



EUROPEAN EDUCATION AND CULTURE EXECUTIVE AGENCY (EACEA)

EACEA.A – Erasmus+, EU Solidarity Corps
A.4 – International Capacity Building

GRANT AGREEMENT

Project 101082928 — SMART-PL

PREAMBLE

This **Agreement** ('the Agreement') is **between** the following parties:

on the one part,

the **European Education and Culture Executive Agency (EACEA)** ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

and

on the other part,

1. 'the coordinator':

TALLINNA TEHNIKAÜLIKOO (TalTech), PIC 999842536, established in Ehitajate tee 5, TALLINN 19086, Estonia,

and the following other beneficiaries, if they sign their 'accession form' (see Annex 3 and Article 40):

2. **KATHOLIEKE UNIVERSITEIT LEUVEN (KU Leuven)**, PIC 999991334, established in OUDE MARKT 13, LEUVEN 3000, Belgium,

3. **POLITECHNIKA WROCLAWSKA (PWR)**, PIC 999845931, established in WYBRZEZE WYSPIANSKIEGO 27, WROCLAW 50-370, Poland,

4. **IVAN FRANKO NATIONAL UNIVERSITY OF LVIV (IFNUL)**, PIC 967410489, established in UNIVERSYTETSKA 1, LVIV 79000, Ukraine,

5. **KRYVORIZKYJ NATIONALNYJ UNIVERSYTET (KRNU)**, PIC 967020452, established in XXII PARTZJ'IZDU STR 11, KRYVYI RIH 50027, Ukraine,

6. **V. N. Karazin Kharkiv National University (KKNU)**, PIC 986260984, established in Svobody sq. 4, Kharkiv 61077, Ukraine,

7. **KHMELNITSKY NATIONAL UNIVERSITY (KHNU)**, PIC 964860456, established in INSTYTUTSKA STREET 11, KHMELNYTSKY 29016, Ukraine,

8. **ODESSA NATIONAL POLYTECHNIC UNIVERSITY (ONPU)**, PIC 984284027, established in SHEVCHENKO AVE 1, ODESSA 65044, Ukraine,

9. INSTITUTE OF HIGHER EDUCATION OF THE NATIONAL ACADEMY OF EDUCATIONAL SCIENCES OF UKRAINE (IHE OF NAESU), PIC 937417507, established in 9 BASTIONNA STR, KYIV 01014, Ukraine,

10. KHERSON STATE UNIVERSITY (KSU), PIC 933283658, established in 40 RICHCHIA ZHOVTNIA STR 27, KHERSON 73000, Ukraine,

11. NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE (NAHEQA), PIC 914340916, established in 5 VOLODYMYR VYNNYCHENKO STREET, KYIV 02222, Ukraine,

Unless otherwise specified, references to ‘beneficiary’ or ‘beneficiaries’ include the coordinator and affiliated entities (if any).

If only one beneficiary signs the grant agreement (‘mono-beneficiary grant’), all provisions referring to the ‘coordinator’ or the ‘beneficiaries’ will be considered — mutatis mutandis — as referring to the beneficiary.

The parties referred to above have agreed to enter into the Agreement.

By signing the Agreement and the accession forms, the beneficiaries accept the grant and agree to implement the action under their own responsibility and in accordance with the Agreement, with all the obligations and terms and conditions it sets out.

The Agreement is composed of:

Preamble

Terms and Conditions (including Data Sheet)

Annex 1 Description of the action¹

Annex 2 Estimated budget for the action

Annex 3 Accession forms (if applicable)²

Annex 3a Declaration on joint and several liability of affiliated entities (if applicable)³

Annex 4 Model for the financial statements

Annex 5 Specific rules (if applicable)

¹ Template published on [Portal Reference Documents](#).

² Template published on [Portal Reference Documents](#).

³ Template published on [Portal Reference Documents](#).

TERMS AND CONDITIONS

TABLE OF CONTENTS

GRANT AGREEMENT.....	1
PREAMBLE.....	1
TERMS AND CONDITIONS.....	3
DATASHEET.....	8
CHAPTER 1 GENERAL.....	13
ARTICLE 1 — SUBJECT OF THE AGREEMENT	13
ARTICLE 2 — DEFINITIONS.....	13
CHAPTER 2 ACTION.....	14
ARTICLE 3 — ACTION.....	14
ARTICLE 4 — DURATION AND STARTING DATE.....	14
CHAPTER 3 GRANT.....	14
ARTICLE 5 — GRANT.....	14
5.1 Form of grant.....	14
5.2 Maximum grant amount.....	15
5.3 Funding rate.....	15
5.4 Estimated budget, budget categories and forms of funding.....	15
5.5 Budget flexibility.....	15
ARTICLE 6 — ELIGIBLE AND INELIGIBLE CONTRIBUTIONS.....	15
6.1 and 6.2 General and specific eligibility conditions.....	15
6.3 Ineligible contributions.....	16
6.4 Consequences of non-compliance.....	16
CHAPTER 4 GRANT IMPLEMENTATION.....	16
SECTION 1 CONSORTIUM: BENEFICIARIES, AFFILIATED ENTITIES AND OTHER PARTICIPANTS.....	16
ARTICLE 7 — BENEFICIARIES.....	16
ARTICLE 8 — AFFILIATED ENTITIES.....	18
ARTICLE 9 — OTHER PARTICIPANTS INVOLVED IN THE ACTION.....	18
9.1 Associated partners.....	18
9.2 Third parties giving in-kind contributions to the action.....	19
9.3 Subcontractors.....	19
9.4 Recipients of financial support to third parties.....	19

ARTICLE 10 — PARTICIPANTS WITH SPECIAL STATUS.....	19
10.1 Non-EU participants.....	20
10.2 Participants which are international organisations.....	20
10.3 Pillar-assessed participants.....	20
SECTION 2 RULES FOR CARRYING OUT THE ACTION.....	23
ARTICLE 11 — PROPER IMPLEMENTATION OF THE ACTION.....	23
11.1 Obligation to properly implement the action.....	23
11.2 Consequences of non-compliance.....	23
ARTICLE 12 — CONFLICT OF INTERESTS.....	23
12.1 Conflict of interests.....	23
12.2 Consequences of non-compliance.....	23
ARTICLE 13 — CONFIDENTIALITY AND SECURITY.....	23
13.1 Sensitive information.....	23
13.2 Classified information.....	24
13.3 Consequences of non-compliance.....	25
ARTICLE 14 — ETHICS AND VALUES.....	25
14.1 Ethics.....	25
14.2 Values.....	25
14.3 Consequences of non-compliance.....	25
ARTICLE 15 — DATA PROTECTION.....	25
15.1 Data processing by the granting authority.....	25
15.2 Data processing by the beneficiaries.....	25
15.3 Consequences of non-compliance.....	26
ARTICLE 16 — INTELLECTUAL PROPERTY RIGHTS (IPR) — BACKGROUND AND RESULTS — ACCESS RIGHTS AND RIGHTS OF USE.....	26
16.1 Background and access rights to background.....	26
16.2 Ownership of results.....	27
16.3 Rights of use of the granting authority on materials, documents and information received for policy, information, communication, dissemination and publicity purposes.....	27
16.4 Specific rules on IPR, results and background.....	28
16.5 Consequences of non-compliance.....	28
ARTICLE 17 — COMMUNICATION, DISSEMINATION AND VISIBILITY.....	28
17.1 Communication — Dissemination — Promoting the action.....	28
17.2 Visibility — European flag and funding statement.....	28
17.3 Quality of information — Disclaimer.....	29
17.4 Specific communication, dissemination and visibility rules.....	29

17.5	Consequences of non-compliance.....	29
ARTICLE 18 — SPECIFIC RULES FOR CARRYING OUT THE ACTION.....		29
18.1	Specific rules for carrying out the action.....	29
18.2	Consequences of non-compliance.....	29
SECTION 3 GRANT ADMINISTRATION.....		30
ARTICLE 19 — GENERAL INFORMATION OBLIGATIONS.....		30
19.1	Information requests.....	30
19.2	Participant Register data updates.....	30
19.3	Information about events and circumstances which impact the action.....	30
19.4	Consequences of non-compliance.....	30
ARTICLE 20 — RECORD-KEEPING.....		31
20.1	Keeping records and supporting documents.....	31
20.2	Consequences of non-compliance.....	31
ARTICLE 21 — REPORTING.....		31
21.1	Continuous reporting.....	31
21.2	Periodic reporting: Technical reports and financial statements.....	31
21.3	Currency for financial statements and conversion into euros.....	32
21.4	Reporting language.....	32
21.5	Consequences of non-compliance.....	32
ARTICLE 22 — PAYMENTS AND RECOVERIES — CALCULATION OF AMOUNTS DUE.....		33
22.1	Payments and payment arrangements.....	33
22.2	Recoveries.....	33
22.3	Amounts due.....	33
22.4	Enforced recovery.....	38
22.5	Consequences of non-compliance.....	39
ARTICLE 23 — GUARANTEES.....		39
23.1	Prefinancing guarantee.....	39
23.2	Consequences of non-compliance.....	40
ARTICLE 24 — CERTIFICATES.....		40
ARTICLE 25 — CHECKS, REVIEWS, AUDITS AND INVESTIGATIONS — EXTENSION OF FINDINGS.....		40
25.1	Granting authority checks, reviews and audits.....	40
25.2	European Commission checks, reviews and audits in grants of other granting authorities.....	41
25.3	Access to records for assessing simplified forms of funding.....	42
25.4	OLAF, EPPO and ECA audits and investigations.....	42

25.5	Consequences of checks, reviews, audits and investigations — Extension of findings.....	42
25.6	Consequences of non-compliance.....	43
ARTICLE 26 — IMPACT EVALUATIONS.....		44
26.1	Impact evaluation.....	44
26.2	Consequences of non-compliance.....	44
CHAPTER 5 CONSEQUENCES OF NON-COMPLIANCE.....		44
SECTION 1 REJECTIONS AND GRANT REDUCTION.....		44
ARTICLE 27 — REJECTION OF CONTRIBUTIONS.....		44
27.1	Conditions.....	44
27.2	Procedure.....	44
27.3	Effects.....	44
ARTICLE 28 — GRANT REDUCTION.....		45
28.1	Conditions.....	45
28.2	Procedure.....	45
28.3	Effects.....	45
SECTION 2 SUSPENSION AND TERMINATION.....		45
ARTICLE 29 — PAYMENT DEADLINE SUSPENSION.....		45
29.1	Conditions.....	46
29.2	Procedure.....	46
ARTICLE 30 — PAYMENT SUSPENSION.....		46
30.1	Conditions.....	46
30.2	Procedure.....	47
ARTICLE 31 — GRANT AGREEMENT SUSPENSION.....		47
31.1	Consortium-requested GA suspension.....	47
31.2	EU-initiated GA suspension.....	48
ARTICLE 32 — GRANT AGREEMENT OR BENEFICIARY TERMINATION.....		49
32.1	Consortium-requested GA termination.....	49
32.2	Consortium-requested beneficiary termination.....	50
32.3	EU-initiated GA or beneficiary termination.....	51
SECTION 3 OTHER CONSEQUENCES: DAMAGES AND ADMINISTRATIVE SANCTIONS.....		54
ARTICLE 33 — DAMAGES.....		54
33.1	Liability of the granting authority.....	54
33.2	Liability of the beneficiaries.....	54
ARTICLE 34 — ADMINISTRATIVE SANCTIONS AND OTHER MEASURES.....		55
SECTION 4 FORCE MAJEURE.....		55

ARTICLE 35 — FORCE MAJEURE.....	55
CHAPTER 6 FINAL PROVISIONS.....	55
ARTICLE 36 — COMMUNICATION BETWEEN THE PARTIES.....	55
36.1 Forms and means of communication — Electronic management.....	55
36.2 Date of communication.....	56
36.3 Addresses for communication.....	56
ARTICLE 37 — INTERPRETATION OF THE AGREEMENT.....	56
ARTICLE 38 — CALCULATION OF PERIODS AND DEADLINES.....	56
ARTICLE 39 — AMENDMENTS.....	57
39.1 Conditions.....	57
39.2 Procedure.....	57
ARTICLE 40 — ACCESSION AND ADDITION OF NEW BENEFICIARIES.....	57
40.1 Accession of the beneficiaries mentioned in the Preamble.....	57
40.2 Addition of new beneficiaries.....	58
ARTICLE 41 — TRANSFER OF THE AGREEMENT.....	58
ARTICLE 42 — ASSIGNMENTS OF CLAIMS FOR PAYMENT AGAINST THE GRANTING AUTHORITY.....	58
ARTICLE 43 — APPLICABLE LAW AND SETTLEMENT OF DISPUTES.....	59
43.1 Applicable law.....	59
43.2 Dispute settlement.....	59
ARTICLE 44 — ENTRY INTO FORCE.....	59

DATA SHEET

1. General data

Project summary:

Project summary
<p>SMART-PL is a 3-year project, focused on introducing a model of personalised learning, based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits". Intellectual tutoring is a set of learning tools: SMART online platform for virtual personalised learning and formative student assessment; co-working centre with equipment for organising hybrid learning, which increases the educational process's efficiency and gives both teachers and students more opportunities. "Learning with No Limits" means that all students are welcomed - regardless of age, personality, socioeconomic status, or educational needs, regardless of the opportunity to be present in the audience or not. The project is divided into 7 WPs which are linked to promoting the cooperation of partners to implement the European experience of personalised learning; improving educational programs of universities; increasing transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their professional expertise and forming their confidence to achieve efficient results; to improve the quality of teaching materials; to facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels); to create extra opportunities to get higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalised learning and hybrid technologies. The fundamental principle of the project is a personalised approach aimed at forming a highly qualified competitive specialist who can conduct innovative activities and has the skills of continuous professional development. The personalised approach is characterised by innovative teaching methods, designed to encourage collaboration between students and teachers, emphasising the central role of students in controlling their learning.</p>

Keywords:

- Innovation in learning, teaching and assessment practices supported by digital technologies

Project number: 101082928

Project name: Students' Personalised Learning Model, Based on the Virtual Learning Environment of Intellectual Tutoring "Learning with No Limits"

Project acronym: SMART-PL

Call: ERASMUS-EDU-2022-CBHE

Topic: ERASMUS-EDU-2022-CBHE-STRAND-2

Type of action: ERASMUS Lump Sum Grants

Granting authority: European Education and Culture Executive Agency

Grant managed through EU Funding & Tenders Portal: Yes (eGrants)

Project starting date: fixed date: 1 January 2023

Project end date: 31 December 2025

Project duration: 36 months

Consortium agreement: Yes

2. Participants

List of participants:

N°	Role	Short name	Legal name	Ctry	PIC	Max grant amount
1	COO	TalTech	TALLINNA TEHNIKAÜLIKOOL	EE	999842536	80 950.00
2	BEN	KU Leuven	KATHOLIEKE UNIVERSITEIT LEUVEN	BE	999991334	66 277.00
3	BEN	PWR	POLITECHNIKA WROCLAWSKA	PL	999845931	42 438.00
4	BEN	IFNUL	IVAN FRANKO NATIONAL UNIVERSITY OF LVIV	UA	967410489	69 206.00

N°	Role	Short name	Legal name	Ctry	PIC	Max grant amount
5	BEN	KRNU	KRYVORIZKYJ NATIONALNYJ UNIVERSYTET	UA	967020452	72 284.00
6	BEN	KKNU	V. N. Karazin Kharkiv National University	UA	986260984	73 536.00
7	BEN	KHNU	KHMELNITSKY NATIONAL UNIVERSITY	UA	964860456	79 271.00
8	BEN	ONPU	ODESSA NATIONAL POLYTECHNIC UNIVERSITY	UA	984284027	69 860.00
9	BEN	IHE OF NAESU	INSTITUTE OF HIGHER EDUCATION OF THE NATIONAL ACADEMY OF EDUCATIONAL SCIENCES OF UKRAINE	UA	937417507	39 630.00
10	BEN	KSU	KHERSON STATE UNIVERSITY	UA	933283658	72 000.00
11	BEN	NAHEQA	NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE	UA	914340916	12 818.00
12	AP	UKRSEITSOC	PUBLIC ORGANIZATION "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	UA	897162701	0.00
13	AP	FFUTURE	Kryvyi Rih Foundation of the Future	UA	887461634	0.00
Total						678 270.00

Coordinator:

– TALLINNA TEHNIKAÜLIKOOL (TalTech)

3. Grant**Maximum grant amount, total estimated eligible costs and contributions and funding rate:**

Maximum grant amount (Annex 2)	Maximum grant amount (award decision)
678 270.00	678 270.00

Grant form: Lump Sum

Grant mode: Action grant

Budget categories/activity types: Lump sum contributions

Cost eligibility options: n/a

Budget flexibility: No

4. Reporting, payments and recoveries**4.1 Continuous reporting** (art 21)

Deliverables: see Funding & Tenders Portal Continuous Reporting tool

4.2 Periodic reporting and payments

Reporting and payment schedule (art 21, 22):

Reporting					Payments	
Reporting periods			Type	Deadline	Type	Deadline (time to pay)
RP No	Month from	Month to				
					Initial prefinancing	30 days from entry into force/ financial guarantee (if required) – whichever is the latest
1	1	18	Additional prefinancing report	60 days after end of reporting period	Additional prefinancing	60 days from receiving additional prefinancing report/ financial guarantee (if required) – whichever is the latest
2	19	36	Periodic report	60 days after end of reporting period	Final payment	90 days from receiving periodic report

Prefinancing payments and guarantees:

Prefinancing payment		Prefinancing guarantee		
Type	Amount	Guarantee amount	Division per participant	
Prefinancing 1 (initial)	474 789.00	n/a	1 - TalTech	n/a
			2 - KU Leuven	n/a
			3 - PWR	n/a
			4 - IFNUL	n/a
			5 - KRNU	n/a
			6 - KKNU	n/a
			7 - KHNU	n/a
			8 - ONPU	n/a
			9 - IHE OF NAESU	n/a
			10 - KSU	n/a
			11 - NAHEQA	n/a
Prefinancing 2 (additional)	135 654.00	n/a	1 - TalTech	n/a
			2 - KU Leuven	n/a
			3 - PWR	n/a
			4 - IFNUL	n/a
			5 - KRNU	n/a
			6 - KKNU	n/a
			7 - KHNU	n/a
			8 - ONPU	n/a
			9 - IHE OF NAESU	n/a
			10 - KSU	n/a
			11 - NAHEQA	n/a

Reporting and payment modalities (art 21, 22):

Mutual Insurance Mechanism (MIM): No

Restrictions on distribution of initial prefinancing: The prefinancing may be distributed only if the minimum number of beneficiaries set out in the call conditions (if any) have acceded to the Agreement and only to beneficiaries that have acceded.

Interim payment ceiling (if any): 100% of the maximum grant amount

No-profit rule: n/a

Late payment interest: ECB + 3.5%

Bank account for payments:

EE201010052037382001

Conversion into euros: n/a

Reporting language: Language of the Agreement

4.3 Certificates (art 24): n/a

4.4 Recoveries (art 22)

First-line liability for recoveries:

Beneficiary termination: Beneficiary concerned

Final payment: Coordinator

After final payment: Beneficiary concerned

Joint and several liability for enforced recoveries (in case of non-payment):

Limited joint and several liability of other beneficiaries — up to the maximum grant amount of the beneficiary

Joint and several liability of affiliated entities — n/a

5. Consequences of non-compliance, applicable law & dispute settlement forum

Applicable law (art 43):

Standard applicable law regime: EU law + law of Belgium

Dispute settlement forum (art 43):

Standard dispute settlement forum:

EU beneficiaries: EU General Court + EU Court of Justice (on appeal)

Non-EU beneficiaries: Courts of Brussels, Belgium (unless an international agreement provides for the enforceability of EU court judgements)

6. Other

Specific rules (Annex 5): Yes

Standard time-limits after project end:

Confidentiality (for X years after final payment): 5

Record-keeping (for X years after final payment): 5 (or 3 for grants of not more than EUR 60 000)

Reviews (up to X years after final payment): 5 (or 3 for grants of not more than EUR 60 000)

Audits (up to X years after final payment): 5 (or 3 for grants of not more than EUR 60 000)

Extension of findings from other grants to this grant (no later than X years after final payment): 5 (or 3 for grants of not more than EUR 60 000)

Impact evaluation (up to X years after final payment): 5 (or 3 for grants of not more than EUR 60 000)

CHAPTER 1 GENERAL

ARTICLE 1 — SUBJECT OF THE AGREEMENT

This Agreement sets out the rights and obligations and terms and conditions applicable to the grant awarded for the implementation of the action set out in Chapter 2.

ARTICLE 2 — DEFINITIONS

For the purpose of this Agreement, the following definitions apply:

Actions — The project which is being funded in the context of this Agreement.

Grant — The grant awarded in the context of this Agreement.

EU grants — Grants awarded by EU institutions, bodies, offices or agencies (including EU executive agencies, EU regulatory agencies, EDA, joint undertakings, etc.).

Participants — Entities participating in the action as beneficiaries, affiliated entities, associated partners, third parties giving in-kind contributions, subcontractors or recipients of financial support to third parties.

Beneficiaries (BEN) — The signatories of this Agreement (either directly or through an accession form).

Affiliated entities (AE) — Entities affiliated to a beneficiary within the meaning of Article 187 of EU Financial Regulation 2018/1046⁴ which participate in the action with similar rights and obligations as the beneficiaries (obligation to implement action tasks and right to charge costs and claim contributions).

Associated partners (AP) — Entities which participate in the action, but without the right to charge costs or claim contributions.

Purchases — Contracts for goods, works or services needed to carry out the action (e.g. equipment, consumables and supplies) but which are not part of the action tasks (see Annex 1).

Subcontracting — Contracts for goods, works or services that are part of the action tasks (see Annex 1).

In-kind contributions — In-kind contributions within the meaning of Article 2(36) of EU Financial

⁴ For the definition, see Article 187 Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council of 18 July 2018 on the financial rules applicable to the general budget of the Union, amending Regulations (EU) No 1296/2013, (EU) No 1301/2013, (EU) No 1303/2013, (EU) No 1304/2013, (EU) No 1309/2013, (EU) No 1316/2013, (EU) No 223/2014, (EU) No 283/2014, and Decision No 541/2014/EU and repealing Regulation (EU, Euratom) No 966/2012 ('EU Financial Regulation') (OJ L 193, 30.7.2018, p. 1): "**affiliated entities** [are]:

- (a) entities that form a sole beneficiary [(i.e. where an entity is formed of several entities that satisfy the criteria for being awarded a grant, including where the entity is specifically established for the purpose of implementing an action to be financed by a grant)];
- (b) entities that satisfy the eligibility criteria and that do not fall within one of the situations referred to in Article 136(1) and 141(1) and that have a link with the beneficiary, in particular a legal or capital link, which is neither limited to the action nor established for the sole purpose of its implementation".

Regulation 2018/1046, i.e. non-financial resources made available free of charge by third parties.

Fraud — Fraud within the meaning of Article 3 of EU Directive 2017/1371⁵ and Article 1 of the Convention on the protection of the European Communities' financial interests, drawn up by the Council Act of 26 July 1995⁶, as well as any other wrongful or criminal deception intended to result in financial or personal gain.

Irregularities — Any type of breach (regulatory or contractual) which could impact the EU financial interests, including irregularities within the meaning of Article 1(2) of EU Regulation 2988/95⁷.

Grave professional misconduct — Any type of unacceptable or improper behaviour in exercising one's profession, especially by employees, including grave professional misconduct within the meaning of Article 136(1)(c) of EU Financial Regulation 2018/1046.

Applicable EU, international and national law — Any legal acts or other (binding or non-binding) rules and guidance in the area concerned.

Portal — EU Funding & Tenders Portal; electronic portal and exchange system managed by the European Commission and used by itself and other EU institutions, bodies, offices or agencies for the management of their funding programmes (grants, procurements, prizes, etc.).

CHAPTER 2 ACTION

ARTICLE 3 — ACTION

The grant is awarded for the action **101082928 — SMART-PL** ('action'), as described in Annex 1.

ARTICLE 4 — DURATION AND STARTING DATE

The duration and the starting date of the action are set out in the Data Sheet (see Point 1).

CHAPTER 3 GRANT

ARTICLE 5 — GRANT

5.1 Form of grant

⁵ Directive (EU) 2017/1371 of the European Parliament and of the Council of 5 July 2017 on the fight against fraud to the Union's financial interests by means of criminal law (OJ L 198, 28.7.2017, p. 29).

⁶ OJ C 316, 27.11.1995, p. 48.

⁷ Council Regulation (EC, Euratom) No 2988/95 of 18 December 1995 on the protection of the European Communities financial interests (OJ L 312, 23.12.1995, p. 1).

The grant is an action grant⁸ which takes the form of a lump sum grant for the completion of work packages.

5.2 Maximum grant amount

The maximum grant amount is set out in the Data Sheet (see Point 3) and in the estimated budget (Annex 2).

5.3 Funding rate

Not applicable

5.4 Estimated budget, budget categories and forms of funding

The estimated budget for the action (lump sum breakdown) is set out in Annex 2.

It contains the estimated eligible contributions for the action (lump sum contributions), broken down by participant and work package.

Annex 2 also shows the types of contributions (forms of funding)⁹ to be used for each work package.

5.5 Budget flexibility

Budget flexibility does not apply; changes to the estimated budget (lump sum breakdown) always require an amendment (see Article 39).

Amendments for transfers between *work packages* are moreover possible only if:

- the work packages concerned are not already completed (and declared in a financial statement) and
- the transfers are justified by the technical implementation of the action.

ARTICLE 6 — ELIGIBLE AND INELIGIBLE CONTRIBUTIONS

6.1 and 6.2 General and specific eligibility conditions

Lump sum contributions are eligible ('eligible contributions'), if:

- (a) they are set out in Annex 2 and
- (b) the work packages are completed and the work is properly implemented by the beneficiaries and/or the results are achieved, in accordance with Annex 1 and during in the period set out in Article 4 (with the exception of work/results relating to the submission of the final periodic report, which may be achieved afterwards; see Article 21)

They will be calculated on the basis of the amounts set out in Annex 2.

⁸ For the definition, see Article 180(2)(a) EU Financial Regulation 2018/1046: '**action grant**' means an EU grant to finance "an action intended to help achieve a Union policy objective".

⁹ See Article 125 EU Financial Regulation 2018/1046.

6.3 Ineligible contributions

‘Ineligible contributions’ are:

- (a) lump sum contributions that do not comply with the conditions set out above (see Article 6.1 and 6.2)
- (b) lump sum contributions for activities already funded under other EU grants (or grants awarded by an EU Member State, non-EU country or other body implementing the EU budget), except for the following case:
 - (i) Synergy actions: not applicable
- (c) other:
 - (i) country restrictions for eligible costs: not applicable.

6.4 Consequences of non-compliance

If a beneficiary declares lump sum contributions that are ineligible, they will be rejected (see Article 27).

This may also lead to other measures described in Chapter 5.

CHAPTER 4 GRANT IMPLEMENTATION

SECTION 1 CONSORTIUM: BENEFICIARIES, AFFILIATED ENTITIES AND OTHER PARTICIPANTS

ARTICLE 7 — BENEFICIARIES

The beneficiaries, as signatories of the Agreement, are fully responsible towards the granting authority for implementing it and for complying with all its obligations.

They must implement the Agreement to their best abilities, in good faith and in accordance with all the obligations and terms and conditions it sets out.

They must have the appropriate resources to implement the action and implement the action under their own responsibility and in accordance with Article 11. If they rely on affiliated entities or other participants (see Articles 8 and 9), they retain sole responsibility towards the granting authority and the other beneficiaries.

They are jointly responsible for the *technical* implementation of the action. If one of the beneficiaries fails to implement their part of the action, the other beneficiaries must ensure that this part is implemented by someone else (without being entitled to an increase of the maximum grant amount and subject to an amendment; see Article 39). The *financial* responsibility of each beneficiary in case of recoveries is governed by Article 22.

The beneficiaries (and their action) must remain eligible under the EU programme funding the grant

for the entire duration of the action. Lump sum contributions will be eligible only as long as the beneficiary and the action are eligible.

The **internal roles and responsibilities** of the beneficiaries are divided as follows:

(a) Each beneficiary must:

- (i) keep information stored in the Portal Participant Register up to date (see Article 19)
- (ii) inform the granting authority (and the other beneficiaries) immediately of any events or circumstances likely to affect significantly or delay the implementation of the action (see Article 19)
- (iii) submit to the coordinator in good time:
 - the prefinancing guarantees (if required; see Article 23)
 - the financial statements and certificates on the financial statements (CFS): not applicable
 - the contribution to the deliverables and technical reports (see Article 21)
 - any other documents or information required by the granting authority under the Agreement
- (iv) submit via the Portal data and information related to the participation of their affiliated entities.

(b) The coordinator must:

- (i) monitor that the action is implemented properly (see Article 11)
- (ii) act as the intermediary for all communications between the consortium and the granting authority, unless the Agreement or granting authority specifies otherwise, and in particular:
 - submit the prefinancing guarantees to the granting authority (if any)
 - request and review any documents or information required and verify their quality and completeness before passing them on to the granting authority
 - submit the deliverables and reports to the granting authority
 - inform the granting authority about the payments made to the other beneficiaries (report on the distribution of payments; if required, see Articles 22 and 32)
- (iii) distribute the payments received from the granting authority to the other beneficiaries without unjustified delay (see Article 22).

The coordinator may not delegate or subcontract the above-mentioned tasks to any other beneficiary or third party (including affiliated entities).

However, coordinators which are public bodies may delegate the tasks set out in Point (b)(ii) last

indent and (iii) above to entities with ‘authorisation to administer’ which they have created or which are controlled by or affiliated to them. In this case, the coordinator retains sole responsibility for the payments and for compliance with the obligations under the Agreement.

Moreover, coordinators which are ‘sole beneficiaries’¹⁰ (or similar, such as European research infrastructure consortia (ERICs)) may delegate the tasks set out in Point (b)(i) to (iii) above to one of their members. The coordinator retains sole responsibility for compliance with the obligations under the Agreement.

The beneficiaries must have **internal arrangements** regarding their operation and co-ordination, to ensure that the action is implemented properly.

If required by the granting authority (see Data Sheet, Point 1), these arrangements must be set out in a written **consortium agreement** between the beneficiaries, covering for instance:

- the internal organisation of the consortium
- the management of access to the Portal
- different distribution keys for the payments and financial responsibilities in case of recoveries (if any)
- additional rules on rights and obligations related to background and results (see Article 16)
- settlement of internal disputes
- liability, indemnification and confidentiality arrangements between the beneficiaries.

The internal arrangements must not contain any provision contrary to this Agreement.

ARTICLE 8 — AFFILIATED ENTITIES

Not applicable

ARTICLE 9 — OTHER PARTICIPANTS INVOLVED IN THE ACTION

9.1 Associated partners

The following entities which cooperate with a beneficiary will participate in the action as ‘associated partners’:

- **PUBLIC ORGANIZATION "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" (UKRSEITSOC)**, PIC 897162701
- **Kryvyi Rih Foundation of the Future (FFUTURE)**, PIC 887461634

Associated partners must implement the action tasks attributed to them in Annex 1 in accordance with

¹⁰ For the definition, see Article 187(2) EU Financial Regulation 2018/1046: “Where several entities satisfy the criteria for being awarded a grant and together form one entity, that entity may be treated as the **sole beneficiary**, including where it is specifically established for the purpose of implementing the action financed by the grant.”

Article 11. They may not charge contributions to the action (no lump sum contributions) and the costs for their tasks are not eligible (may not be included in the estimated budget in Annex 2).

The tasks must be set out in Annex 1.

The beneficiaries must ensure that their contractual obligations under Articles 11 (proper implementation), 12 (conflict of interests), 13 (confidentiality and security), 14 (ethics), 17.2 (visibility), 18 (specific rules for carrying out action), 19 (information) and 20 (record-keeping) also apply to the associated partners.

The beneficiaries must ensure that the bodies mentioned in Article 25 (e.g. granting authority, OLAF, Court of Auditors (ECA), etc.) can exercise their rights also towards the associated partners.

9.2 Third parties giving in-kind contributions to the action

Other third parties may give in-kind contributions to the action (i.e. personnel, equipment, other goods, works and services, etc. which are free-of-charge), if necessary for the implementation.

Third parties giving in-kind contributions do not implement any action tasks. They may not charge contributions to the action (no lump sum contributions) and the costs for the in-kind contributions are not eligible (may not be included in the estimated budget in Annex 2).

The third parties and their in-kind contributions should be set out in Annex 1.

9.3 Subcontractors

Subcontractors may participate in the action, if necessary for the implementation.

Subcontractors must implement their action tasks in accordance with Article 11. The beneficiaries' costs for subcontracting are considered entirely covered by the lump sum contributions for implementing the work packages (irrespective of the actual subcontracting costs incurred, if any).

The beneficiaries must ensure that their contractual obligations under Articles 11 (proper implementation), 12 (conflict of interest), 13 (confidentiality and security), 14 (ethics), 17.2 (visibility), 18 (specific rules for carrying out action), 19 (information) and 20 (record-keeping) also apply to the subcontractors.

The beneficiaries must ensure that the bodies mentioned in Article 25 (e.g. granting authority, OLAF, Court of Auditors (ECA), etc.) can exercise their rights also towards the subcontractors.

9.4 Recipients of financial support to third parties

If the action includes providing financial support to third parties (e.g. grants, prizes or similar forms of support), the beneficiaries must ensure that their contractual obligations under Articles 12 (conflict of interest), 13 (confidentiality and security), 14 (ethics), 17.2 (visibility), 18 (specific rules for carrying out action), 19 (information) and 20 (record-keeping) also apply to the third parties receiving the support (recipients).

The beneficiaries must also ensure that the bodies mentioned in Article 25 (e.g. granting authority, OLAF, Court of Auditors (ECA), etc.) can exercise their rights also towards the recipients.

ARTICLE 10 — PARTICIPANTS WITH SPECIAL STATUS

10.1 Non-EU participants

Participants which are established in a non-EU country (if any) undertake to comply with their obligations under the Agreement and:

- to respect general principles (including fundamental rights, values and ethical principles, environmental and labour standards, rules on classified information, intellectual property rights, visibility of funding and protection of personal data)
- for the submission of certificates under Article 24: use qualified external auditors which are independent and comply with comparable standards as those set out in EU Directive 2006/43/EC¹¹
- for the controls under Article 25: allow for checks, reviews, audits and investigations (including on-the-spot checks, visits and inspections) by the bodies mentioned in that Article (e.g. granting authority, OLAF, Court of Auditors (ECA), etc.).

Special rules on dispute settlement apply (see Data Sheet, Point 5).

10.2 Participants which are international organisations

Participants which are international organisations (IOs; if any) undertake to comply with their obligations under the Agreement and:

- to respect general principles (including fundamental rights, values and ethical principles, environmental and labour standards, rules on classified information, intellectual property rights, visibility of funding and protection of personal data)
- for the submission of certificates under Article 24: to use either independent public officers or external auditors which comply with comparable standards as those set out in EU Directive 2006/43/EC
- for the controls under Article 25: to allow for the checks, reviews, audits and investigations by the bodies mentioned in that Article, taking into account the specific agreements concluded by them and the EU (if any).

For such participants, nothing in the Agreement will be interpreted as a waiver of their privileges or immunities, as accorded by their constituent documents or international law.

Special rules on applicable law and dispute settlement apply (see Article 43 and Data Sheet, Point 5).

10.3 Pillar-assessed participants

Pillar-assessed participants (if any) may rely on their own systems, rules and procedures, in so far as they have been positively assessed and do not call into question the decision awarding the grant or breach the principle of equal treatment of applicants or beneficiaries.

‘Pillar-assessment’ means a review by the European Commission on the systems, rules and procedures which participants use for managing EU grants (in particular internal control system, accounting

¹¹ Directive 2006/43/EC of the European Parliament and of the Council of 17 May 2006 on statutory audits of annual accounts and consolidated accounts or similar national regulations (OJ L 157, 9.6.2006, p. 87).

system, external audits, financing of third parties, rules on recovery and exclusion, information on recipients and protection of personal data; see Article 154 EU Financial Regulation 2018/1046).

Participants with a positive pillar assessment may rely on their own systems, rules and procedures, in particular for:

- record-keeping (Article 20): may be done in accordance with internal standards, rules and procedures
- currency conversion for financial statements (Article 21): may be done in accordance with usual accounting practices
- guarantees (Article 23): for public law bodies, prefinancing guarantees are not needed
- certificates (Article 24):
 - certificates on the financial statements (CFS): may be provided by their regular internal or external auditors and in accordance with their internal financial regulations and procedures
 - certificates on usual accounting practices (CoMUC): are not needed if those practices are covered by an ex-ante assessment

and use the following specific rules, for:

- recoveries (Article 22): in case of financial support to third parties, there will be no recovery if the participant has done everything possible to retrieve the undue amounts from the third party receiving the support (including legal proceedings) and non-recovery is not due to an error or negligence on its part
- checks, reviews, audits and investigations by the EU (Article 25): will be conducted taking into account the rules and procedures specifically agreed between them and the framework agreement (if any)
- impact evaluation (Article 26): will be conducted in accordance with the participant's internal rules and procedures and the framework agreement (if any)
- grant agreement suspension (Article 31): certain costs incurred during grant suspension are eligible (notably, minimum costs necessary for a possible resumption of the action and costs relating to contracts which were entered into before the pre-information letter was received and which could not reasonably be suspended, reallocated or terminated on legal grounds)
- grant agreement termination (Article 32): the final grant amount and final payment will be calculated taking into account also costs relating to contracts due for execution only after termination takes effect, if the contract was entered into before the pre-information letter was received and could not reasonably be terminated on legal grounds
- liability for damages (Article 33.2): the granting authority must be compensated for damage it sustains as a result of the implementation of the action or because the action was not implemented in full compliance with the Agreement only if the damage is due to an infringement of the participant's internal rules and procedures or due to a violation of third

parties' rights by the participant or one of its employees or individual for whom the employees are responsible.

Participants whose pillar assessment covers procurement and granting procedures may also do purchases, subcontracting and financial support to third parties (Article 6.2) in accordance with their internal rules and procedures for purchases, subcontracting and financial support.

Participants whose pillar assessment covers data protection rules may rely on their internal standards, rules and procedures for data protection (Article 15).

The participants may however not rely on provisions which would breach the principle of equal treatment of applicants or beneficiaries or call into question the decision awarding the grant, such as in particular:

- eligibility (Article 6)
- consortium roles and set-up (Articles 7-9)
- security and ethics (Articles 13, 14)
- IPR (including background and results, access rights and rights of use), communication, dissemination and visibility (Articles 16 and 17)
- information obligation (Article 19)
- payment, reporting and amendments (Articles 21, 22 and 39)
- rejections, reductions, suspensions and terminations (Articles 27, 28, 29-32)

If the pillar assessment was subject to remedial measures, reliance on the internal systems, rules and procedures is subject to compliance with those remedial measures.

Participants whose assessment has not yet been updated to cover (the new rules on) data protection may rely on their internal systems, rules and procedures, provided that they ensure that personal data is:

- processed lawfully, fairly and in a transparent manner in relation to the data subject
- collected for specified, explicit and legitimate purposes and not further processed in a manner that is incompatible with those purposes
- adequate, relevant and limited to what is necessary in relation to the purposes for which they are processed
- accurate and, where necessary, kept up to date
- kept in a form which permits identification of data subjects for no longer than is necessary for the purposes for which the data is processed and
- processed in a manner that ensures appropriate security of the personal data.

Participants must inform the coordinator without delay of any changes to the systems, rules and procedures that were part of the pillar assessment. The coordinator must immediately inform the granting authority.

Pillar-assessed participants that have also concluded a framework agreement with the EU, may moreover — under the same conditions as those above (i.e. not call into question the decision awarding the grant or breach the principle of equal treatment of applicants or beneficiaries) — rely on provisions set out in that framework agreement.

SECTION 2 RULES FOR CARRYING OUT THE ACTION

ARTICLE 11 — PROPER IMPLEMENTATION OF THE ACTION

11.1 Obligation to properly implement the action

The beneficiaries must implement the action as described in Annex 1 and in compliance with the provisions of the Agreement, the call conditions and all legal obligations under applicable EU, international and national law.

11.2 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 12 — CONFLICT OF INTERESTS

12.1 Conflict of interests

The beneficiaries must take all measures to prevent any situation where the impartial and objective implementation of the Agreement could be compromised for reasons involving family, emotional life, political or national affinity, economic interest or any other direct or indirect interest (‘conflict of interests’).

They must formally notify the granting authority without delay of any situation constituting or likely to lead to a conflict of interests and immediately take all the necessary steps to rectify this situation.

The granting authority may verify that the measures taken are appropriate and may require additional measures to be taken by a specified deadline.

12.2 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28) and the grant or the beneficiary may be terminated (see Article 32).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 13 — CONFIDENTIALITY AND SECURITY

13.1 Sensitive information

The parties must keep confidential any data, documents or other material (in any form) that is identified

as sensitive in writing ('sensitive information') — during the implementation of the action and for at least until the time-limit set out in the Data Sheet (see Point 6).

If a beneficiary requests, the granting authority may agree to keep such information confidential for a longer period.

Unless otherwise agreed between the parties, they may use sensitive information only to implement the Agreement.

The beneficiaries may disclose sensitive information to their personnel or other participants involved in the action only if they:

- (a) need to know it in order to implement the Agreement and
- (b) are bound by an obligation of confidentiality.

The granting authority may disclose sensitive information to its staff and to other EU institutions and bodies.

It may moreover disclose sensitive information to third parties, if:

- (a) this is necessary to implement the Agreement or safeguard the EU financial interests and
- (b) the recipients of the information are bound by an obligation of confidentiality.

The confidentiality obligations no longer apply if:

- (a) the disclosing party agrees to release the other party
- (b) the information becomes publicly available, without breaching any confidentiality obligation
- (c) the disclosure of the sensitive information is required by EU, international or national law.

Specific confidentiality rules (if any) are set out in Annex 5.

13.2 Classified information

The parties must handle classified information in accordance with the applicable EU, international or national law on classified information (in particular, Decision 2015/444¹² and its implementing rules).

Deliverables which contain classified information must be submitted according to special procedures agreed with the granting authority.

Action tasks involving classified information may be subcontracted only after explicit approval (in writing) from the granting authority.

Classified information may not be disclosed to any third party (including participants involved in the action implementation) without prior explicit written approval from the granting authority.

Specific security rules (if any) are set out in Annex 5.

¹² Commission Decision 2015/444/EC, Euratom of 13 March 2015 on the security rules for protecting EU classified information (OJ L 72, 17.3.2015, p. 53).

13.3 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 14 — ETHICS AND VALUES

14.1 Ethics

The action must be carried out in line with the highest ethical standards and the applicable EU, international and national law on ethical principles.

Specific ethics rules (if any) are set out in Annex 5.

14.2 Values

The beneficiaries must commit to and ensure the respect of basic EU values (such as respect for human dignity, freedom, democracy, equality, the rule of law and human rights, including the rights of minorities).

Specific rules on values (if any) are set out in Annex 5.

14.3 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 15 — DATA PROTECTION

15.1 Data processing by the granting authority

Any personal data under the Agreement will be processed under the responsibility of the data controller of the granting authority in accordance with and for the purposes set out in the Portal Privacy Statement.

For grants where the granting authority is the European Commission, an EU regulatory or executive agency, joint undertaking or other EU body, the processing will be subject to Regulation 2018/1725¹³.

15.2 Data processing by the beneficiaries

The beneficiaries must process personal data under the Agreement in compliance with the applicable EU, international and national law on data protection (in particular, Regulation 2016/679¹⁴).

¹³ Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data, and repealing Regulation (EC) No 45/2001 and Decision No 1247/2002/EC (OJ L 295, 21.11.2018, p. 39).

¹⁴ Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural

They must ensure that personal data is:

- processed lawfully, fairly and in a transparent manner in relation to the data subjects
- collected for specified, explicit and legitimate purposes and not further processed in a manner that is incompatible with those purposes
- adequate, relevant and limited to what is necessary in relation to the purposes for which they are processed
- accurate and, where necessary, kept up to date
- kept in a form which permits identification of data subjects for no longer than is necessary for the purposes for which the data is processed and
- processed in a manner that ensures appropriate security of the data.

The beneficiaries may grant their personnel access to personal data only if it is strictly necessary for implementing, managing and monitoring the Agreement. The beneficiaries must ensure that the personnel is under a confidentiality obligation.

The beneficiaries must inform the persons whose data are transferred to the granting authority and provide them with the Portal Privacy Statement.

15.3 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 16 — INTELLECTUAL PROPERTY RIGHTS (IPR) — BACKGROUND AND RESULTS — ACCESS RIGHTS AND RIGHTS OF USE

16.1 Background and access rights to background

The beneficiaries must give each other and the other participants access to the background identified as needed for implementing the action, subject to any specific rules in Annex 5.

‘Background’ means any data, know-how or information — whatever its form or nature (tangible or intangible), including any rights such as intellectual property rights — that is:

- (a) held by the beneficiaries before they acceded to the Agreement and
- (b) needed to implement the action or exploit the results.

If background is subject to rights of a third party, the beneficiary concerned must ensure that it is able to comply with its obligations under the Agreement.

persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (‘GDPR’) (OJ L 119, 4.5.2016, p. 1).

16.2 Ownership of results

The granting authority does not obtain ownership of the results produced under the action.

‘Results’ means any tangible or intangible effect of the action, such as data, know-how or information, whatever its form or nature, whether or not it can be protected, as well as any rights attached to it, including intellectual property rights.

16.3 Rights of use of the granting authority on materials, documents and information received for policy, information, communication, dissemination and publicity purposes

The granting authority has the right to use non-sensitive information relating to the action and materials and documents received from the beneficiaries (notably summaries for publication, deliverables, as well as any other material, such as pictures or audio-visual material, in paper or electronic form) for policy information, communication, dissemination and publicity purposes — during the action or afterwards.

The right to use the beneficiaries’ materials, documents and information is granted in the form of a royalty-free, non-exclusive and irrevocable licence, which includes the following rights:

- (a) **use for its own purposes** (in particular, making them available to persons working for the granting authority or any other EU service (including institutions, bodies, offices, agencies, etc.) or EU Member State institution or body; copying or reproducing them in whole or in part, in unlimited numbers; and communication through press information services)
- (b) **distribution to the public** (in particular, publication as hard copies and in electronic or digital format, publication on the internet, as a downloadable or non-downloadable file, broadcasting by any channel, public display or presentation, communicating through press information services, or inclusion in widely accessible databases or indexes)
- (c) **editing or redrafting** (including shortening, summarising, inserting other elements (e.g. meta-data, legends, other graphic, visual, audio or text elements), extracting parts (e.g. audio or video files), dividing into parts, use in a compilation)
- (d) **translation**
- (e) **storage** in paper, electronic or other form
- (f) **archiving**, in line with applicable document-management rules
- (g) the right to authorise **third parties** to act on its behalf or sub-license to third parties the modes of use set out in Points (b), (c), (d) and (f), if needed for the information, communication and publicity activity of the granting authority and
- (h) **processing**, analysing, aggregating the materials, documents and information received and **producing derivative works**.

The rights of use are granted for the whole duration of the industrial or intellectual property rights concerned.

If materials or documents are subject to moral rights or third party rights (including intellectual property rights or rights of natural persons on their image and voice), the beneficiaries must ensure

that they comply with their obligations under this Agreement (in particular, by obtaining the necessary licences and authorisations from the rights holders concerned).

Where applicable, the granting authority will insert the following information:

“© – [year] – [name of the copyright owner]. All rights reserved. Licensed to the [name of granting authority] under conditions.”

16.4 Specific rules on IPR, results and background

Specific rules regarding intellectual property rights, results and background (if any) are set out in Annex 5.

16.5 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such a breach may also lead to other measures described in Chapter 5.

ARTICLE 17 — COMMUNICATION, DISSEMINATION AND VISIBILITY

17.1 Communication — Dissemination — Promoting the action

Unless otherwise agreed with the granting authority, the beneficiaries must promote the action and its results by providing targeted information to multiple audiences (including the media and the public), in accordance with Annex 1 and in a strategic, coherent and effective manner.

Before engaging in a communication or dissemination activity expected to have a major media impact, the beneficiaries must inform the granting authority.

17.2 Visibility — European flag and funding statement

Unless otherwise agreed with the granting authority, communication activities of the beneficiaries related to the action (including media relations, conferences, seminars, information material, such as brochures, leaflets, posters, presentations, etc., in electronic form, via traditional or social media, etc.), dissemination activities and any infrastructure, equipment, vehicles, supplies or major result funded by the grant must acknowledge the EU support and display the European flag (emblem) and funding statement (translated into local languages, where appropriate):



Funded by the
European Union



Co-funded by the
European Union



Funded by the
European Union



Co-funded by the
European Union

The emblem must remain distinct and separate and cannot be modified by adding other visual marks, brands or text.

Apart from the emblem, no other visual identity or logo may be used to highlight the EU support.

When displayed in association with other logos (e.g. of beneficiaries or sponsors), the emblem must be displayed at least as prominently and visibly as the other logos.

For the purposes of their obligations under this Article, the beneficiaries may use the emblem without first obtaining approval from the granting authority. This does not, however, give them the right to exclusive use. Moreover, they may not appropriate the emblem or any similar trademark or logo, either by registration or by any other means.

17.3 Quality of information — Disclaimer

Any communication or dissemination activity related to the action must use factually accurate information.

Moreover, it must indicate the following disclaimer (translated into local languages where appropriate):

“Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or [name of the granting authority]. Neither the European Union nor the granting authority can be held responsible for them.”

17.4 Specific communication, dissemination and visibility rules

Specific communication, dissemination and visibility rules (if any) are set out in Annex 5.

17.5 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 18 — SPECIFIC RULES FOR CARRYING OUT THE ACTION

18.1 Specific rules for carrying out the action

Specific rules for implementing the action (if any) are set out in Annex 5.

18.2 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such a breach may also lead to other measures described in Chapter 5.

SECTION 3 GRANT ADMINISTRATION

ARTICLE 19 — GENERAL INFORMATION OBLIGATIONS

19.1 Information requests

The beneficiaries must provide — during the action or afterwards and in accordance with Article 7 — any information requested in order to verify eligibility of the lump sum contributions declared, proper implementation of the action and compliance with the other obligations under the Agreement.

The information provided must be accurate, precise and complete and in the format requested, including electronic format.

19.2 Participant Register data updates

The beneficiaries must keep — at all times, during the action or afterwards — their information stored in the Portal Participant Register up to date, in particular, their name, address, legal representatives, legal form and organisation type.

19.3 Information about events and circumstances which impact the action

The beneficiaries must immediately inform the granting authority (and the other beneficiaries) of any of the following:

- (a) **events** which are likely to affect or delay the implementation of the action or affect the EU's financial interests, in particular:
 - (i) changes in their legal, financial, technical, organisational or ownership situation (including changes linked to one of the exclusion grounds listed in the declaration of honour signed before grant signature)
 - (ii) linked action information: not applicable
- (b) **circumstances** affecting:
 - (i) the decision to award the grant or
 - (ii) compliance with requirements under the Agreement.

19.4 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 20 — RECORD-KEEPING

20.1 Keeping records and supporting documents

The beneficiaries must — at least until the time-limit set out in the Data Sheet (see Point 6) — keep records and other supporting documents to prove the proper implementation of the action (proper implementation of the work and/or achievement of the results as described in Annex 1) in line with the accepted standards in the respective field (if any); beneficiaries do not need to keep specific records on the actual costs incurred.

The records and supporting documents must be made available upon request (see Article 19) or in the context of checks, reviews, audits or investigations (see Article 25).

If there are on-going checks, reviews, audits, investigations, litigation or other pursuits of claims under the Agreement (including the extension of findings; see Article 25), the beneficiaries must keep these records and other supporting documentation until the end of these procedures.

The beneficiaries must keep the original documents. Digital and digitalised documents are considered originals if they are authorised by the applicable national law. The granting authority may accept non-original documents if they offer a comparable level of assurance.

20.2 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, lump sum contributions insufficiently substantiated will be ineligible (see Article 6) and will be rejected (see Article 27), and the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 21 — REPORTING

21.1 Continuous reporting

The beneficiaries must continuously report on the progress of the action (e.g. **deliverables, milestones, outputs/outcomes, critical risks, indicators**, etc; if any), in the Portal Continuous Reporting tool and in accordance with the timing and conditions it sets out (as agreed with the granting authority).

Standardised deliverables (e.g. progress reports not linked to payments, reports on cumulative expenditure, special reports, etc; if any) must be submitted using the templates published on the Portal.

21.2 Periodic reporting: Technical reports and financial statements

In addition, the beneficiaries must provide reports to request payments, in accordance with the schedule and modalities set out in the Data Sheet (see Point 4.2):

- for additional prefinancings (if any): **an additional prefinancing report**
- for interim payments (if any) and the final payment: a **periodic report**

The prefinancing and periodic reports include a technical and financial part.

The technical part includes an overview of the action implementation. It must be prepared using the template available in the Portal Periodic Reporting tool.

The financial part of the additional prefinancing report includes a statement on the use of the previous prefinancing payment.

The financial part of the periodic report includes:

- the financial statement (consolidated statement for the consortium)
- the explanation on the use of resources (or detailed cost reporting table): not applicable
- the certificates on the financial statements (CFS): not applicable.

The **financial statement** must contain the lump sum contributions indicated in Annex 2, for the work packages that were completed during the reporting period.

For the last reporting period, the beneficiaries may exceptionally also declare partial lump sum contributions for work packages that were not completed (e.g. due to force majeure or technical impossibility).

Lump sum contributions which are not declared in a financial statement will not be taken into account by the granting authority.

By signing the financial statement (directly in the Portal Periodic Reporting tool), the coordinator confirms (on behalf of the consortium) that:

- the information provided is complete, reliable and true
- the lump sum contributions declared are eligible (in particular, the work packages have been completed, that the work has been properly implemented and/or the results were achieved in accordance with Annex 1; see Article 6)
- the proper implementation and/or achievement can be substantiated by adequate records and supporting documents (see Article 20) that will be produced upon request (see Article 19) or in the context of checks, reviews, audits and investigations (see Article 25).

In case of recoveries (see Article 22), beneficiaries will be held responsible also for the lump sum contributions declared for their affiliated entities (if any).

21.3 Currency for financial statements and conversion into euros

The financial statements must be drafted in euro.

21.4 Reporting language

The reporting must be in the language of the Agreement, unless otherwise agreed with the granting authority (see Data Sheet, Point 4.2).

21.5 Consequences of non-compliance

If a report submitted does not comply with this Article, the granting authority may suspend the payment deadline (see Article 29) and apply other measures described in Chapter 5.

If the coordinator breaches its reporting obligations, the granting authority may terminate the grant or the coordinator's participation (see Article 32) or apply other measures described in Chapter 5.

ARTICLE 22 — PAYMENTS AND RECOVERIES — CALCULATION OF AMOUNTS DUE

22.1 Payments and payment arrangements

Payments will be made in accordance with the schedule and modalities set out in the Data Sheet (see Point 4.2).

They will be made in euro to the bank account indicated by the coordinator (see Data Sheet, Point 4.2) and must be distributed without unjustified delay (restrictions may apply to distribution of the initial prefinancing payment; see Data Sheet, Point 4.2).

Payments to this bank account will discharge the granting authority from its payment obligation.

The cost of payment transfers will be borne as follows:

- the granting authority bears the cost of transfers charged by its bank
- the beneficiary bears the cost of transfers charged by its bank
- the party causing a repetition of a transfer bears all costs of the repeated transfer.

Payments by the granting authority will be considered to have been carried out on the date when they are debited to its account.

22.2 Recoveries

Recoveries will be made, if — at beneficiary termination, final payment or afterwards — it turns out that the granting authority has paid too much and needs to recover the amounts undue.

The general liability regime for recoveries (first-line liability) is as follows: At final payment, the coordinator will be fully liable for recoveries, even if it has not been the final recipient of the undue amounts. At beneficiary termination or after final payment, recoveries will be made directly against the beneficiaries concerned.

Beneficiaries will be fully liable for repaying the debts of their affiliated entities.

In case of enforced recoveries (see Article 22.4):

- the beneficiaries will be jointly and severally liable for repaying debts of another beneficiary under the Agreement (including late-payment interest), if required by the granting authority (see Data Sheet, Point 4.4)
- affiliated entities will be held liable for repaying debts of their beneficiaries under the Agreement (including late-payment interest), if required by the granting authority (see Data Sheet, Point 4.4).

22.3 Amounts due

22.3.1 Prefinancing payments

The aim of the prefinancing is to provide the beneficiaries with a float.

It remains the property of the EU until the final payment.

For **initial prefinancings** (if any), the amount due, schedule and modalities are set out in the Data Sheet (see Point 4.2).

For **additional prefinancings** (if any), the amount due, schedule and modalities are also set out in the Data Sheet (see Point 4.2). However, if the statement on the use of the previous prefinancing payment shows that less than 70% was used, the amount set out in the Data Sheet will be reduced by the difference between the 70% threshold and the amount used.

Prefinancing payments (or parts of them) may be offset (without the beneficiaries' consent) against amounts owed by a beneficiary to the granting authority — up to the amount due to that beneficiary.

For grants where the granting authority is the European Commission or an EU executive agency, offsetting may also be done against amounts owed to other Commission services or executive agencies.

Payments will not be made if the payment deadline or payments are suspended (see Articles 29 and 30).

22.3.2 Amount due at beneficiary termination — Recovery

In case of beneficiary termination, the granting authority will determine the provisional amount due for the beneficiary concerned.

This will be done on the basis of work packages already completed in previous interim payments. Payments for ongoing/not yet completed work packages which the beneficiary was working on before termination (if any) will therefore be made only later on, with the next interim or final payments when those work packages have been completed.

The **amount due** will be calculated in the following step:

Step 1 — Calculation of the total accepted EU contribution

Step 1 — Calculation of the total accepted EU contribution

The granting authority will first calculate the 'accepted EU contribution' for the beneficiary, on the basis of the beneficiary's lump sum contributions for the work packages which were approved in previous interim payments.

After that, the granting authority will take into account grant reductions (if any). The resulting amount is the 'total accepted EU contribution' for the beneficiary.

The **balance** is then calculated by deducting the payments received (if any; see report on the distribution of payments in Article 32), from the total accepted EU contribution:

{total accepted EU contribution for the beneficiary
 minus

{prefinancing and interim payments received (if any)}.

If the balance is **negative**, it will be **recovered** in accordance with the following procedure:

The granting authority will send a **pre-information letter** to the beneficiary concerned:

- formally notifying the intention to recover, the amount due, the amount to be recovered and the reasons why and
- requesting observations within 30 days of receiving notification.

If no observations are submitted (or the granting authority decides to pursue recovery despite the observations it has received), it will confirm the amount to be recovered and ask this amount to be paid to the coordinator (**confirmation letter**).

22.3.3 Interim payments

Interim payments reimburse the eligible lump sum contributions claimed for work packages implemented during the reporting periods (if any).

Interim payments (if any) will be made in accordance with the schedule and modalities set out the Data Sheet (see Point 4.2).

Payment is subject to the approval of the periodic report and the work packages declared. Their approval does not imply recognition of compliance, authenticity, completeness or correctness of their content.

Incomplete work packages and work packages that have not been delivered or cannot be approved will be rejected (see Article 27).

The **interim payment** will be calculated by the granting authority in the following steps:

Step 1 — Calculation of the total accepted EU contribution

Step 2 — Limit to the interim payment ceiling

Step 1 — Calculation of the total accepted EU contribution

The granting authority will first calculate the ‘accepted EU contribution’ for the action for the reporting period, by calculating the lump sum contributions for the approved work packages.

After that, the granting authority will take into account grant reductions from beneficiary termination (if any). The resulting amount is the ‘total accepted EU contribution’.

Step 2 — Limit to the interim payment ceiling

The resulting amount is then capped to ensure that the total amount of prefinancing and interim payments (if any) does not exceed the interim payment ceiling set out in the Data Sheet (see Point 4.2).

Interim payments (or parts of them) may be offset (without the beneficiaries’ consent) against amounts owed by a beneficiary to the granting authority — up to the amount due to that beneficiary.

For grants where the granting authority is the European Commission or an EU executive agency,

offsetting may also be done against amounts owed to other Commission services or executive agencies.

Payments will not be made if the payment deadline or payments are suspended (see Articles 29 and 30).

22.3.4 Final payment — Final grant amount — Revenues and Profit — Recovery

The final payment (payment of the balance) reimburses the remaining eligible lump sum contributions claimed for the implemented work packages (if any).

The final payment will be made in accordance with the schedule and modalities set out in the Data Sheet (see Point 4.2).

Payment is subject to the approval of the final periodic report and the work packages declared. Their approval does not imply recognition of compliance, authenticity, completeness or correctness of their content.

Work packages (or parts of them) that have not been delivered or cannot be approved will be rejected (see Article 27).

The **final grant amount for the action** will be calculated in the following steps:

Step 1 — Calculation of the total accepted EU contribution

Step 2 — Limit to the maximum grant amount

Step 3 — Reduction due to the no-profit rule

Step 1 — Calculation of the total accepted EU contribution

The granting authority will first calculate the ‘accepted EU contribution’ for the action for all reporting periods, by calculating the lump sum contributions for the approved work packages.

After that, the granting authority will take into account grant reductions (if any). The resulting amount is the ‘total accepted EU contribution’.

Step 2 — Limit to the maximum grant amount

Not applicable

Step 3 — Reduction due to the no-profit rule

Not applicable

The **balance** (final payment) is then calculated by deducting the total amount of prefinancing and interim payments already made (if any), from the final grant amount:

$$\begin{aligned} & \{\text{final grant amount} \\ & \text{minus} \\ & \{\text{prefinancing and interim payments made (if any)}\} \}. \end{aligned}$$

If the balance is **positive**, it will be **paid** to the coordinator.

The final payment (or part of it) may be offset (without the beneficiaries' consent) against amounts owed by a beneficiary to the granting authority — up to the amount due to that beneficiary.

For grants where the granting authority is the European Commission or an EU executive agency, offsetting may also be done against amounts owed to other Commission services or executive agencies.

Payments will not be made if the payment deadline or payments are suspended (see Articles 29 and 30).

If the balance is **negative**, it will be **recovered** in accordance with the following procedure:

The granting authority will send a **pre-information letter** to the coordinator:

- formally notifying the intention to recover, the final grant amount, the amount to be recovered and the reasons why
- requesting observations within 30 days of receiving notification.

If no observations are submitted (or the granting authority decides to pursue recovery despite the observations it has received), it will confirm the amount to be recovered (**confirmation letter**), together with a **debit note** with the terms and date for payment.

If payment is not made by the date specified in the debit note, the granting authority will **enforce recovery** in accordance with Article 22.4.

22.3.5 Audit implementation after final payment — Revised final grant amount — Recovery

If — after the final payment (in particular, after checks, reviews, audits or investigations; see Article 25) — the granting authority rejects lump sum contributions (see Article 27) or reduces the grant (see Article 28), it will calculate the **revised final grant amount** for the beneficiary concerned.

The **beneficiary revised final grant amount** will be calculated in the following step:

Step 1 — Calculation of the revised total accepted EU contribution

Step 1 — Calculation of the revised total accepted EU contribution

The granting authority will first calculate the 'revised accepted EU contribution' for the beneficiary, by calculating the 'revised accepted contributions'.

After that, it will take into account grant reductions (if any). The resulting 'revised total accepted EU contribution' is the beneficiary revised final grant amount.

If the revised final grant amount is lower than the beneficiary's final grant amount (i.e. its share in the final grant amount for the action), it will be **recovered** in accordance with the following procedure:

The **beneficiary final grant amount** (i.e. share in the final grant amount for the action) is calculated as follows:

{total accepted EU contribution for the beneficiary

divided by
 total accepted EU contribution for the action}
 multiplied by
 final grant amount for the action}.

The granting authority will send a **pre-information letter** to the beneficiary concerned:

- formally notifying the intention to recover, the amount to be recovered and the reasons why and
- requesting observations within 30 days of receiving notification.

If no observations are submitted (or the granting authority decides to pursue recovery despite the observations it has received), it will confirm the amount to be recovered (**confirmation letter**), together with a **debit note** with the terms and the date for payment.

Recoveries against affiliated entities (if any) will be handled through their beneficiaries.

If payment is not made by the date specified in the debit note, the granting authority will **enforce recovery** in accordance with Article 22.4.

22.4 Enforced recovery

If payment is not made by the date specified in the debit note, the amount due will be recovered:

- (a) by offsetting the amount — without the coordinator or beneficiary's consent — against any amounts owed to the coordinator or beneficiary by the granting authority.

In exceptional circumstances, to safeguard the EU financial interests, the amount may be offset before the payment date specified in the debit note.

For grants where the granting authority is the European Commission or an EU executive agency, debts may also be offset against amounts owed by other Commission services or executive agencies.

- (b) by drawing on the financial guarantee(s) (if any)
- (c) by holding other beneficiaries jointly and severally liable (if any; see Data Sheet, Point 4.4)
- (d) by holding affiliated entities jointly and severally liable (if any, see Data Sheet, Point 4.4)
- (e) by taking legal action (see Article 43) or, provided that the granting authority is the European Commission or an EU executive agency, by adopting an enforceable decision under Article 299 of the Treaty on the Functioning of the EU (TFEU) and Article 100(2) of EU Financial Regulation 2018/1046.

The amount to be recovered will be increased by **late-payment interest** at the rate set out in Article 23.5, from the day following the payment date in the debit note, up to and including the date the full payment is received.

Partial payments will be first credited against expenses, charges and late-payment interest and then against the principal.

Bank charges incurred in the recovery process will be borne by the beneficiary, unless Directive 2015/2366¹⁵ applies.

For grants where the granting authority is an EU executive agency, enforced recovery by offsetting or enforceable decision will be done by the services of the European Commission (see also Article 43).

22.5 Consequences of non-compliance

22.5.1 If the granting authority does not pay within the payment deadlines (see above), the beneficiaries are entitled to **late-payment interest** at the reference rate applied by the European Central Bank (ECB) for its main refinancing operations in euros, plus the percentage specified in the Data Sheet (Point 4.2). The ECB reference rate to be used is the rate in force on the first day of the month in which the payment deadline expires, as published in the C series of the *Official Journal of the European Union*.

If the late-payment interest is lower than or equal to EUR 200, it will be paid to the coordinator only on request submitted within two months of receiving the late payment.

Late-payment interest is not due if all beneficiaries are EU Member States (including regional and local government authorities or other public bodies acting on behalf of a Member State for the purpose of this Agreement).

If payments or the payment deadline are suspended (see Articles 29 and 30), payment will not be considered as late.

Late-payment interest covers the period running from the day following the due date for payment (see above), up to and including the date of payment.

Late-payment interest is not considered for the purposes of calculating the final grant amount.

22.5.2 If the coordinator breaches any of its obligations under this Article, the grant may be reduced (see Article 29) and the grant or the coordinator may be terminated (see Article 32).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 23 — GUARANTEES

23.1 Prefinancing guarantee

If required by the granting authority (see Data Sheet, Point 4.2), the beneficiaries must provide (one or more) prefinancing guarantee(s) in accordance with the timing and the amounts set out in the Data Sheet.

The coordinator must submit them to the granting authority in due time before the prefinancing they are linked to.

The guarantees must be drawn up using the template published on the Portal and fulfil the following conditions:

¹⁵ Directive (EU) 2015/2366 of the European Parliament and of the Council of 25 November 2015 on payment services in the internal market, amending Directives 2002/65/EC, 2009/110/EC and 2013/36/EU and Regulation (EU) No 1093/2010, and repealing Directive 2007/64/EC (OJ L 337, 23.12.2015, p. 35).

- (a) be provided by a bank or approved financial institution established in the EU or — if requested by the coordinator and accepted by the granting authority — by a third party or a bank or financial institution established outside the EU offering equivalent security
- (b) the guarantor stands as first-call guarantor and does not require the granting authority to first have recourse against the principal debtor (i.e. the beneficiary concerned) and
- (c) remain explicitly in force until the final payment and, if the final payment takes the form of a recovery, until five months after the debit note is notified to a beneficiary.

They will be released within the following month.

23.2 Consequences of non-compliance

If the beneficiaries breach their obligation to provide the prefinancing guarantee, the prefinancing will not be paid.

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 24 — CERTIFICATES

Not applicable

ARTICLE 25 — CHECKS, REVIEWS, AUDITS AND INVESTIGATIONS — EXTENSION OF FINDINGS

25.1 Granting authority checks, reviews and audits

25.1.1 Internal checks

The granting authority may — during the action or afterwards — check the proper implementation of the action and compliance with the obligations under the Agreement, including assessing lump sum contributions, deliverables and reports.

25.1.2 Project reviews

The granting authority may carry out reviews on the proper implementation of the action and compliance with the obligations under the Agreement (general project reviews or specific issues reviews).

Such project reviews may be started during the implementation of the action and until the time-limit set out in the Data Sheet (see Point 6). They will be formally notified to the coordinator or beneficiary concerned and will be considered to start on the date of the notification.

If needed, the granting authority may be assisted by independent, outside experts. If it uses outside experts, the coordinator or beneficiary concerned will be informed and have the right to object on grounds of commercial confidentiality or conflict of interest.

The coordinator or beneficiary concerned must cooperate diligently and provide — within the deadline requested — any information and data in addition to deliverables and reports already submitted. The granting authority may request beneficiaries to provide such information to it directly. Sensitive information and documents will be treated in accordance with Article 13.

The coordinator or beneficiary concerned may be requested to participate in meetings, including with the outside experts.

For **on-the-spot visits**, the beneficiary concerned must allow access to sites and premises (including to the outside experts) and must ensure that information requested is readily available.

Information provided must be accurate, precise and complete and in the format requested, including electronic format.

On the basis of the review findings, a **project review report** will be drawn up.

The granting authority will formally notify the project review report to the coordinator or beneficiary concerned, which has 30 days from receiving notification to make observations.

Project reviews (including project review reports) will be in the language of the Agreement.

25.1.3 Audits

The granting authority may carry out audits on the proper implementation of the action and compliance with the obligations under the Agreement.

Such audits may be started during the implementation of the action and until the time-limit set out in the Data Sheet (see Point 6). They will be formally notified to the beneficiary concerned and will be considered to start on the date of the notification.

The granting authority may use its own audit service, delegate audits to a centralised service or use external audit firms. If it uses an external firm, the beneficiary concerned will be informed and have the right to object on grounds of commercial confidentiality or conflict of interest.

The beneficiary concerned must cooperate diligently and provide — within the deadline requested — any information (including complete accounts, individual salary statements or other personal data) to verify compliance with the Agreement. Sensitive information and documents will be treated in accordance with Article 13.

For **on-the-spot** visits, the beneficiary concerned must allow access to sites and premises (including for the external audit firm) and must ensure that information requested is readily available.

Information provided must be accurate, precise and complete and in the format requested, including electronic format.

On the basis of the audit findings, a **draft audit report** will be drawn up.

The auditors will formally notify the draft audit report to the beneficiary concerned, which has 30 days from receiving notification to make observations (contradictory audit procedure).

The **final audit report** will take into account observations by the beneficiary concerned and will be formally notified to them.

Audits (including audit reports) will be in the language of the Agreement.

25.2 European Commission checks, reviews and audits in grants of other granting authorities

Where the granting authority is not the European Commission, the latter has the same rights of checks, reviews and audits as the granting authority.

25.3 Access to records for assessing simplified forms of funding

The beneficiaries must give the European Commission access to their statutory records for the periodic assessment of simplified forms of funding which are used in EU programmes.

25.4 OLAF, EPPO and ECA audits and investigations

The following bodies may also carry out checks, reviews, audits and investigations — during the action or afterwards:

- the European Anti-Fraud Office (OLAF) under Regulations No 883/2013¹⁶ and No 2185/96¹⁷
- the European Public Prosecutor's Office (EPPO) under Regulation 2017/1939
- the European Court of Auditors (ECA) under Article 287 of the Treaty on the Functioning of the EU (TFEU) and Article 257 of EU Financial Regulation 2018/1046.

If requested by these bodies, the beneficiary concerned must provide full, accurate and complete information in the format requested (including complete accounts, individual salary statements or other personal data, including in electronic format) and allow access to sites and premises for on-the-spot visits or inspections — as provided for under these Regulations.

To this end, the beneficiary concerned must keep all relevant information relating to the action, at least until the time-limit set out in the Data Sheet (Point 6) and, in any case, until any ongoing checks, reviews, audits, investigations, litigation or other pursuits of claims have been concluded.

25.5 Consequences of checks, reviews, audits and investigations — Extension of findings

25.5.1 Consequences of checks, reviews, audits and investigations in this grant

Findings in checks, reviews, audits or investigations carried out in the context of this grant may lead to rejections (see Article 27), grant reduction (see Article 28) or other measures described in Chapter 5.

Rejections or grant reductions after the final payment will lead to a revised final grant amount (see Article 22).

Findings in checks, reviews, audits or investigations during the action implementation may lead to a request for amendment (see Article 39), to change the description of the action set out in Annex 1.

Checks, reviews, audits or investigations that find systemic or recurrent errors, irregularities, fraud or breach of obligations in any EU grant may also lead to consequences in other EU grants awarded under similar conditions ('extension to other grants').

¹⁶ Regulation (EU, Euratom) No 883/2013 of the European Parliament and of the Council of 11 September 2013 concerning investigations conducted by the European Anti-Fraud Office (OLAF) and repealing Regulation (EC) No 1073/1999 of the European Parliament and of the Council and Council Regulation (Euratom) No 1074/1999 (OJ L 248, 18/09/2013, p. 1).

¹⁷ Council Regulation (Euratom, EC) No 2185/1996 of 11 November 1996 concerning on-the-spot checks and inspections carried out by the Commission in order to protect the European Communities' financial interests against fraud and other irregularities (OJ L 292, 15/11/1996, p. 2).

Moreover, findings arising from an OLAF or EPPO investigation may lead to criminal prosecution under national law.

25.5.2 Extension from other grants

Findings of checks, reviews, audits or investigations in other grants may be extended to this grant, if:

- (a) the beneficiary concerned is found, in other EU grants awarded under similar conditions, to have committed systemic or recurrent errors, irregularities, fraud or breach of obligations that have a material impact on this grant and
- (b) those findings are formally notified to the beneficiary concerned — together with the list of grants affected by the findings — within the time-limit for audits set out in the Data Sheet (see Point 6).

The granting authority will formally notify the beneficiary concerned of the intention to extend the findings and the list of grants affected.

If the extension concerns **rejections of lump sum contributions**: the notification will include:

- (a) an invitation to submit observations on the list of grants affected by the findings
- (b) the request to submit revised financial statements for all grants affected
- (c) the correction rate for extrapolation, established on the basis of the systemic or recurrent errors, to calculate the amounts to be rejected, if the beneficiary concerned:
 - (i) considers that the submission of revised financial statements is not possible or practicable or
 - (ii) does not submit revised financial statements.

If the extension concerns **grant reductions**: the notification will include:

- (a) an invitation to submit observations on the list of grants affected by the findings and
- (b) the **correction rate for extrapolation**, established on the basis of the systemic or recurrent errors and the principle of proportionality.

The beneficiary concerned has **60 days** from receiving notification to submit observations, revised financial statements or to propose a duly substantiated **alternative correction method/rate**.

On the basis of this, the granting authority will analyse the impact and decide on the implementation (i.e. start rejection or grant reduction procedures, either on the basis of the revised financial statements or the announced/alternative method/rate or a mix of those; see Articles 27 and 28).

25.6 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, lump sum contributions insufficiently substantiated will be ineligible (see Article 6) and will be rejected (see Article 27), and the grant may be reduced (see Article 28).

Such breaches may also lead to other measures described in Chapter 5.

ARTICLE 26 — IMPACT EVALUATIONS

26.1 Impact evaluation

The granting authority may carry out impact evaluations of the action, measured against the objectives and indicators of the EU programme funding the grant.

Such evaluations may be started during implementation of the action and until the time-limit set out in the Data Sheet (see Point 6). They will be formally notified to the coordinator or beneficiaries and will be considered to start on the date of the notification.

If needed, the granting authority may be assisted by independent outside experts.

The coordinator or beneficiaries must provide any information relevant to evaluate the impact of the action, including information in electronic format.

26.2 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the granting authority may apply the measures described in Chapter 5.

CHAPTER 5 CONSEQUENCES OF NON-COMPLIANCE

SECTION 1 REJECTIONS AND GRANT REDUCTION

ARTICLE 27 — REJECTION OF CONTRIBUTIONS

27.1 Conditions

The granting authority will — at interim payment, final payment or afterwards — reject any lump sum contributions which are ineligible (see Article 6), in particular following checks, reviews, audits or investigations (see Article 25).

The rejection may also be based on the extension of findings from other grants to this grant (see Article 25).

Ineligible lump sum contributions will be rejected.

27.2 Procedure

If the rejection does not lead to a recovery, the granting authority will formally notify the coordinator or beneficiary concerned of the rejection, the amounts and the reasons why. The coordinator or beneficiary concerned may — within 30 days of receiving notification — submit observations if it disagrees with the rejection (payment review procedure).

If the rejection leads to a recovery, the granting authority will follow the contradictory procedure with pre-information letter set out in Article 22.

27.3 Effects

If the granting authority rejects lump sum contributions, it will deduct them from the lump sum contributions declared and then calculate the amount due (and, if needed, make a recovery; see Article 22).

ARTICLE 28 — GRANT REDUCTION

28.1 Conditions

The granting authority may — at beneficiary termination, final payment or afterwards — reduce the grant for a beneficiary, if:

- (a) the beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed:
 - (i) substantial errors, irregularities or fraud or
 - (ii) serious breach of obligations under this Agreement or during its award (including improper implementation of the action, non-compliance with the call conditions, submission of false information, failure to provide required information, breach of ethics or security rules (if applicable), etc.), or
- (b) the beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed — in other EU grants awarded to it under similar conditions — systemic or recurrent errors, irregularities, fraud or serious breach of obligations that have a material impact on this grant (extension of findings; see Article 25.5).

The amount of the reduction will be calculated for each beneficiary concerned and proportionate to the seriousness and the duration of the errors, irregularities or fraud or breach of obligations, by applying an individual reduction rate to their accepted EU contribution.

28.2 Procedure

If the grant reduction does not lead to a recovery, the granting authority will formally notify the coordinator or beneficiary concerned of the reduction, the amount to be reduced and the reasons why. The coordinator or beneficiary concerned may — within 30 days of receiving notification — submit observations if it disagrees with the reduction (payment review procedure).

If the grant reduction leads to a recovery, the granting authority will follow the contradictory procedure with pre-information letter set out in Article 22.

28.3 Effects

If the granting authority reduces the grant, it will deduct the reduction and then calculate the amount due (and, if needed, make a recovery; see Article 22).

SECTION 2 — SUSPENSION AND TERMINATION

ARTICLE 29 — PAYMENT DEADLINE SUSPENSION

29.1 Conditions

The granting authority may — at any moment — suspend the payment deadline if a payment cannot be processed because:

- (a) the required report (see Article 21) has not been submitted or is not complete or additional information is needed
- (b) there are doubts about the amount to be paid (e.g. ongoing extension procedure, queries about eligibility, need for a grant reduction, etc.) and additional checks, reviews, audits or investigations are necessary, or
- (c) there are other issues affecting the EU financial interests.

29.2 Procedure

The granting authority will formally notify the coordinator of the suspension and the reasons why.

The suspension will **take effect** the day the notification is sent.

If the conditions for suspending the payment deadline are no longer met, the suspension will be **lifted** — and the remaining time to pay (see Data Sheet, Point 4.2) will resume.

If the suspension exceeds two months, the coordinator may request the granting authority to confirm if the suspension will continue.

If the payment deadline has been suspended due to the non-compliance of the report and the revised report is not submitted (or was submitted but is also rejected), the granting authority may also terminate the grant or the participation of the coordinator (see Article 32).

ARTICLE 30 — PAYMENT SUSPENSION

30.1 Conditions

The granting authority may — at any moment — suspend payments, in whole or in part for one or more beneficiaries, if:

- (a) a beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed or is suspected of having committed:
 - (i) substantial errors, irregularities or fraud or
 - (ii) serious breach of obligations under this Agreement or during its award (including improper implementation of the action, non-compliance with the call conditions, submission of false information, failure to provide required information, breach of ethics or security rules (if applicable), etc.), or
- (b) a beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed — in other EU grants awarded to it under similar conditions — systemic or recurrent errors, irregularities, fraud or

serious breach of obligations that have a material impact on this grant (extension of findings; see Article 25.5).

If payments are suspended for one or more beneficiaries, the granting authority will make partial payment(s) for the part(s) not suspended. If suspension concerns the final payment, the payment (or recovery) of the remaining amount after suspension is lifted will be considered to be the payment that closes the action.

30.2 Procedure

Before suspending payments, the granting authority will send a **pre-information letter** to the beneficiary concerned:

- formally notifying the intention to suspend payments and the reasons why and
- requesting observations within 30 days of receiving notification.

If the granting authority does not receive observations or decides to pursue the procedure despite the observations it has received, it will confirm the suspension (**confirmation letter**). Otherwise, it will formally notify that the procedure is discontinued.

At the end of the suspension procedure, the granting authority will also inform the coordinator.

The suspension will **take effect** the day after the confirmation notification is sent.

If the conditions for resuming payments are met, the suspension will be **lifted**. The granting authority will formally notify the beneficiary concerned (and the coordinator) and set the suspension end date.

During the suspension, no prefinancing will be paid to the beneficiaries concerned. For interim payments, the periodic reports for all reporting periods except the last one (see Article 21) must not contain any financial statements from the beneficiary concerned (or its affiliated entities). The coordinator must include them in the next periodic report after the suspension is lifted or — if suspension is not lifted before the end of the action — in the last periodic report.

ARTICLE 31 — GRANT AGREEMENT SUSPENSION

31.1 Consortium-requested GA suspension

31.1.1 Conditions and procedure

The beneficiaries may request the suspension of the grant or any part of it, if exceptional circumstances — in particular *force majeure* (see Article 35) — make implementation impossible or excessively difficult.

The coordinator must submit a request for **amendment** (see Article 39), with:

- the reasons why
- the date the suspension takes effect; this date may be before the date of the submission of the amendment request and
- the expected date of resumption.

The suspension will **take effect** on the day specified in the amendment.

Once circumstances allow for implementation to resume, the coordinator must immediately request another **amendment** of the Agreement to set the suspension end date, the resumption date (one day after suspension end date), extend the duration and make other changes necessary to adapt the action to the new situation (see Article 39) — unless the grant has been terminated (see Article 32). The suspension will be **lifted** with effect from the suspension end date set out in the amendment. This date may be before the date of the submission of the amendment request.

During the suspension, no prefinancing will be paid. Moreover, no work may be done. Ongoing work packages must be interrupted and no new work packages may be started.

31.2 EU-initiated GA suspension

31.2.1 Conditions

The granting authority may suspend the grant or any part of it, if:

- (a) a beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed or is suspected of having committed:
 - (i) substantial errors, irregularities or fraud or
 - (ii) serious breach of obligations under this Agreement or during its award (including improper implementation of the action, non-compliance with the call conditions, submission of false information, failure to provide required information, breach of ethics or security rules (if applicable), etc.), or
- (b) a beneficiary (or a person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed — in other EU grants awarded to it under similar conditions — systemic or recurrent errors, irregularities, fraud or serious breach of obligations that have a material impact on this grant (extension of findings; see Article 25.5)
- (c) other:
 - (i) linked action issues: not applicable
 - (ii) additional GA suspension grounds: not applicable.

31.2.2 Procedure

Before suspending the grant, the granting authority will send a **pre-information letter** to the coordinator:

- formally notifying the intention to suspend the grant and the reasons why and
- requesting observations within 30 days of receiving notification.

If the granting authority does not receive observations or decides to pursue the procedure despite the observations it has received, it will confirm the suspension (**confirmation letter**). Otherwise, it will formally notify that the procedure is discontinued.

The suspension will **take effect** the day after the confirmation notification is sent (or on a later date specified in the notification).

Once the conditions for resuming implementation of the action are met, the granting authority will formally notify the coordinator a **lifting of suspension letter**, in which it will set the suspension end date and invite the coordinator to request an amendment of the Agreement to set the resumption date (one day after suspension end date), extend the duration and make other changes necessary to adapt the action to the new situation (see Article 39) — unless the grant has been terminated (see Article 32). The suspension will be **lifted** with effect from the suspension end date set out in the lifting of suspension letter. This date may be before the date on which the letter is sent.

During the suspension, no prefinancing will be paid. Moreover, no work may be done. Ongoing work packages must be interrupted and no new work packages may be started.

The beneficiaries may not claim damages due to suspension by the granting authority (see Article 33).

Grant suspension does not affect the granting authority's right to terminate the grant or a beneficiary (see Article 32) or reduce the grant (see Article 28).

ARTICLE 32 — GRANT AGREEMENT OR BENEFICIARY TERMINATION

32.1 Consortium-requested GA termination

32.1.1 Conditions and procedure

The beneficiaries may request the termination of the grant.

The coordinator must submit a request for **amendment** (see Article 39), with:

- the reasons why
- the date the consortium ends work on the action ('end of work date') and
- the date the termination takes effect ('termination date'); this date must be after the date of the submission of the amendment request.

The termination will **take effect** on the termination date specified in the amendment.

If no reasons are given or if the granting authority considers the reasons do not justify termination, it may consider the grant terminated improperly.

32.1.2 Effects

The coordinator must — within 60 days from when termination takes effect — submit a **periodic report** (for the open reporting period until termination).

The granting authority will calculate the final grant amount and final payment on the basis of the report submitted and taking into account the lump sum contributions for activities implemented before the end of work date (see Article 22). Partial lump sum contributions for work packages that were not completed (e.g. due to technical reasons) may exceptionally be taken into account.

If the granting authority does not receive the report within the deadline, only lump sum contributions

which are included in an approved periodic report will be taken into account (no contributions if no periodic report was ever approved).

Improper termination may lead to a grant reduction (see Article 28).

After termination, the beneficiaries' obligations (in particular Articles 13 (confidentiality and security), 16 (IPR), 17 (communication, dissemination and visibility), 21 (reporting), 25 (checks, reviews, audits and investigations), 26 (impact evaluation), 27 (rejections), 28 (grant reduction) and 41 (assignment of claims)) continue to apply.

32.2 Consortium-requested beneficiary termination

32.2.1 Conditions and procedure

The coordinator may request the termination of the participation of one or more beneficiaries, on request of the beneficiary concerned or on behalf of the other beneficiaries.

The coordinator must submit a request for **amendment** (see Article 39), with:

- the reasons why
- the opinion of the beneficiary concerned (or proof that this opinion has been requested in writing)
- the date the beneficiary ends work on the action ('end of work date')
- the date the termination takes effect ('termination date'); this date must be after the date of the submission of the amendment request.

If the termination concerns the coordinator and is done without its agreement, the amendment request must be submitted by another beneficiary (acting on behalf of the consortium).

The termination will **take effect** on the termination date specified in the amendment.

If no information is given or if the granting authority considers that the reasons do not justify termination, it may consider the beneficiary to have been terminated improperly.

32.2.2 Effects

The coordinator must — within 60 days from when termination takes effect — submit:

- (i) a **report on the distribution of payments** to the beneficiary concerned
- (ii) a **termination report** from the beneficiary concerned, for the open reporting period until termination, containing an overview of the progress of the work
- (iii) a second **request for amendment** (see Article 39) with other amendments needed (e.g. reallocation of the tasks and the estimated budget of the terminated beneficiary; addition of a new beneficiary to replace the terminated beneficiary; change of coordinator, etc.).

The granting authority will calculate the amount due to the beneficiary on the basis of the reports submitted in previous interim payments (i.e. beneficiary's lump sum contributions for completed and approved work packages).

Lump sum contributions for ongoing/not yet completed work packages will have to be included in the periodic report for the next reporting periods when those work packages have been completed.

If the granting authority does not receive the report on the distribution of payments within the deadline, it will consider that:

- the coordinator did not distribute any payment to the beneficiary concerned and that
- the beneficiary concerned must not repay any amount to the coordinator.

If the second request for amendment is accepted by the granting authority, the Agreement is **amended** to introduce the necessary changes (see Article 39).

If the second request for amendment is rejected by the granting authority (because it calls into question the decision awarding the grant or breaches the principle of equal treatment of applicants), the grant may be terminated (see Article 32).

Improper termination may lead to a reduction of the grant (see Article 31) or grant termination (see Article 32).

After termination, the concerned beneficiary's obligations (in particular Articles 13 (confidentiality and security), 16 (IPR), 17 (communication, dissemination and visibility), 21 (reporting), 25 (checks, reviews, audits and investigations), 26 (impact evaluation), 27 (rejections), 28 (grant reduction) and 41 (assignment of claims)) continue to apply.

32.3 EU-initiated GA or beneficiary termination

32.3.1 Conditions

The granting authority may terminate the grant or the participation of one or more beneficiaries, if:

- (a) one or more beneficiaries do not accede to the Agreement (see Article 40)
- (b) a change to the action or the legal, financial, technical, organisational or ownership situation of a beneficiary is likely to substantially affect the implementation of the action or calls into question the decision to award the grant (including changes linked to one of the exclusion grounds listed in the declaration of honour)
- (c) following termination of one or more beneficiaries, the necessary changes to the Agreement (and their impact on the action) would call into question the decision awarding the grant or breach the principle of equal treatment of applicants
- (d) implementation of the action has become impossible or the changes necessary for its continuation would call into question the decision awarding the grant or breach the principle of equal treatment of applicants
- (e) a beneficiary (or person with unlimited liability for its debts) is subject to bankruptcy proceedings or similar (including insolvency, winding-up, administration by a liquidator or court, arrangement with creditors, suspension of business activities, etc.)
- (f) a beneficiary (or person with unlimited liability for its debts) is in breach of social security or tax obligations

- (g) a beneficiary (or person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has been found guilty of grave professional misconduct
- (h) a beneficiary (or person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed fraud, corruption, or is involved in a criminal organisation, money laundering, terrorism-related crimes (including terrorism financing), child labour or human trafficking
- (i) a beneficiary (or person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) was created under a different jurisdiction with the intent to circumvent fiscal, social or other legal obligations in the country of origin (or created another entity with this purpose)
- (j) a beneficiary (or person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed:
 - (i) substantial errors, irregularities or fraud or
 - (ii) serious breach of obligations under this Agreement or during its award (including improper implementation of the action, non-compliance with the call conditions, submission of false information, failure to provide required information, breach of ethics or security rules (if applicable), etc.)
- (k) a beneficiary (or person having powers of representation, decision-making or control, or person essential for the award/implementation of the grant) has committed — in other EU grants awarded to it under similar conditions — systemic or recurrent errors, irregularities, fraud or serious breach of obligations that have a material impact on this grant (extension of findings; see Article 25.5)
- (l) despite a specific request by the granting authority, a beneficiary does not request — through the coordinator — an amendment to the Agreement to end the participation of one of its affiliated entities or associated partners that is in one of the situations under points (d), (f), (e), (g), (h), (i) or (j) and to reallocate its tasks, or
- (m) other:
 - (i) linked action issues: not applicable
 - (ii) additional GA termination grounds: not applicable.

32.3.2 Procedure

Before terminating the grant or participation of one or more beneficiaries, the granting authority will send a **pre-information letter** to the coordinator or beneficiary concerned:

- formally notifying the intention to terminate and the reasons why and
- requesting observations within 30 days of receiving notification.

If the granting authority does not receive observations or decides to pursue the procedure despite

the observations it has received, it will confirm the termination and the date it will take effect (**confirmation letter**). Otherwise, it will formally notify that the procedure is discontinued.

For beneficiary terminations, the granting authority will — at the end of the procedure — also inform the coordinator.

The termination will **take effect** the day after the confirmation notification is sent (or on a later date specified in the notification; ‘termination date’).

32.3.3 Effects

(a) for **GA termination**:

The coordinator must — within 60 days from when termination takes effect — submit a **periodic report** (for the last open reporting period until termination).

The granting authority will calculate the final grant amount and final payment on the basis of the report submitted and taking into account the lump sum contributions for activities implemented before termination takes effect (see Article 22). Partial lump sum contributions for work packages that were not completed (e.g. due to technical reasons) may exceptionally be taken into account.

If the grant is terminated for breach of the obligation to submit reports, the coordinator may not submit any report after termination.

If the granting authority does not receive the report within the deadline, only lump sum contributions which are included in an approved periodic report will be taken into account (no contributions if no periodic report was ever approved).

Termination does not affect the granting authority’s right to reduce the grant (see Article 28) or to impose administrative sanctions (see Article 34).

The beneficiaries may not claim damages due to termination by the granting authority (see Article 33).

After termination, the beneficiaries’ obligations (in particular Articles 13 (confidentiality and security), 16 (IPR), 17 (communication, dissemination and visibility), 21 (reporting), 25 (checks, reviews, audits and investigations), 26 (impact evaluation), 27 (rejections), 28 (grant reduction) and 41 (assignment of claims)) continue to apply.

(b) for **beneficiary termination**:

The coordinator must — within 60 days from when termination takes effect — submit:

- (i) a **report on the distribution of payments** to the beneficiary concerned
- (ii) a **termination report** from the beneficiary concerned, for the open reporting period until termination, containing an overview of the progress of the work
- (iii) a **request for amendment** (see Article 39) with any amendments needed (e.g. reallocation of the tasks and the estimated budget of the terminated beneficiary; addition of a new beneficiary to replace the terminated beneficiary; change of coordinator, etc.).

The granting authority will calculate the amount due to the beneficiary on the basis of the reports submitted in previous interim payments (i.e. beneficiary's lump sum contributions for completed and approved work packages).

Lump sum contributions for ongoing/not yet completed work packages will have to be included in the periodic report for the next reporting periods when those work packages have been completed.

If the granting authority does not receive the report on the distribution of payments within the deadline, it will consider that:

- the coordinator did not distribute any payment to the beneficiary concerned and that
- the beneficiary concerned must not repay any amount to the coordinator.

If the request for amendment is accepted by the granting authority, the Agreement is **amended** to introduce the necessary changes (see Article 39).

If the request for amendment is rejected by the granting authority (because it calls into question the decision awarding the grant or breaches the principle of equal treatment of applicants), the grant may be terminated (see Article 32).

After termination, the concerned beneficiary's obligations (in particular Articles 13 (confidentiality and security), 16 (IPR), 17 (communication, dissemination and visibility), 21 (reporting), 25 (checks, reviews, audits and investigations), 26 (impact evaluation), 27 (rejections), 28 (grant reduction) and 41 (assignment of claims)) continue to apply.

SECTION 3 OTHER CONSEQUENCES: DAMAGES AND ADMINISTRATIVE SANCTIONS

ARTICLE 33 — DAMAGES

33.1 Liability of the granting authority

The granting authority cannot be held liable for any damage caused to the beneficiaries or to third parties as a consequence of the implementation of the Agreement, including for gross negligence.

The granting authority cannot be held liable for any damage caused by any of the beneficiaries or other participants involved in the action, as a consequence of the implementation of the Agreement.

33.2 Liability of the beneficiaries

The beneficiaries must compensate the granting authority for any damage it sustains as a result of the implementation of the action or because the action was not implemented in full compliance with the Agreement, provided that it was caused by gross negligence or wilful act.

The liability does not extend to indirect or consequential losses or similar damage (such as loss of profit, loss of revenue or loss of contracts), provided such damage was not caused by wilful act or by a breach of confidentiality.

ARTICLE 34 — ADMINISTRATIVE SANCTIONS AND OTHER MEASURES

Nothing in this Agreement may be construed as preventing the adoption of administrative sanctions (i.e. exclusion from EU award procedures and/or financial penalties) or other public law measures, in addition or as an alternative to the contractual measures provided under this Agreement (see, for instance, Articles 135 to 145 EU Financial Regulation 2018/1046 and Articles 4 and 7 of Regulation 2988/95¹⁸).

SECTION 4 FORCE MAJEURE

ARTICLE 35 — FORCE MAJEURE

A party prevented by force majeure from fulfilling its obligations under the Agreement cannot be considered in breach of them.

‘Force majeure’ means any situation or event that:

- prevents either party from fulfilling their obligations under the Agreement,
- was unforeseeable, exceptional situation and beyond the parties’ control,
- was not due to error or negligence on their part (or on the part of other participants involved in the action), and
- proves to be inevitable in spite of exercising all due diligence.

Any situation constituting force majeure must be formally notified to the other party without delay, stating the nature, likely duration and foreseeable effects.

The parties must immediately take all the necessary steps to limit any damage due to force majeure and do their best to resume implementation of the action as soon as possible.

CHAPTER 6 FINAL PROVISIONS

ARTICLE 36 — COMMUNICATION BETWEEN THE PARTIES

36.1 Forms and means of communication — Electronic management

EU grants are managed fully electronically through the EU Funding & Tenders Portal (‘Portal’).

All communications must be made electronically through the Portal in accordance with the Portal Terms and Conditions and using the forms and templates provided there (except if explicitly instructed otherwise by the granting authority).

Communications must be made in writing and clearly identify the grant agreement (project number and acronym).

¹⁸ Council Regulation (EC, Euratom) No 2988/95 of 18 December 1995 on the protection of the European Communities financial interests (OJ L 312, 23.12.1995, p. 1).

Communications must be made by persons authorised according to the Portal Terms and Conditions. For naming the authorised persons, each beneficiary must have designated — before the signature of this Agreement — a ‘legal entity appointed representative (LEAR)’. The role and tasks of the LEAR are stipulated in their appointment letter (see Portal Terms and Conditions).

If the electronic exchange system is temporarily unavailable, instructions will be given on the Portal.

36.2 Date of communication

The sending date for communications made through the Portal will be the date and time of sending, as indicated by the time logs.

The receiving date for communications made through the Portal will be the date and time the communication is accessed, as indicated by the time logs. Formal notifications that have not been accessed within 10 days after sending, will be considered to have been accessed (see Portal Terms and Conditions).

If a communication is exceptionally made on paper (by e-mail or postal service), general principles apply (i.e. date of sending/receipt). Formal notifications by registered post with proof of delivery will be considered to have been received either on the delivery date registered by the postal service or the deadline for collection at the post office.

If the electronic exchange system is temporarily unavailable, the sending party cannot be considered in breach of its obligation to send a communication within a specified deadline.

36.3 Addresses for communication

The Portal can be accessed via the Europa website.

The address for paper communications to the granting authority (if exceptionally allowed) is the official mailing address indicated on its website.

For beneficiaries, it is the legal address specified in the Portal Participant Register.

ARTICLE 37 — INTERPRETATION OF THE AGREEMENT

The provisions in the Data Sheet take precedence over the rest of the Terms and Conditions of the Agreement.

Annex 5 takes precedence over the Terms and Conditions.

The Terms and Conditions take precedence over the Annexes other than Annex 5.

Annex 2 takes precedence over Annex 1.

ARTICLE 38 — CALCULATION OF PERIODS AND DEADLINES

In accordance with Regulation No 1182/71¹⁹, periods expressed in days, months or years are calculated from the moment the triggering event occurs.

¹⁹ Regulation (EEC, Euratom) No 1182/71 of the Council of 3 June 1971 determining the rules applicable to periods, dates and time-limits (OJ L 124, 8/6/1971, p. 1).

The day during which that event occurs is not considered as falling within the period.

‘Days’ means calendar days, not working days.

ARTICLE 39 — AMENDMENTS

39.1 Conditions

The Agreement may be amended, unless the amendment entails changes to the Agreement which would call into question the decision awarding the grant or breach the principle of equal treatment of applicants.

Amendments may be requested by any of the parties.

39.2 Procedure

The party requesting an amendment must submit a request for amendment signed directly in the Portal Amendment tool.

The coordinator submits and receives requests for amendment on behalf of the beneficiaries (see Annex 3). If a change of coordinator is requested without its agreement, the submission must be done by another beneficiary (acting on behalf of the other beneficiaries).

The request for amendment must include:

- the reasons why
- the appropriate supporting documents and
- for a change of coordinator without its agreement: the opinion of the coordinator (or proof that this opinion has been requested in writing).

The granting authority may request additional information.

If the party receiving the request agrees, it must sign the amendment in the tool within 45 days of receiving notification (or any additional information the granting authority has requested). If it does not agree, it must formally notify its disagreement within the same deadline. The deadline may be extended, if necessary for the assessment of the request. If no notification is received within the deadline, the request is considered to have been rejected.

An amendment **enters into force** on the day of the signature of the receiving party.

An amendment **takes effect** on the date of entry into force or other date specified in the amendment.

ARTICLE 40 — ACCESSION AND ADDITION OF NEW BENEFICIARIES

40.1 Accession of the beneficiaries mentioned in the Preamble

The beneficiaries which are not coordinator must accede to the grant by signing the accession form (see Annex 3) directly in the Portal Grant Preparation tool, within 30 days after the entry into force of the Agreement (see Article 44).

They will assume the rights and obligations under the Agreement with effect from the date of its entry into force (see Article 44).

If a beneficiary does not accede to the grant within the above deadline, the coordinator must — within 30 days — request an amendment (see Article 39) to terminate the beneficiary and make any changes necessary to ensure proper implementation of the action. This does not affect the granting authority's right to terminate the grant (see Article 32).

40.2 Addition of new beneficiaries

In justified cases, the beneficiaries may request the addition of a new beneficiary.

For this purpose, the coordinator must submit a request for amendment in accordance with Article 39. It must include an accession form (see Annex 3) signed by the new beneficiary directly in the Portal Amendment tool.

New beneficiaries will assume the rights and obligations under the Agreement with effect from the date of their accession specified in the accession form (see Annex 3).

Additions are also possible in mono-beneficiary grants.

ARTICLE 41 — TRANSFER OF THE AGREEMENT

In justified cases, the beneficiary of a mono-beneficiary grant may request the transfer of the grant to a new beneficiary, provided that this would not call into question the decision awarding the grant or breach the principle of equal treatment of applicants.

The beneficiary must submit a request for **amendment** (see Article 39), with

- the reasons why
- the accession form (see Annex 3) signed by the new beneficiary directly in the Portal Amendment tool and
- additional supporting documents (if required by the granting authority).

The new beneficiary will assume the rights and obligations under the Agreement with effect from the date of accession specified in the accession form (see Annex 3).

ARTICLE 42 — ASSIGNMENTS OF CLAIMS FOR PAYMENT AGAINST THE GRANTING AUTHORITY

The beneficiaries may not assign any of their claims for payment against the granting authority to any third party, except if expressly approved in writing by the granting authority on the basis of a reasoned, written request by the coordinator (on behalf of the beneficiary concerned).

If the granting authority has not accepted the assignment or if the terms of it are not observed, the assignment will have no effect on it.

In no circumstances will an assignment release the beneficiaries from their obligations towards the granting authority.

ARTICLE 43 — APPLICABLE LAW AND SETTLEMENT OF DISPUTES

43.1 Applicable law

The Agreement is governed by the applicable EU law, supplemented if necessary by the law of Belgium.

Special rules may apply for beneficiaries which are international organisations (if any; see Data Sheet, Point 5).

43.2 Dispute settlement

If a dispute concerns the interpretation, application or validity of the Agreement, the parties must bring action before the EU General Court — or, on appeal, the EU Court of Justice — under Article 272 of the Treaty on the Functioning of the EU (TFEU).

For non-EU beneficiaries (if any), such disputes must be brought before the courts of Brussels, Belgium — unless an international agreement provides for the enforceability of EU court judgements.

For beneficiaries with arbitration as special dispute settlement forum (if any; see Data Sheet, Point 5), the dispute will — in the absence of an amicable settlement — be settled in accordance with the Rules for Arbitration published on the Portal.

If a dispute concerns administrative sanctions, offsetting or an enforceable decision under Article 299 TFEU (see Articles 22 and 34), the beneficiaries must bring action before the General Court — or, on appeal, the Court of Justice — under Article 263 TFEU.

For grants where the granting authority is an EU executive agency (see Preamble), actions against offsetting and enforceable decisions must be brought against the European Commission (not against the granting authority; see also Article 22).

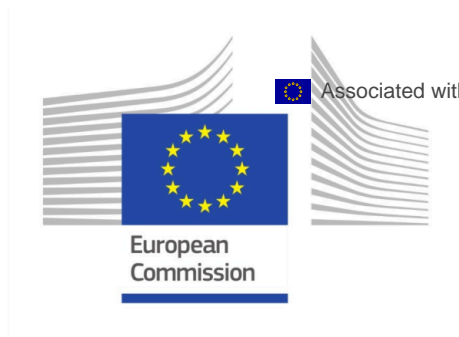
ARTICLE 44 — ENTRY INTO FORCE

The Agreement will enter into force on the day of signature by the granting authority or the coordinator, depending on which is later.

SIGNATURES

For the coordinator

For the granting authority



ANNEX 1



Erasmus+ Programme (ERASMUS)

Description of the action (DoA)

Part A

Part B

DESCRIPTION OF THE ACTION (PART A)

COVER PAGE

Part A of the Description of the Action (DoA) must be completed directly on the Portal Grant Preparation screens.

PROJECT	
<i>Grant Preparation (General Information screen) — Enter the info.</i>	
Project number:	101082928
Project name:	Students' Personalised Learning Model, Based on the Virtual Learning Environment of Intellectual Tutoring "Learning with No Limits"
Project acronym:	SMART-PL
Call:	ERASMUS-EDU-2022-CBHE
Topic:	ERASMUS-EDU-2022-CBHE-STRAND-2
Type of action:	ERASMUS-LS
Service:	EACEA/A/04
Project starting date:	fixed date: 1 January 2023
Project duration:	36 months

TABLE OF CONTENTS

Project summary	3
List of participants	3
List of work packages	5
Staff effort	14
List of deliverables	15
List of milestones (outputs/outcomes)	26
List of critical risks	28

PROJECT SUMMARY

Project summary

Grant Preparation (General Information screen) — Provide an overall description of your project (including context and overall objectives, planned activities and main achievements, and expected results and impacts (on target groups, change procedures, capacities, innovation etc)). This summary should give readers a clear idea of what your project is about.

Use the project summary from your proposal.

SMART-PL is a 3-year project, focused on introducing a model of personalised learning, based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits". Intellectual tutoring is a set of learning tools: SMART online platform for virtual personalised learning and formative student assessment; co-working centre with equipment for organising hybrid learning, which increases the educational process's efficiency and gives both teachers and students more opportunities. "Learning with No Limits" means that all students are welcomed - regardless of age, personality, socioeconomic status, or educational needs, regardless of the opportunity to be present in the audience or not.

The project is divided into 7 WPs which are linked to promoting the cooperation of partners to implement the European experience of personalised learning; improving educational programs of universities; increasing transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their professional expertise and forming their confidence to achieve efficient results; to improve the quality of teaching materials; to facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels); to create extra opportunities to get higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalised learning and hybrid technologies.

The fundamental principle of the project is a personalised approach aimed at forming a highly qualified competitive specialist who can conduct innovative activities and has the skills of continuous professional development.

The personalised approach is characterised by innovative teaching methods, designed to encourage collaboration between students and teachers, emphasising the central role of students in controlling their learning.

LIST OF PARTICIPANTS

PARTICIPANTS

Grant Preparation (Beneficiaries screen) — Enter the info.

Number	Role	Short name	Legal name	Country	PIC
1	COO	TalTech	TALLINNA TEHNIKAÜLIKOOL	EE	999842536
2	BEN	KU Leuven	KATHOLIEKE UNIVERSITEIT LEUVEN	BE	999991334
3	BEN	PWR	POLITECHNIKA WROCLAWSKA	PL	999845931
4	BEN	IFNUL	IVAN FRANKO NATIONAL UNIVERSITY OF LVIV	UA	967410489
5	BEN	KRNU	KRYVORIZKYJ NATIONALNYJ UNIVERSYTET	UA	967020452
6	BEN	KKNU	V. N. Karazin Kharkiv National University	UA	986260984
7	BEN	KHNU	KHMELNITSKY NATIONAL UNIVERSITY	UA	964860456
8	BEN	ONPU	ODESSA NATIONAL POLYTECHNIC UNIVERSITY	UA	984284027
9	BEN	IHE OF NAESU	INSTITUTE OF HIGHER EDUCATION OF THE NATIONAL ACADEMY OF EDUCATIONAL SCIENCES OF UKRAINE	UA	937417507
10	BEN	KSU	KHERSON STATE UNIVERSITY	UA	933283658

PARTICIPANTS*Grant Preparation (Beneficiaries screen) — Enter the info.*

Number	Role	Short name	Legal name	Country	PIC
11	BEN	NAHEQA	NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE	UA	914340916
12	AP	UKRSEITSOC	PUBLIC ORGANIZATION "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	UA	897162701
13	AP	FFUTURE	Kryvyi Rih Foundation of the Future	UA	887461634

LIST OF WORK PACKAGES

Work packages						
<i>Grant Preparation (Work Packages screen) — Enter the info.</i>						
Work Package No	Work Package name	Lead Beneficiary	Effort (Person-Months)	Start Month	End Month	Deliverables
WP1	Project Management	1 - TalTech	40.00	1	36	D1.1 – Kick-off meeting D1.2 – Consortium agreement
WP2	Development of methodological support for a model of personalized learning	9 - IHE OF NAESU	45.00	2	27	D2.1 – Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning D2.2 – Training in KU Leuven D2.3 – The internal regulations on the use of personalized learning D2.4 – “Competency-based personalized learning and formative assessment in the system of higher education quality assurance” training program D2.5 – Training in PWR
WP3	Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment	7 - KHNU	26.00	10	23	D3.1 – SMART-PL online platform D3.2 – “Opportunities of open educational platforms for students and teacher. Using of the informationdiagnostic online platform SMART for teachers and students” training program
WP4	Organization of University Co-working Centres «Learning with No Limits» at the each partner university	6 - KGNU	31.00	4	24	D4.1 – Co-working Centers «Learning with No Limits» D4.2 – Recommendations "Inclusion in the educational process of people with special educational needs" D4.3 – Consultations on inclusive education D4.4 – Cooperation agreement

Work packages						
<i>Grant Preparation (Work Packages screen) — Enter the info.</i>						
Work Package No	Work Package name	Lead Beneficiary	Effort (Person-Months)	Start Month	End Month	Deliverables
WP5	Practical approbation of the model of personalized learning and intellectual tutoring	3 - PWR	53.00	15	36	D5.1 – Internal trainings for Teachers on personalized learning and the use of the SMART platform D5.2 – Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform
WP6	Quality Assurance	2 - KU Leuven	14.00	1	36	D6.1 – Quality Assurance Plan D6.2 – Project Manual
WP7	Dissemination	4 - IFNUL	38.00	1	36	D7.1 – Project logo and promotional documentation templates D7.2 – Set of online PR resources D7.3 – Electronic book «Manuals on competence-related personalized education» D7.4 – Joint scientific papers D7.5 – Final conference D7.6 – Electronic book «Opportunities of open educational platforms for students and teachers»

Work package WP1 – Project Management

Work Package Number	WP1	Lead Beneficiary	1. TalTech
Work Package Name	Project Management		
Start Month	1	End Month	36

Objectives
<p>Effective management of human, financial and material resources in the face of restrictions on the cost and time of project execution.</p> <p>Provide a mechanism for the interaction of all project participants and stakeholders, including employers, the public and regulatory authorities, to create a project result.</p>

Description
<p>T.1.1. Kick-off meeting Organization and holding of a kick-off meeting of the project team by the Project Coordinator. Representatives of each participating team represent their university and describe their experience of participating in EU grant projects in this area. The project coordinator presents the project work plan, expected results, preliminary quality plan, and communication strategy to the team and stakeholder representatives.</p> <p>T.1.2. Grant Agreement, Partnership agreements and other documentation signing This task begins before the official launch of the project - immediately after the announcement of the results of the competition. Preparation of a template and approval of the form of the Grant Agreement, the Partnership Agreement between the project participants. Signing of agreements by all legal representatives of the project participants</p> <p>T.1.3. Project Manager Board establishing Each University determines 2 representatives - the University coordinator and the project contact manager. At the online meeting with the project coordinator, the full list of such participants is approved, which is Project Manager Board. Further, all decisions on the project will be made by Project Manager Board</p> <p>T.1.4. Following up the project progress, corrective actions. Working meetings of Project Manager Board</p> <p>T.1.5. Current project reporting, monitoring Preparation of current project reports, preparation for preventive monitoring</p> <p>T.1.6. Final reports Preparation of all final documentation for the project, preparation and participation in the final monitoring of the project</p>

Work package WP2 – Development of methodological support for a model of personalized learning

Work Package Number	WP2	Lead Beneficiary	9. IHE OF NAESU
Work Package Name	Development of methodological support for a model of personalized learning		
Start Month	2	End Month	27

Objectives
<p>Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results.</p>

Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials. Ensure a feedback on students', teachers' and administration's efficiency.

Description

T.2.1. Benchmarking of the best European practice of personalized learning

Organization and monitoring of the practices of using personalized learning at European Universities.

At the same time, the Partner Countries Universities will conduct internal surveys about the needs of students, about the existing practice of personalized learning. As a result, European and Partner Countries' Universities experience will be summarized, gapanalyze will be conducted, directions and areas for improvement will be identified.

As a result of benchmarking, a report will be prepared, which, in turn, will be presented during an online meeting for project participants and stakeholders

T.2.2. Retraining of Partner Countries universities staff by EU specialists

«Best European practice of personalized learning, methodological and technical support for its implementation»

Organization of 2 retrainings events on the basis of KULeuven and Wroclaw University of Technical Sciences for teaching staff from Partner Countries Universities (3X2 persons from each University)

T.2.3. Formation of shared policy of personalized learning for participant universities, based on the recommendations of European partners

Based on the information obtained as a result of benchmarking, as well as on new knowledge and skills obtained as a result of retrainings, representatives of Partner Countries Universities develop a common policy for personalized students' learning, which will form the basis of a new approach

T.2.4. Developing a mechanism of measuring academic success, acquiring knowledge and skills in the framework of personalized learning approach

representatives of Partner countries Universities develop methodological recommendations for assessment, measurement of academic achievement, acquisition of knowledge and skills, including the sequence of assessment stages (when, what and how to assess) to determine the progress of students in achieving learning outcomes.

T.2.5. Development of a training program “Competency-based personalized

learning and formative assessment in the system of higher education quality assurance”

Representatives of Partner Countries Universities of with the support of the EU Universities jointly develop a common training program “Competency-based personalized learning and formative assessment in the system of higher education quality assurance”. Further, each Partner countries university adapts the training to the intra-university conditions.

T.2.6. Developing standard documents of implementing a model of personalized learning into practices of University-partners.
Each Partner Countries University develops a model of personalized learning, and also improves the internal University position on the individual trajectory of student learning based on the results of the project.

Work package WP3 – Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment

Work Package Number	WP3	Lead Beneficiary	7. KHNU
Work Package Name	Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment		
Start Month	10	End Month	23

Objectives

Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results.
Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.

Description

T.3.1. Development a sitemap and system framework
Joint preparation of terms of reference for the online platform. Selection of the underlying open source platform for development

T.3.2. Development of a module for evaluating the basic level of competencies and assessing the progress of learning
Software development and testing of the module for evaluating the basic level of competencies and assessing the progress of studying the discipline.

T.3.3. Development of a module for constructing a "personalized educational diagram" of a student for the formation of an individual learning path
Software development and testing of the module for constructing a "personalized educational diagram" of a student for the formation of an individual learning path

T.3.4. Development of resources for filling and sharing information
Software development and testing of the functionality for filling and exchanging information within the platform

T.3.5. Development of resources for communication and feedback
Software development and testing of the module for communication between teachers and students and the formation of feedback

T.3.6. Development of a policy for sharing the SMART platform by project participants
Development and approval of documentation for the use of the platform.
Joint development by team members of principles and policies for platform sharing at Program Countries Universities

T.3.7. Development of training program: "Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students"
The training is developed in the language of instruction in each partner country-participant, and also translated into English.

Work package WP4 – Organization of University Co-working Centres «Learning with No Limits» at the each partner university

Work Package Number	WP4	Lead Beneficiary	6. KKNU
Work Package Name	Organization of University Co-working Centres «Learning with No Limits» at the each partner university		
Start Month	4	End Month	24

Objectives
<p>Enhance student's motivation to learning through applying the by-the-learner approach and create conditions to meet students' individual needs associated with differentiation and personalization of academic trajectories.</p> <p>Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.</p> <p>Facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits.</p> <p>Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture</p>

Description
<p>T. 4.1. Organization of University Coworking Centres «Learning with No Limits» at each partner university A co-working center for students and teachers will be created at each Partner Country University within the framework of education quality assurance departments.</p> <p>T.4.2. Purchasing of equipment, including hardware and software for hybrid learning at PC universities Joint compilation and justification by representatives of PC Universities of the list of necessary equipment for co-working Centers. Rationale for Purchasing Equipment for Students with Special Needs</p> <p>T.4.3. Development of a roadmap for the development and use of centres Each PC University, in accordance with the internal development Strategy and priorities, develops a roadmap for the development of the co-working Center</p> <p>T.4.4. Development of methodological recommendations "Inclusion in the educational process of people with special educational needs" Each university independently adapts these recommendations in accordance with the possibilities to organize the educational process for students with special educational needs.</p> <p>T.4.5. Conducting internal consultations (workshops) for administrative and teaching staff in a hybrid mode Participants of Partner Country Universities who have undergone retraining at EU Universities and participated in the development of recommendations will organize internal consultations on the basis of coworking centers for administrative and teaching staff in hybrid format.</p> <p>T.4.6. Signing of cooperation agreements between universities and external stakeholders Project team members (Project management board) carry out organizational work to sign bilateral agreements on promising creative, scientific, project cooperation between the EU and PC Universities, between universities and non-academic project participants, as well as other stakeholders outside the project.</p>

Work package WP5 – Practical approbation of the model of personalized learning and intellectual tutoring

Work Package Number	WP5	Lead Beneficiary	3. PWR
Work Package Name	Practical approbation of the model of personalized learning and intellectual tutoring		
Start Month	15	End Month	36

Objectives
<p>Enhance student's motivation to learning through applying the by-the-learner approach and create conditions to meet students' individual needs associated with differentiation and personalization of academic trajectories.</p> <p>Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results.</p> <p>Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials.</p> <p>Enhance interaction of all the interested parties including employers, the community and controlling bodies (the Ministry of Education and Science of Ukraine, the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies.</p> <p>Ensure a feedback on students', teachers' and administration's efficiency.</p>

Description
<p>T.5.1. Establishment of interuniversity teaching groups to develop pilot training courses Within the PC of Universities, open competitions are organized to select university staff who will adapt the teaching materials of their disciplines to apply the personalized learning methodology developed by the project team.</p> <p>T.5.2. Conducting trainings for selected teachers in a hybrid mode. Within each PC of the University, team members who were previously retrained at EU Universities conduct trainings for teachers, selected on a competitive basis on the application of the personalized learning methodology, as well as the use of the online SMART platform developed in the project.</p> <p>T.5.3. Adaptation of pilot course materials for use on the SMART platform Each teacher for 1 discipline adapts and supplements educational materials in order to upload them to the database of the online platform (structuring the content of the discipline, developing an assessment scale, developing tests and additional tasks)</p> <p>T.5.4. Testing of pilot courses using the SMART platform at each partner university during one semester. During the semester, each teacher organizes the teaching of his/her discipline, based on the methodology of personalized learning and actively uses the online SMART platform</p> <p>T.5.5. Questionnaire of students and teachers of pilot courses Representatives of the PC Universities jointly develop questionnaires for students and teachers about the experience of using personalized learning and the online platform.</p> <p>T.5.6. Analysis of the effectiveness and evaluation of the quality of the use of the platform and the model of personalized learning and recommendations for improvement Formation of a general report on the effectiveness or problems of personalized learning approach implementation and the online SMART platform implementation</p>

Work package WP6 – Quality Assurance

Work Package Number	WP6	Lead Beneficiary	2. KU Leuven
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Work Package Name	Quality Assurance		
Start Month	1	End Month	36

Objectives
<p>Enhance interaction of all the interested parties including employers, the community and controlling bodies (the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies.</p> <p>Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture.</p>

Description
<p>T.6.1. Establish Quality Assurance and Monitoring Team The QAMT will develop the Project Quality Assurance plan (PQAP), which will be approved by the MC in the beginning of the project.</p> <p>T.6.2. Quality Assurance plan with milestones The QAMT will develop the Project Quality Assurance plan (PQAP), which will be approved by the Project Management Board in the beginning of the project QAP will be used for the monitoring activities and periodic review of the project and its outputs.</p> <p>T.6.3. Development of a Project Manual A Project Manual is created, procedures and communication inside and outside project are confirmed, and a reporting system is established.</p> <p>T.6.4. Quality Assurance setup, assessment and monitoring Quality assessment and monitoring will be arranged internally and also by external experts. Includes internal and external QA processes.</p>

Work package WP7 – Dissemination

Work Package Number	WP7	Lead Beneficiary	4. IFNUL
Work Package Name	Dissemination		
Start Month	1	End Month	36

Objectives
<p>Facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits.</p> <p>Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture.</p>

Description
<p>T.7.1. Information/promotional materials</p> <ul style="list-style-type: none"> - Development a project logo. - Posters allocated in the premises, where equipment/software is installed and where teaching activities take place (Partner Countries universities) - Project leaflets issues - Printing of advertizing products -Distribution of promotional materials including

TV and radio advertising.

T.7.2. Project Web Portal and social media

- Design of Web Portal platform and regular updating portal information (all partners)
- Project participants will regular update their portals with actual information;
- Regular publications about the project and conducted studies and questionnaires at partners' websites.

User groups will be created at social networks in LinkedIn, Facebook, etc.

T.7.3. Dissemination and Exploitation Plan development

The responsible University develops a template for the Dissemination and Exploitation Plan. This template is considered and discussed by the representatives of the Project Management Board, a decision is made to accept the template.

T.7.4. Universities' preparing 2 electronic books «Manuals on competencerelated personalized education», «Opportunities of open educational platforms for students and teacher»

The project participants jointly develop methodological recommendations in the format of electronic books on the application of the methodology of personalized learning and the adaptation of standard educational and methodological support of disciplines to the application of this approach.

T.7.5. Scientific publications on digital learning , personalized learning and lifelong learning issues and project results

The project participants jointly develop methodological recommendations in the format of electronic books on the application of the methodology of personalized learning and the adaptation of standard educational and methodological support of disciplines to the application of this approach

T.7.6. Organization of the final conference on digital learning, personalized learning and lifelong learning issues

Organization of Final conference for project outputs evaluation and promotion for stakeholders (students, education authorities and the industry representatives)

T.7.7. Hosting and maintenance of Web Portal and SMART platform beyond the project

Agreements between HEIs responsible for hosting and maintenance of SMART-platforms and the other partners beyond the project. Planning of the budget for hosting and maintenance of SMART platform and Web Portal beyond the project.

STAFF EFFORT

Staff effort per participant								
<i>Grant Preparation (Work packages - Effort screen) — Enter the info.</i>								
Participant	WP1	WP2	WP3	WP4	WP5	WP6	WP7	Total Person-Months
1 - TalTech	4.00	3.00	2.00	2.00	2.00	2.00	2.00	17.00
2 - KU Leuven	2.00	1.00	1.00	1.00	1.00	2.00	1.00	9.00
3 - PWR	4.00	4.00	2.00	2.00	4.00	2.00	5.00	23.00
4 - IFNUL	4.00	5.00	2.00	4.00	7.00	1.00	4.00	27.00
5 - KRNU	4.00	5.00	2.00	4.00	7.00	1.00	4.00	27.00
6 - KGNU	4.00	5.00	2.00	5.00	7.00	1.00	4.00	28.00
7 - KHNU	4.00	5.00	9.00	4.00	7.00	1.00	4.00	34.00
8 - ONPU	4.00	5.00	2.00	4.00	7.00	1.00	4.00	27.00
9 - IHE OF NAESU	4.00	6.00	2.00	1.00	3.00	1.00	4.00	21.00
10 - KSU	4.00	5.00	2.00	4.00	7.00	1.00	4.00	27.00
11 - NAHEQA	2.00	1.00			1.00	1.00	2.00	7.00
Total Person-Months	40.00	45.00	26.00	31.00	53.00	14.00	38.00	247.00

LIST OF DELIVERABLES

Deliverables						
<i>Grant Preparation (Deliverables screen) — Enter the info.</i>						
<i>The labels used mean:</i>						
<i>Public — fully open (🚩 automatically posted online)</i>						
<i>Sensitive — limited under the conditions of the Grant Agreement</i>						
<i>EU classified —RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision 2015/444</i>						
Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month)
D1.1	Kick-off meeting	WP1	1 - TalTech	R — Document, report	SEN - Sensitive	1
D1.2	Consortium agreement	WP1	1 - TalTech	R — Document, report	SEN - Sensitive	6
D2.1	Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning	WP2	9 - IHE OF NAESU	R — Document, report	PU - Public	5
D2.2	Traning in KU Leuven	WP2	2 - KU Leuven	DEC —Websites, patent filings, videos, etc	SEN - Sensitive	7
D2.3	The internal regulations on the use of personalized learning	WP2	11 - NAHEQA	R — Document, report	SEN - Sensitive	15
D2.4	“Competency-based personalized learning and formative assessment in the system of higher education quality assurance” training program	WP2	9 - IHE OF NAESU	R — Document, report	PU - Public	14
D2.5	Tranining in PWR	WP2	3 - PWR	DEC —Websites, patent filings, videos, etc	SEN - Sensitive	7
D3.1	SMART-PL online platform	WP3	7 - KHNU	DEC —Websites, patent filings, videos, etc	PU - Public	20
D3.2	“Opportunities of open educational	WP3	7 - KHNU	R — Document, report	PU - Public	23

Deliverables						
<i>Grant Preparation (Deliverables screen) — Enter the info.</i>						
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Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month)
	platforms for students and teacher. Using of the informationdiagnostic online platform SMART for teachers and students” training program					
D4.1	Co-working Centers «Learning with No Limits”	WP4	4 - IFNUL	DEM — Demonstrator, pilot, prototype	PU - Public	18
D4.2	Recommendations "Inclusion in the educational process of people with special educational needs"	WP4	9 - IHE OF NAESU	R — Document, report	PU - Public	15
D4.3	Consultations on inclusive education	WP4	11 - NAHEQA	R — Document, report	SEN - Sensitive	24
D4.4	Cooperation agreement	WP4	5 - KRNU	R — Document, report	SEN - Sensitive	24
D5.1	Internal trainings for Teachers on personalized learning and the use of the SMART platform	WP5	4 - IFNUL	R — Document, report	SEN - Sensitive	17
D5.2	Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform	WP5	3 - PWR	DEM — Demonstrator, pilot, prototype	PU - Public	30
D6.1	Quality Assurance Plan	WP6	2 - KU Leuven	R — Document, report	PU - Public	7
D6.2	Project Manual	WP6	1 - TalTech	R — Document, report	PU - Public	7
D7.1	Project logo and promotional documentation templates	WP7	6 - KKNU	DEM — Demonstrator, pilot, prototype	PU - Public	3

Deliverables

Grant Preparation (Deliverables screen) — Enter the info.

The labels used mean:

Public — fully open ( automatically posted online)

Sensitive — limited under the conditions of the Grant Agreement

EU classified — RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision [2015/444](#)

Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month)
D7.2	Set of online PR resources	WP7	1 - TalTech	DEC — Websites, patent filings, videos, etc	PU - Public	3
D7.3	Electronic book «Manuals on competence-related personalized education»	WP7	11 - NAHEQA	R — Document, report	PU - Public	25
D7.4	Joint scientific papers	WP7	10 - KSU	R — Document, report	PU - Public	34
D7.5	Final conference	WP7	4 - IFNUL	DEC — Websites, patent filings, videos, etc	PU - Public	35
D7.6	Electronic book «Opportunities of open educational platforms for students and teachers»	WP7	8 - ONPU	R — Document, report	PU - Public	25

Deliverable D1.1 – Kick-off meeting

Deliverable Number	D1.1	Lead Beneficiary	1. TalTech
Deliverable Name	Kick-off meeting		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	1	Work Package No	WP1

Description			
<p>The kick-off meeting is the first important dissemination event. There is a presentation and acquaintance of all participants of the consortium. (Coordinator, Beneficiaries, Associated partners) Representatives of stakeholders are involved in the meeting. Participants post news on social networks and reports on the event 18 off-line participants English language</p>			

Deliverable D1.2 – Consortium agreement

Deliverable Number	D1.2	Lead Beneficiary	1. TalTech
Deliverable Name	Consortium agreement		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	6	Work Package No	WP1

Description			
Consortium agreement signed with all consortium partners			

Deliverable D2.1 – Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning

Deliverable Number	D2.1	Lead Beneficiary	9. IHE OF NAESU
Deliverable Name	Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	5	Work Package No	WP2

Description			
<p>A report on benchmarking was prepared and published on the websites of universities and the web portal of the project,</p>			

presentations were
published
English, Ukrainian

Deliverable D2.2 – Training in KU Leuven

Deliverable Number	D2.2	Lead Beneficiary	2. KU Leuven
Deliverable Name	Training in KU Leuven		
Type	DEC — Websites, patent filings, videos, etc	Dissemination Level	SEN - Sensitive
Due Date (month)	7	Work Package No	WP2

Description

3 x 7 teachers from UA universities take part in retraining in KuLeuven

English language

Deliverable D2.3 – The internal regulations on the use of personalized learning

Deliverable Number	D2.3	Lead Beneficiary	11. NAHEQA
Deliverable Name	The internal regulations on the use of personalized learning		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	15	Work Package No	WP2

Description

Internal regulations in 6 UA universities are approved by Universities' authorities
Regulations are published in Universities' official websites
Ukrainian language

Deliverable D2.4 – “Competency-based personalized learning and formative assessment in the system of higher education quality assurance” training program

Deliverable Number	D2.4	Lead Beneficiary	9. IHE OF NAESU
Deliverable Name	“Competency-based personalized learning and formative assessment in the system of higher education quality assurance” training program		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	14	Work Package No	WP2

Description

Working program of the training

Presentation materials,
training scripts in the public
domain for all members of
the consortium
Ukrainian language

Deliverable D2.5 – Training in PWR

Deliverable Number	D2.5	Lead Beneficiary	3. PWR
Deliverable Name	Training in PWR		
Type	DEC —Websites, patent filings, videos, etc	Dissemination Level	SEN - Sensitive
Due Date (month)	7	Work Package No	WP2

Description

3 x 7 teachers from UA universities take part in retraining in Politechnika Wroclawska

Deliverable D3.1 – SMART-PL online platform

Deliverable Number	D3.1	Lead Beneficiary	7. KHNU
Deliverable Name	SMART-PL online platform		
Type	DEC —Websites, patent filings, videos, etc	Dissemination Level	PU - Public
Due Date (month)	20	Work Package No	WP3

Description

SMART - online platform is fully developed, ready for use. Accompanying technical documents (instructions for use) are ready for distribution among the consortium participants and outside the project
Ukrainian, English

Deliverable D3.2 – “Opportunities of open educational platforms for students and teacher. Using of the information diagnostic online platform SMART for teachers and students” training program

Deliverable Number	D3.2	Lead Beneficiary	7. KHNU
Deliverable Name	“Opportunities of open educational platforms for students and teacher. Using of the information diagnostic online platform SMART for teachers and students” training program		

Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	23	Work Package No	WP3

Description
Working program of the training Presentation materials, training scripts in the public domain for all members of the consortium Ukrainian language

Deliverable D4.1 – Co-working Centers «Learning with No Limits»

Deliverable Number	D4.1	Lead Beneficiary	4. IFNUL
Deliverable Name	Co-working Centers «Learning with No Limits»		
Type	DEM — Demonstrator, pilot, prototype	Dissemination Level	PU - Public
Due Date (month)	18	Work Package No	WP4

Description
The centers are organized in 6 Ukrainian partner universities. Purchased equipment has been installed in the centers. Ceremonial openings of the centers were held. News about the opening is posted on the official website of the project, on the websites of Universities, in social networks, in local media. Ukrainian, English

Deliverable D4.2 – Recommendations "Inclusion in the educational process of people with special educational needs"

Deliverable Number	D4.2	Lead Beneficiary	9. IHE OF NAESU
Deliverable Name	Recommendations "Inclusion in the educational process of people with special educational needs"		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	15	Work Package No	WP4

Description
Methodological recommendations are approved by the leadership of 6 Ukrainian universities.

Published on the websites of universities and are in the public domain
Ukrainian

Deliverable D4.3 – Consultations on inclusive education

Deliverable Number	D4.3	Lead Beneficiary	11. NAHEQA
Deliverable Name	Consultations on inclusive education		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	24	Work Package No	WP4

Description

Consultations on inclusive education were held for administrative and teaching staff (in a hybrid format) on the basis of co-working centers. 5 representatives of the administration and 5 teachers from 6 Ukrainian universities took part in the consultation in a hybrid format
Ukrainian, English

Deliverable D4.4 – Cooperation agreement

Deliverable Number	D4.4	Lead Beneficiary	5. KRNU
Deliverable Name	Cooperation agreement		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	24	Work Package No	WP4

Description

Agreements on creative cooperation were signed between universities - participants of the consortium

Deliverable D5.1 – Internal trainings for Teachers on personalized learning and the use of the SMART platform

Deliverable Number	D5.1	Lead Beneficiary	4. IFNUL
Deliverable Name	Internal trainings for Teachers on personalized learning and the use of the SMART platform		
Type	R — Document, report	Dissemination Level	SEN - Sensitive
Due Date (month)	17	Work Package No	WP5

Description

10 teachers from each of the 6 academic universities completed 2 trainings "Applications of personalized learning.." and "Applications of the SMART platform.." Hybrid format
Ukrainian

Deliverable D5.2 – Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform

Deliverable Number	D5.2	Lead Beneficiary	3. PWR
Deliverable Name	Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform		
Type	DEM — Demonstrator, pilot, prototype	Dissemination Level	PU - Public
Due Date (month)	30	Work Package No	WP5

Description
60 disciplines are adapted to the conditions of application of the personalized approach. On average, 800 students from universities - members of the consortium were trained. No accreditation needed for all disciplines. Ukrainain

Deliverable D6.1 – Quality Assurance Plan

Deliverable Number	D6.1	Lead Beneficiary	2. KU Leuven
Deliverable Name	Quality Assurance Plan		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	7	Work Package No	WP6

Description
Quality Assurance Plan developed and published in e-format English language

Deliverable D6.2 – Project Manual

Deliverable Number	D6.2	Lead Beneficiary	1. TalTech
Deliverable Name	Project Manual		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	7	Work Package No	WP6

Description
Project manual developed and published in e-format English language

Deliverable D7.1 – Project logo and promotional documentation templates

Deliverable Number	D7.1	Lead Beneficiary	6. KKNU
Deliverable Name	Project logo and promotional documentation templates		
Type	DEM — Demonstrator, pilot, prototype	Dissemination Level	PU - Public
Due Date (month)	3	Work Package No	WP7

Description			
Project logo jointly prepared and approved Prepared e-information brochure templates e-format English			

Deliverable D7.2 – Set of online PR resources

Deliverable Number	D7.2	Lead Beneficiary	1. TalTech
Deliverable Name	Set of online PR resources		
Type	DEC — Websites, patent filings, videos, etc	Dissemination Level	PU - Public
Due Date (month)	3	Work Package No	WP7

Description			
Official website of the project Official FB page of the project Project page on the official website of each project beneficiary English, Ukrainian			

Deliverable D7.3 – Electronic book «Manuals on competence-related personalized education»

Deliverable Number	D7.3	Lead Beneficiary	11. NAHEQA
Deliverable Name	Electronic book «Manuals on competence-related personalized education»		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	25	Work Package No	WP7

Description			
E-book is developed and publishing in Ukrainian			

Deliverable D7.4 – Joint scientific papers

Deliverable Number	D7.4	Lead Beneficiary	10. KSU
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Deliverable Name	Joint scientific papers		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	34	Work Package No	WP7

Description
Each academic university of Ukraine prepares at least 1 article for publication in reputable journals

Deliverable D7.5 – Final conference

Deliverable Number	D7.5	Lead Beneficiary	4. IFNUL
Deliverable Name	Final conference		
Type	DEC —Websites, patent filings, videos, etc	Dissemination Level	PU - Public
Due Date (month)	35	Work Package No	WP7

Description
The final conference on personalized learning, innovation, inclusion, and the use of information technology in education is the final event of the project. An important dissemination event, which will be attended by representatives of the project participants, associated partners and stakeholders

Deliverable D7.6 – Electronic book «Opportunities of open educational platforms for students and teachers»

Deliverable Number	D7.6	Lead Beneficiary	8. ONPU
Deliverable Name	Electronic book «Opportunities of open educational platforms for students and teachers»		
Type	R — Document, report	Dissemination Level	PU - Public
Due Date (month)	25	Work Package No	WP7

Description
Electronic book «Opportunities of open educational platforms for students and teacher» is developed and published in Ukrainian

LIST OF MILESTONES

Milestones					
<i>Grant Preparation (Milestones screen) — Enter the info.</i>					
Milestone No	Milestone Name	Work Package No	Lead Beneficiary	Means of Verification	Due Date (month)
1	Kick-off meeting	WP1	1-TalTech	Report on the meeting, List of presence video recording, presentations of project participants	1
2	Grant Agreement and Partnership Ageements signed	WP1	1-TalTech	Signed agreements and orders	4
3	Preventive monitoring	WP1	1-TalTech	Official report, presentations of team members and recommendations of the National Erasmus Office	10
4	Final Reports	WP1	1-TalTech	Reports are developed and submitted	36
5	Benchmarking of best practices of personalized learning	WP2	9-IHE OF NAESU	The information received from the European partners is exhaustive in order to draw a conclusion about the practices of personalized learning.	5
6	Retraining in EU Universities	WP2	2-KU Leuven	Reports about retraining, certificates for participants	7
7	Internal documentation developed : policy of personalized learning and mechanism	WP2	11-NAHEQA	Approved policy of personalised learning in each University Approved methodical recomendations for measuring academic success, acquiring knowledge and skills in the framework of personalized learning approach	15
8	Training Competency-based personalized learning and formative assessment in the system of higher education quality assurance” developed	WP2	9-IHE OF NAESU	Approved training program, presentation materials	14
9	The terms of reference for the development	WP3	1-TalTech	Terms of Reference approved by the project Coordinator	11

Milestones					
<i>Grant Preparation (Milestones screen) — Enter the info.</i>					
Milestone No	Milestone Name	Work Package No	Lead Beneficiary	Means of Verification	Due Date (month)
	of SMART online platform for personalized learning have been agreed				
10	SMART online platform has been developed	WP3	7-KHNU	Online-platform is ready to use	19
11	Accompanying technical documentation and materials for sharing and distribution of the learning platform outside the project are ready	WP3	7-KHNU	Accompanying documentation published in the public domain	20
12	Training “Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” has been developed	WP3	7-KHNU	Training program and presentation material	23
13	The purchase of equipment for the centers has been completed. Equipment handed over to universities of partner countries	WP4	4-IFNUL	The equipment is put on the balance of each University Grand opening of co-working Centers «Learning with No Limits»	13
14	Recommendations have been developed for the inclusion in the educational process of students with fewer opportunities and special educational needs.	WP4	9-IHE OF NAESU	Methodical recommendations approved by the Manadement of Partner Countries Universities Consultation Reports e-format Ukrainain	21
15	Selected teachers were trained within their University	WP5	4-IFNUL	List of participants, certificates Reports in each Partner country University	17
16	According to the list of pilot disciplines approved by the institutional manager of the project, materials for personalized learning were adapted and uploaded to the platform database	WP5	3-PWR	Information and study materials for all selected disciplines are uploaded to the online platform	24
17	An assessment of the implementation of a personalized learning approach based on the developed software was made	WP5	8-ONPU	Questionnaires filled out by students and teachers. Progress Report The project coordinator	36

Milestones					
<i>Grant Preparation (Milestones screen) — Enter the info.</i>					
Milestone No	Milestone Name	Work Package No	Lead Beneficiary	Means of Verification	Due Date (month)
				prepares a consolidated report for all universities from partner countries	
18	Quality assurance plan developed and approved by Project Coordinator	WP6	2-KU Leuven	Approved Quality Assurance Plan	7
19	Dissemination and exploitation plan developed	WP7	1-TalTech	Approved Quality Assurance Plan	4
20	E-books developed	WP7	11-NAHEQA	2 e-books published	25
21	Final Conference	WP7	4-IFNUL	Collection of abstracts of the conference	35

LIST OF CRITICAL RISKS

Critical risks & risk management strategy				
<i>Grant Preparation (Critical Risks screen) — Enter the info.</i>				
Risk number	Description	Work Package No(s)	Proposed Mitigation Measures	
1	Degradation of socio-economic state in Ukraine, spoiling of relationships with EU countries, etc.	WP1, WP6, WP2, WP7, WP4, WP3, WP5	Does not depend on the participants, but on the international commitment of the Ukrainian government allows to implement the project.	
2	Misunderstanding of the project objectives between project members and stakeholders.	WP1, WP6, WP2, WP7, WP4, WP3, WP5	All actions will be carried out on the basis of the developed plan for the implementation of the project. Mechanisms for communication of partners will be communicated to all participants at the first meeting and presented in the project	

Critical risks & risk management strategy			
<i>Grant Preparation (Critical Risks screen) — Enter the info.</i>			
Risk number	Description	Work Package No(s)	Proposed Mitigation Measures
			policy.
3	Lack of EU language skills in PCs university' target groups	WP2	Will be minimized by use of the English language as the main communication tool. Also selection of relevant persons from target groups with good English skill is recommended.
4	Unconformity / incompatibility of teaching / learning approaches (curricula, educational programs, didactic materials, etc.) and equipment/ tools in the partners' universities.	WP3	The personalized learning model being developed in the project will make it possible to adapt all courses to the possibility of being used in the system «SMART-PL» This model will be used in pilot educational courses, and further expanded in use.
5	Reluctance of teachers who are not directly included in the project team to do extra work	WP4	The project implementation process will be supervised by university management. An additional motivation factor will be foreign internships and advanced training programs within the project.
6	Acquisition of equipment and soft for Centers «Learning with No Limits» will be made timely despite the bureaucracy and delay of the tendering process.	WP5	Tender processes is under the control of university management; a project implementation plan provides for a temporary reserve to coordinate bureaucratic problems
7	Irrelevant statistics, poor quality assessment methodology	WP6	Involvement of highly qualified specialists at all stages of work, advanced European methods of external and internal assessment, use of the experience of the team members in conducting various types of assessments.
8	Lack of public interest, poor media coverage.	WP7	Use of effective tools for communication and dissemination of results. Cooperation with public organizations that will disseminate the results of

Critical risks & risk management strategy			
<i>Grant Preparation (Critical Risks screen) — Enter the info.</i>			
Risk number	Description	Work Package No(s)	Proposed Mitigation Measures
			the project after its completion.
9	War in Ukraine	WP1, WP6, WP2, WP7, WP4, WP3, WP5	In order to reduce risk, it is foreseen that project activities can be carried out in online mode; also, project teams are organised with flexibility and interchangeability of team members in mind.



ANNEX 1



Erasmus+ Programme (ERASMUS)

Description of the action (DoA) *[for FPAs: Action plan]*

Part A
Part B

Version 1.0
25 February 2021



IMPORTANT NOTICE

What is the Description of the Action (DoA)?


The Description of the Action (DoA) is the Annex of the Grant Agreement which contains the details of how the project will be carried out. For EU framework partnerships for grants (FPAs) this Annex is called Action Plan.

It consists of 2 parts, which must be generated from the submitted proposal:

- Part A contains structured tables with project information
- Part B is a narrative description on the work to be carried out.

Part A is generated by the IT system. It is based on the information which you enter into the Portal Grant Preparation screens.

Part (+ annexes) must be uploaded on the Grant Preparation Documents screen.

 Make sure that Part B is synchronised with the information entered into the screens. Make sure that any changes are agreed with us.

DESCRIPTION OF THE ACTION (PART A) *[for FPAs: ACTION PLAN (PART A)]*

COVER PAGE

Part A of the Description of the Action (DoA) must be completed directly on the Portal Grant Preparation screens.

PROJECT	
<i>Grant Preparation (General Information screen) — Enter the info.</i>	
Project number:	101082928
Project name:	Students' Personalized Learning Model, Based on the Virtual Learning Environment of Intellectual Tutoring "Learning with No Limits"
Project acronym:	SMART-PL
Call:	ERASMUS-EDU-2022-CBHE
Topic:	Capacity Building in the field of Higher Education- Strand 2 – Partnerships for transformation in higher education
Type of action:	ERASMUS-LS
Service:	EACEA/A/04
Project starting date:	01/01/2023
Project duration:	36

TABLE OF CONTENTS

- Project summary
- List of participants
- List of work packages
- Staff effort
- List of deliverables *(n/a for FPAs)*
- List of milestones (outputs/outcomes) *(n/a for FPAs)*
- List of critical risks *(n/a for FPAs)*

PROJECT SUMMARY

Project summary

Grant Preparation (General Information screen) — Provide an overall description of your project (including context and overall objectives, planned activities and main achievements, and expected results and impacts (on target groups, change procedures, capacities, innovation etc)). This summary should give readers a clear idea of what your project is about.

Use the project summary from your proposal.

Insert text (same text as proposal abstract)

SMART-PL is a 3-year project, focused on introducing a model of personalized learning, based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits". Intellectual tutoring is a set of learning tools: SMART online platform for virtual personalized learning and formative student assessment; co-working center with equipment for organizing hybrid learning, which increases the educational process's efficiency and gives both teachers and students more opportunities. "Learning with No Limits" means that all students are welcomed - regardless of age, personality, socioeconomic status, or educational needs, regardless of the opportunity to be present in the audience or not.

The project is divided into 7 WPs which are linked to promoting the cooperation of partners to implement the European experience of personalized learning; improving educational programs of universities; increasing transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their professional expertise and forming their confidence to achieve efficient results; to improve the quality of teaching materials; to facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education); to create extra opportunities to get higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.

The fundamental principle of the project is a personalized approach aimed at forming a highly qualified competitive specialist who can conduct innovative activities and has the skills of continuous professional development. The personalized approach is characterized by innovative teaching methods, designed to encourage collaboration between students and teachers, emphasizing the central role of students in controlling their learning.

A MODERN UNIVERSITY SHOULD BECOME A CREATIVE COMMUNITY OF STUDENTS AND TEACHERS AIMED TO PRODUCE WORLD-CHANGING PROCESSES.

LIST OF PARTICIPANTS

PARTICIPANTS

Grant Preparation (Beneficiaries screen) — Enter the info.

Partner No	Role	Short Name	Legal Name	Country	PIC
1	COO	TalTech	TALLINNA TEHNIKAÜLIKOOL	Estonia	999842536
2	BEN	KULeuven	KATHOLIEKE UNIVERSITEIT LEUVEN	Belgium	999991334
3	BEN	PWR	POLITECHNIKA WROCLAWSKA	Ukraine	999845931
4	BEN	IFNUL	IVAN FRANKO NATIONAL	Ukraine	967410489



			UNIVERSITY OF LVIV		
5	BEN	KRNU	KRYVORIZKYJ NATIONALNYJ UNIVERSYTET	Ukraine	967020452
6	BEN	KKNU	V. N. Karazin Kharkiv National University	Ukraine	986260984
7	BEN	KhNU	KHMELNITSKY NATIONAL UNIVERSITY	Ukraine	964860456
8	BEN	ONPU	ODESSA NATIONAL POLYTECHNIC UNIVERSITY	Ukraine	984284027
9	BEN	IHE OF NAESU	INSTITUTE OF HIGHER EDUCATION OF THE NATIONAL ACADEMY OF EDUCATIONAL SCIENCES OF UKRAINE	Ukraine	937417507
10	BEN	KSU	KHERSON STATE UNIVERSITY	Ukraine	933283658
11	BEN	NAHEQA	NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE	Ukraine	914340916

LIST OF WORK PACKAGES

Work packages						
<i>Grant Preparation (Work Packages screen) — Enter the info.</i>						
Work Package No	Work Package Name	Lead Beneficiary	Effort (Person-Months)	Start Month	End Month	Deliverable No(s)
1	Project Management	TalTech	40	01	36	D1.1, D.1.2.
2	Development of methodological support for a model of personalized learning	IHE NASU	45	02	15	D.2.1., D.2.2., D.2.3., D.2.4., D.2.5.
3	Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment	KhNU	26	10	23	D.3.1., D.3.2.
4	Organization of University Co-working Centres «Learning with No Limits» at the each partner university	KKNU	31	04	36	D.4.1., D.4.2., D.4.3., D.4.4.
5	Practical approbation of the model of personalized learning and	PWR	53	15	36	D.5.1., D.5.2.


	intellectual tutoring					
6	Quality Assurance	KULeuven	14	01	36	D.6.1., D.6.2.
7	Dissemination	IFNUL	38	01	36	D.7.1., D.7.2., D.7.3., D.7.4., D.7.5., D.7.6.

STAFF EFFORT

Staff effort per participant								
<i>Grant Preparation (Work packages - Effort screen) — Enter the info.</i>								
Participant	WP1	WP2	WP3	WP4	WP5	WP6	WP7	Total Person-Months
TalTech	4	3	2	2	2	2	2	17
KULeuven	2	1	1	1	1	2	1	9
PWR	4	4	2	2	4	2	5	23
IFNUL	4	5	2	4	7	1	4	27
KNU	4	5	2	4	7	1	4	27
KKNU	4	5	2	5	7	1	4	28
KhNU	4	5	9	4	7	1	4	34
ONPU	4	5	2	4	7	1	4	27

IHE NASU	4	6	2	1	3	1	4	21
KSU	4	5	2	4	7	1	4	21
NAQA	2	1	-	-	1	1	2	7
Total Person-Months	40	45	26	31	53	14	38	247

LIST OF DELIVERABLES *(n/a for FPAs)*

Deliverables						
<i>Grant Preparation (Deliverables screen) — Enter the info.</i>						
<i>The labels used mean:</i>						
<i>Public — fully open  automatically posted online)</i>						
<i>Sensitive — limited under the conditions of the Grant Agreement</i>						
<i>EU classified — RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision 2015/444. For items classified under other rules (e.g. national or international organisation), please select the equivalent EU classification level.</i>						
Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month)
D1.1	Kick-off meeting	1	TalTech	R - Agenda, list of participants, report DEC – presentation materials from participants, photos, video record, news in socials	SEN	1
D1.2	Consortium agreement	1	TalTech	Document, report	SEN	6
D2.1	Benchmarking of the European and Ukrainian practice of applying a	2	IHE NAESU	R – Questionnaires, Report DEC- presentaions	PU	5

	personalized approach to learning					
D2.2	Training in KU Leuven	2	KU Leuven	[R — report] [DEC — videos, photos, news in socials and Project Wes-site]	SEN	7
D2.3	The internal regulations on the use of personalized learning	2	NAQA	[R — regulations]	SEN	15
D2.4	“Competency-based personalized learning and formative assessment in the system of higher education quality assurance” – training program	2	IHE NAESU	[R — training program schedule, presentation materials]	PU	14
D2.5	Traning in Politechnika Wroclawska	2	PWR	[R — report] [DEC — videos, photos, news in socials and Project Wes-site]	SEN	7
D3.1	SMART-PL online platform	3	KhNU	[R — Supporting technical documentation] [DEM on-line platform]	PU	20
D3.2	“Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” – training program	3	KhNU	[R — training program schedule, presentation materials]	PU	23
D4.1	Co-working Centers «Learning with No Limits»	4	IFNUL	[DEM — Centers [DEC —news, photos, videos in Socials and local media]	PU	18

D4.2	Recommendations "Inclusion in the educational process of people with special educational needs"	4	IHE NASU	[R — Document,]	PU	15
D4.3	Consultations on inclusive education	4	NAQA	[R — report]	SEN	24
D4.4	Cooperation agreements	4	KRNU	[R — Agreement\]	SEN	24
D5.1	Internal trainings for Teachers on personalized learning and the use of the SMART platform	5	IFNUL	[R — report, certificates]	SEN	17
D5.2	Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform	5	PWR	[R — report DEM — Demonstrator, pilot,]	PU	30
D6.1	Quality Assurance Plan	6	KuLeuven	[R — Document,	PU	7
D6.2	Project Manual	6	TalTech	[R — Document,	PU	7
D7.1	Project logo and promotional documentation templates	7	KKNU	[DEM — Demonstrator, pilot, prototype]	PU	3
D7.2	Set of online PR resources	7	TalTech	[DEC —Websites,	PU	3
D7.3	Electronic book «Manuals on competence-related personalized education»	7	NAQA	[R — Document,]	PU	25
D7.4	Joint scientific papers	7	KSU	[R — Document, report]	PU	34
D7.5	Final conference	7	IFNUL	[R — collection of abstracts]	PU	35

				[DEC — presentations, photos, videos		
D7.6	Electronic book «Opportunities of open educational platforms for students and teachers»	7	ONPU	[R — Document,]	PU	25

LIST OF MILESTONES *(n/a for FPAs)*

Milestones					
<i>Grant Preparation (Milestones screen) — Enter the info.</i>					
Milestone No	Milestone Name	Work Package No	Lead Beneficiary	Means of Verification	Due Date (month)
MS1	Kick-off meeting	1	TalTech	Report on the meeting, List of presence video recording, presentations of project participants	1
MS2	Grant Agreement and Partnership Agreements signed	1	TalTech	Signed agreements and orders	4
MS3	Preventive monitoring	1	TalTech	Official report, presentations of team members and recommendations of the National Erasmus Office	10
MS4	Final Reports	1	TalTech	Reports	36

MS5	Benchmarking of best practices of personalized learning	2	IHE NAESU	The information received from the European partners is exhaustive in order to draw a conclusion about the practices of personalized learning. Surveys conducted by Universities in Partner Countries are of high quality and cover the required number of respondents. Report is adjusted by PMB	5
MS6	Retraining in EU Universities	2	KU Leuven PWR	Reports about retraining, certificates for participants	7
MS7	Internal documentation developed : policy of personalized learning and mechanism	2	NAQA	Approved policy of personalised learning in each University Approved methodical recommendations for measuring academic success, acquiring knowledge and skills in the framework of personalized learning approach	15
MS8	Training Competency-based personalized learning and formative assessment in the system of higher education quality assurance” developed	2	IHE NAESU	Approved training program, presentation materials	14
MS9	The terms of reference for the development of SMART online platform for personalized learning have been agreed	3	TalTech	Terms of Reference approved by the project Coordinator	11

MS10	SMART online platform has been developed	3	KhNU	Online-platform is ready to use	19
MS11	Accompanying technical documentation and materials for sharing and distribution of the learning platform outside the project are ready	3	KhNU	Accompanying documentation published in the public domain	20
MS12	Training “Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” has been developed	3	KNU	Training program and presentation material	23
MS13	The purchase of equipment for the centers has been completed. Equipment handed over to universities of partner countries	4	IFNUL	The equipment is put on the balance of each University Grand opening of co-working Centers «Learning with No Limits»	13

MS14	Recommendations have been developed for the inclusion in the educational process of students with fewer opportunities and special educational needs. Consultations for administrative and teaching staff within the framework of the project have been conducted in each Partner Country University	4	IHE NASU	Methodical recommendations approved by the Management of Partner Countries Universities Consultation Reports e-format Ukrainain	21
MS15	Selected teachers were trained within their University	5	IFNUL	List of participants, certificates Reports in each Partner country University	17
MS16	According to the list of pilot disciplines approved by the institutional manager of the project, materials for personalized learning were adapted and uploaded to the platform database	5	PRW	Information and study materials for all selected disciplines are uploaded to the online platform	24

MS17	Within each university, an assessment of the implementation of a personalized learning approach based on the developed software was made The Project Coordinator approved the consolidated report	5	ONPU	Questionnaires filled out by students and teachers. Progress Report The project coordinator prepares a consolidated report for all universities from partner countries	36
MS18	Quality assurance plan developed and approved by Project Coordinator	6	KULeuven	Approved Quality Assurance Plan	7
MS19	Dissemination and exploitation plan developed	7	TalTech	Approved Dissemination and exploitation plan	4
MS20	E-books developed	7	NAQA	2 e-books published	25
MS21	Final Conference	7	IFNUL	Collection of abstracts of the conference	35

LIST OF CRITICAL RISKS *(n/a for FPAs)*

Critical risks & risk management strategy			
Grant Preparation (Critical Risks screen) — Enter the info.			
Risk No	Description	Work Package No(s)	Proposed Mitigation Measures
1	Degradation of socio-economic state in Ukraine, spoiling of	1-7	Does not depends on the participants, but on the international commitment of the Ukrainian government allows to implement the project.

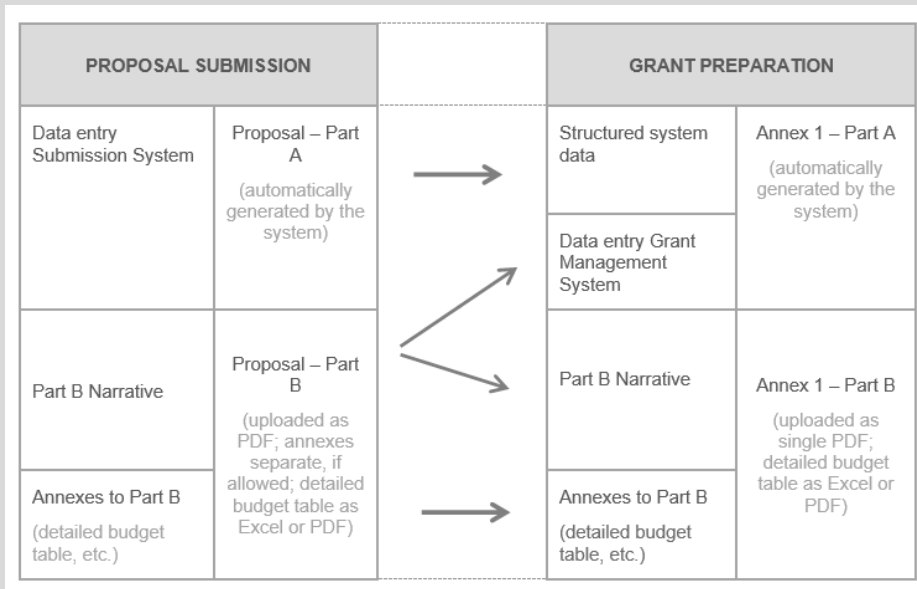
	relationships with EU countries, etc.		
2	Misunderstanding of the project objectives between project members and stakeholders.	1-7	All actions will be carried out on the basis of the developed plan for the implementation of the project. Mechanisms for communication of partners will be communicated to all participants at the first meeting and presented in the project policy.
3	Lack of EU language skills in PCs university' target groups	2	Will be minimized by use of the English language as the main communication tool. Also selection of relevant persons from target groups with good English skill is recommended.
4	Unconformity / incompatibility of teaching / learning approaches (curricula, educational programs, didactic materials, etc.) and equipment/tools in the partners' universities.	3	The personalized learning model being developed in the project will make it possible to adapt all courses to the possibility of being used in the system «SMART-PL» This model will be used in pilot educational courses, and further expanded in use.
5	Reluctance of teachers who are not directly included in the project team to do extra work	4	The project implementation process will be supervised by university management. An additional motivation factor will be foreign internships and advanced training programs within the project.
6	Acquisition of equipment and soft for Centers «Learning with No Limits» will be made timely despite the bureaucracy and delay of the tendering process.	5	Tender processes is under the control of university management; a project implementation plan provides for a temporary reserve to coordinate bureaucratic problems
7	Irrelevant statistics, poor quality assessment methodology	6	Involvement of highly qualified specialists at all stages of work, advanced European methods of external and internal assessment, use of the experience of the team members in conducting various types of assessments.
8	Lack of public interest, poor media coverage.	7	Use of effective tools for communication and dissemination of results. Cooperation with public organizations that will disseminate the results of the project after its completion.
9	War in Ukraine	1-7	In order to reduce risk, it is foreseen that project activities can be carried out in online mode; also, project teams are organised with flexibility and interchangeability of team members in mind.

DESCRIPTION OF THE ACTION (PART B) [for FPAs: ACTION PLAN (PART B)]

Part B of the Description of the Action (DoA) must be uploaded on the Portal Grant Preparation Documents screen.

HOW TO MAKE YOUR PART B

- Attach the Part B of your proposal.
 - ⚠ There is NO need to make any other changes (cover page, footers, headers etc). In case of duplicate or contradictory information in Part B, Part A (or other parts of the Grant Agreement) will be considered to prevail.
 - ⚠ The version used should be the submitted version of the proposal (— unless you have been explicitly requested to make changes). All changes need to be discussed and agreed with the EU Project Officer. Substantial changes to the proposal are NOT allowed. If you made changes, please indicate them in a versioning table.
- If there are annexes, merge all parts of Part B into a single file, convert it into PDF and upload the PDF on the Grant Preparation Documents screen.





PROJECT	
Project name:	Students' Personalized Learning Model, Based on the Virtual Learning Environment of Intellectual Tutoring "Learning with No Limits"
Project acronym:	SMART-PL
Coordinator contact:	Tallinn University of Technology, TalTech Ehitajate tee5, 19086 Tallinn, Estonia Madli Krispin Projects coordinator at Department of Law madli.krispin@taltech.ee

PROJECT SUMMARY

Project summary (in English)

SMART-PL is a 3-year project, focused on introducing a model of personalized learning, based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits". Intellectual tutoring is a set of learning tools: SMART online platform for virtual personalized learning and formative student assessment; co-working center with equipment for organizing hybrid learning, which increases the educational process's efficiency and gives both teachers and students more opportunities. "Learning with No Limits" means that all students are welcomed - regardless of age, personality, socioeconomic status, or educational needs, regardless of the opportunity to be present in the audience or not.

The project is divided into 7 WPs which are linked to promoting the cooperation of partners to implement the European experience of personalized learning; improving educational programs of universities; increasing transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their professional expertise and forming their confidence to achieve efficient results; to improve the quality of teaching materials; to facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education); to create extra opportunities to get higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.

The fundamental principle of the project is a personalized approach aimed at forming a highly qualified competitive specialist who can conduct innovative activities and has the skills of continuous professional development. The personalized approach is characterized by innovative teaching methods, designed to encourage collaboration between students and teachers, emphasizing the central role of students in controlling their learning.

A MODERN UNIVERSITY SHOULD BECOME A CREATIVE COMMUNITY OF STUDENTS AND TEACHERS AIMED TO PRODUCE WORLD-CHANGING PROCESSES.

1. RELEVANCE

1.1 Background and general objectives

Background and general objectives

Please address all guiding points presented in the Call document/Programme Guide under the award criterion 'Relevance'.

Describe the background and rationale of the project.

How is the project relevant to the scope of the call? How does the project address the general objectives of the call? What is the project's contribution to the priorities of the call (if applicable)?

"Tell me and I forget; teach me and I remember; involve me and I learn."
Benjamin Franklin

Modern education, both in the Ukrainian and all-European context, targets not students' instruction in specific subjects, but also formation of their professional expertise. Meanwhile, modern educational practices and some specific features of continuous professional education are characterized by a huge difference in students' basic knowledge, skills and competences. This generates a number of problems in students' training decreasing motivation of less competent students and giving birth to their anxiety. The following problems are left unsolved:

- How to satisfy individual needs of each student?
- How to obtain the academic profile of students' strong and weak features?
- How to provide a group of students with varied knowledge levels with the required information at the right time?
- How to fully include people (not only students, but also teachers) with special educational needs and disabilities into the educational process?
- How should a university teacher support and challenge students at the same time?

Traditional pedagogical practice typically involves a clear learning trajectory and an instruction of its following, while a University teacher is responsible for students' progress. In this case, efficiency of education depends on the teacher, his/her professional skills and personal features, as a result, students do not feel motivated and encouraged. Yet, it is sufficient to have a desire to study if someone wants to know something really new and keep up with the times.



Many students feel scared and disappointed during their studies that is revealed in low academic results, reduced motivation to academic and professional activity, and lack of confidence in their own powers. According to surveys of foreign students coming to study to Ukraine, they are quite often satisfied with studied subjects, yet, they are disappointed with the system itself. Students tend to cheat, while teachers constantly make them study through reminding them about work deadlines, what to learn, etc. Students have to gain their grades in class. The rush for grades causes morbid competitiveness, making students learn for grades and not for knowledge.

In the process of learning, students have an urgent need to acquire auxiliary knowledge to successfully accomplish academic curricula. The following groups of students are to be distinguished:

- students receiving training according to structured academic curricula with the difference in students' competences determined by their ability to perceive and process information;
- students who change their place of study (including foreign students and mobile students; refugees and migrants who are to be included in the educational process of the host country.) mastering the same speciality, while their curriculum differs in terms of hours attempted for modules;
- students who graduated some time ago and decided to continue their education considering curricula changes with time;
- students who decide to change their primary speciality and take advantage of the so-called cross enrollment as they were studying different subjects while training;
- students with specific academic needs, combining their study and work, those bringing up children and people with specific individual needs and disabilities.

Students from all groups can experience difficulties associated with adaptation to new academic requirements and new curricula. They can also need some auxiliary knowledge in subjects they did not study previously in order to successfully fulfill the academic programme.

The traditional system of training and assessment does not do nicely for integrated objective evaluation of all students' competences and frequently depends on teachers' opinions and students' personal features. Nowadays, students cannot imagine their lives without technologies – computers, tablets and smartphones. To enhance efficiency of teaching, teachers should assist students in using this toolkit in a new, creative and personalized way. Students of the new digital generation should take an active part in their own education and contribute to their teaching instead of passively receiving and repeating information. In cooperation with their teachers they can adjust academic goals to suit their own interests and work on achieving them within the framework of blended learning, which combines direct interaction with teachers and application of open educational technologies.

Personalization by the learner in the form of creating individual training trajectories is one of the most efficient approaches to solving the mentioned problems. Its implementation calls for new approaches to structuring the content and diagnostics of academic results and principles of education organization.

The academic environment in which students and teachers work together to reach mutual understanding of academic targets provides more opportunities for high-quality education. Yet, this potential can be implemented only when students are provided with an opportunity to be responsible for their own progress in learning. There are many empirical evidences showing that practices based on individual strategies and formative assessment are able to facilitate students' results.

Therefore, the project presents an idea of creating personalized learning where the key advantage involves adjusting education as a certain trajectory that each student is to cover. Assessment will be performed through computerized testing which is most efficient in monitoring students' knowledge and skills in case of both primary academic results and formed competences and secondary academic results. As a result of testing, the student will receive not only an assessment, but also a possible trajectory for its improvement. This will facilitate students' self-development as well as their abilities to control and assess their own learning, improve their time-management skills and bring teachers and students in contact when they feel free to express and uphold their own points of view.

Formative assessment shifts the focus from the final result onto the educational process itself, enhances students' involvement into the process, enables students to comprehend their own learning and develop relevant strategies – how to learn to learn. Students, who do not just absorb information, but actively build their own learning concepts, learn to assess quality of not only their own efforts, but those of groupmates and teachers through developing skills of great significance enabling them to learn all lifelong.

The acquired competences and the degree of their development characterize:

- ✓ an individual student's professional level, his competitiveness and career prospects;
- ✓ quality of academic services rendered by a higher educational institution.

Thus, consistent external assessment, self-assessment and control over students' competences on all training stages are essential problems, which, when solved, would improve both graduates' professional expertise and quality of the educational system as a whole.

These objectives will be implemented in the SMART-PL project on a full scale. The project fully complies with the regional priorities of the European Commission:

- ✓ ensuring and improving the quality of education;
- ✓ inclusion and gender equality;
- ✓ green and digital transformations in education and society.

The problems and results of project accomplishment are meeting the requirements of four out of five priorities set by the Ministry of Education and Science of Ukraine:

**Priority 1. Improving approaches to learning and teaching.**

It is a well-known fact that quality of teaching and learning is associated with a teacher's professionalism. The problem of strategic optimization and improvement of teaching staff's quality is acute like never before. To enhance motivational and research-related components of teachers' activity, their teaching time sheets should be optimized through changing bureaucratic attitudes to teaching into innovative ones. Teachers should be in the know of new teaching trends and methods to enhance their efficiency. Personalized learning and Formative assessment are one of such trends.

It is more than ever important for a teacher to get students ready to a constantly changing world with limitless access to all data types. Teachers should assist students in using training tools aimed at more in-depth learning including various technologies.

The project results will include:

- Assistance to teachers in implementing educational innovations, creation of inter-university highly-qualified teaching groups to develop pilot academic courses that are in compliance with personalized learning methods and principles of formative assessment.
- Development of the teachers' professional development programme. The project envisages development and conduction of trainings to help teachers comprehend and apply ideas, skills and concepts of personalized learning, formative assessment and innovative methods of teaching.
- Continuous self-improvement. The suggested model of training enables teachers to reconsider and improve their courses and teaching methods in order to improve their content, ways of presentation and assessment. Teachers will be provided with a relevant and constructive feedback from the greater number of students involved.
- Enhanced motivation of University teachers through providing them with more opportunities to select ways of covering the course/software component by applying new teaching methods and research.
- Enhanced efficiency of teaching through applying a constructive approach to training students. This environment will allow better academic results with improved time management.
- Increased involvement of University teachers and students into research. The training process is becoming more associated with teachers' research activity. University teachers will get more time for conducting their researches.

Priority 2. Creation of a flexible adult education system.

The model SMART-PL is an excellent toolkit for training adults within the Lifelong Learning concept providing monitoring and assessment of learners' input knowledge, creation of personalized syllabuses and tools of monitoring students' progress to achieve set results. Training adults involves some specific features to be considered by teachers including the following:

- ✓ adults decide to start their education prompted by their experience which is to be used as a resource of new knowledge;
- ✓ adults should be free to select the academic content, presentation format and pace guided by their own interests and needs;
- ✓ adults' training and development should be focused on their active participation and research.

The project will result in:

- Graduates engaged into the suggested learning model will be more practical and logic-minded, capable of solving a variety of problems through turning them into their own life experience as during their studies they are responsible for their own training. Due to this, they will become more efficient in their jobs, making a greater contribution to the community life.
- The suggested training model and the developed platform SMART-PL will help students supplement their learning in the academic environment with informal education that occurs in real-life situations through giving students more opportunities in ways of achieving certain academic results.
- Increased quantity and quality of inclusion of people with specific academic needs. SMART-PL is a toolkit for supporting self-directed learning and facilitates successful completion of higher education for students combining their study and work, those bringing up children and people with specific individual needs.

Priority 3. Development of partnerships and exchange of best practices.

Supporting the best pedagogical practices is one of the development strategy priorities of higher education. The suggested model transforms the teacher's role without diminishing it. The teacher's new role implies providing students with an opportunity to study, correcting their trajectory to cover a course or an academic component without giving unnecessary information. The project will result in:

- Co-working Centers «Learning with No Limits» using hybrid learning technology, at the each partner university will become a physical and virtual environment for student-teacher-employer cooperation that will supplement traditional classroom training. This will improve quality of higher education, provide future professionals with competences to monitor market demands and enhance dynamics of sustainable development of economy and society.
- Application of innovative educational technologies within the project and implementation of the platform SMART-PL will facilitate reduction of the attrition rate and increase employers' involvement into the university activity. This will provide an opportunity to develop the research component, implement joint training programmes together with European partners, raise a university rating, obtain auxiliary financing and update facilities and resources.



- Integration of the academic community. There should be a coalition created with those who strive for changes in order to persuade those who are sceptical that these changes are for better. While conducting joint events and supported by the associate partner "Ukrainian Scientific And Educational It Society", the most advanced teachers of the academic community will discuss and determine solutions for teaching and learning problems by training themselves and applying the student-centered approach and disseminate the obtained results within the Ukrainian academic community.
- Improved prestige of a teaching profession as students are turning into the part of the academic community guided by teaching innovations with a more constructive feedback.

Priority 4. Digital development and digital transformations.

Digitalization of higher education is the core statement of partner-countries within the European Educational Space.

The project result will be the following:

- The interactive academic hybrid environment (on-line and off-line) aimed at establishing student-teacher cooperation, sharing discoveries and innovations, facilitating in-classroom training, providing objective assessment and personalized learning, ensuring a feedback and forming critical thinking. Thanks to information technologies, assistance and various resources will be available via the Internet anytime.
- Co-working Centers «Learning with No Limits» (including hardware and software for hybrid learning and computers for students with special educational needs) at the each partner university will allow to include in the educational process students with specific academic needs - students combining their study and work, those bringing up children, people with specific individual needs and disabilities.
- The SMART-PL platform involves creation of a joint electronic library of training materials; a virtual environment for distance training and virtual mobility; development of approaches to IT-oriented assessment and training enhancing students' involvement into the training process and their self-training.
- Electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance will be prepared.
- The digital content of educational components. Recorded video-lectures and digital books will provide students with an opportunity to get ready for a class, watch the lecture content outside the classroom, while the rest of the lecture time can be spent on discussions with University teachers and groupmates.

Obtainment of "innovative products and results" of the training process will be achieved through:

- personalization expressed by learners' ability to control their own learning and find the most efficient ways of acquiring knowledge and skills;
- opportunities provided by information and smart technologies due to their application as diagnostics tools and means of creating trajectories of correcting academic results, thus achieving increased efficiency and quality of training specialists possessing a new mentality type relevant to demands of information society.

1.2 Needs analysis and specific objectives

Needs analysis and specific objectives

Please address the specific conditions/objectives set out in the Call document/ Programme Guide, if applicable.

Describe how the objectives of the project are based on a sound needs analysis in line with the specific objectives of the call.

What issue/challenge/gap does the project aim to address? The objectives should be clear, measurable, realistic and achievable within the duration of the project. For each objective, define appropriate indicators for measuring achievement (including a unit of measurement, baseline value and target value).

Wider Objective:

Implement the European experience of student-centered learning, increase the role of students in ensuring the quality of higher education in Partner Countries, by introducing a model of personalized learning based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits" and hybrid technologies.

This model will provide students with an opportunity to develop their skills at their own pace, assess their own achievements, help them personalize and adjust their academic curricula, targets and content to their individual needs, facilitate their learning motivation and thanks to hybrid learning technologies to fully involve students and teachers with disabilities in the educational process.

Specific Project Objectives:

- ✓ Enhance student's motivation to learning through applying the by-the-learner approach and create conditions to meet students' individual needs associated with differentiation and personalization of academic trajectories.
- ✓ Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results.
- ✓ Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.



- ✓ Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials.
- ✓ Facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits.
- ✓ Ensure a feedback on students', teachers' and administration's efficiency.
- ✓ Enhance interaction of all the interested parties including employers, the community and controlling bodies (the Ministry of Education and Science of Ukraine, the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies.
- ✓ Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture.

Implementation of personalized learning is a multifactor process the success of which affects quality of the ongoing educational process, academic progress, and students' social and scientific activity. While implementing personalized learning, the following participants of the educational process should be involved:

1) Students

The suggested model of personalized learning provides increased efficiency of the educational process and gives more opportunities for both teachers and students. The assessment of student learning, which is built into the online learning environment, is a new model of the educational process.

The Testing and Learning Intelligent System SMART-PL will create students' individual profiles to monitor their strengths, needs, motivation and progress. Profiles will be accessible to university teachers for correction of each student's academic trajectories. SMART-PL will be implemented on all training stages, including:

- 1) basic testing at the beginning of the course - with an assessment of the basic level of competencies and the formation of an individual academic trajectories;
- 2) current (module) testing on the key modules of the discipline - implying assessment of competence increment while studying a subject and enabling corrections of individual academic trajectories;
- 3) end-of-term (final) tests as one of control tools. Also will enable building further academic trajectories to correct underdeveloped competences.

To achieve the required academic level based on assessment results, the SMART-PL will automatically generate a student's "personalized academic diagram" to enable obtaining academic results and assessment in the form of formed academic results, thus reflecting students' individual trajectories of development. The database of the information system will provide students with all necessary learning materials and auxiliary assignments to develop required competences. Students will also receive references to subject-specific on-line courses, course books, scientific publications in the electronic catalogue of the university library. Guided by these recommendations, studying auxiliary materials and accomplishing assignments, a student will be able to enhance his or her competences and academic results.

Individual academic trajectories will enable students to select their own way and pace of information obtainment following high academic standards. Students will be able to obtain specific programmatic learning outcomes from a variety of sources. The advantage of the SMART-PL online system is that it can automatically manage student learning needs and track the progress of individual students and entire groups. It can also be used as a core curriculum or supplement to it.

Special attention is paid to students with specific academic needs. It is expressed in arrangement of training considering personalized learning including the content and time management, specific methods and means, as well as support provided by highly-qualified specialists of various educational fields.

The SMART-PL platform will enable workplace-based training and skills of achieving lifelong success.

2) Teaching staff

The teaching staff of university departments should be ready to implement the personalized learning model, the success of which is mostly dependent upon available and relevant training methods enabling the most efficient academic results possible.

Success of Personalized Learning is greatly dependent on carefully selected methods enabling the most efficient results of programme implementation.

Theoretical and practical materials should be structured in accordance with the list of competences and curriculum results of students. The required training materials (including tests, module test stakeholders and qualified paper assignments) should be adjusted in such a way that they cover all the required competences and form the required volume of curriculum results. In addition to formulated academic results, there should be clear and accurate evaluation criteria for completing a course or any other syllabus component to confirm desirable knowledge, skills and competences to be acquired by students.

Databases of the SMART-platform of formative assessment should contain the maximum volume of academic and methodological recommendations, teaching aids, lecture notes; a set of test assignments aimed for subjects and entrance tests should be sufficient for the system to generate individual integrated test assignments for each student and reflect his or her individual academic trajectory.

Dynamics of changes of academic syllabuses and training methods makes both senior and younger teachers arrange consultations and discussions to maintain their lifelong professional advance. It is essential for university teachers to be able to discuss teaching and learning problems and ways to solve them by following the student-centered approach during their training. To achieve this, the project envisages development and conduction of trainings to elaborate skills



necessary to control the academic process effectively. The trainings will be conducted under the guidance of the Institute of Higher Education of the National Academy of Sciences of Ukraine, that has been engaged in teachers' advanced training and implementing European practices at Ukrainian universities for 22 years. The above mentioned will affect quality of the rendered academic services and enhance the teaching staff's expertise.

3) University management

Institutions responsible for education quality, employers and universities themselves make measurement of academic results their priority. Prevailing totalizing assessment and arbitrary test results cannot provide any valuable data. They tend to test students' short-term memory and occasionally something called testing skills. Practice frequently reveals a great number of people with high test results of official examinations without any real required knowledge and skills.

The personalized learning based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits" and hybrid technologies can be applied to enhancing a feedback and providing university teachers and authorities with timely data on quality of training for specific subjects, teachers and students as well as efficiency of the training process as a whole including internal and external assessment of education quality.

4) Employer

Theoretically, a university should provide students with knowledge and skills relevant to their future jobs. Unfortunately, theory and real life seldom coincide. Changes on the labour market in recent decades have been caused by some technological achievements and appearance of a new type of employees with various ideas about what a job is. Today, jobs are more than ever personalized, this fact making employers change their management principles like providing a more flexible schedule, internships for beginners, etc. Due to this, there arises a necessity to constantly evolve increasing one's own professional level. It can be provided through involving specialists into lifelong learning processes. The personalized learning based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits" enables analyzing a candidate's basic knowledge level and determine his or her development zones including the competences with the largest gaps.

Employers will benefit from studying the process of syllabus development at universities and the opportunity to influence students' competences, this facilitating training of highly-qualified graduates popular on the labour market. Innovative syllabuses and courses will be developed after considering employers' demands. To do this, the "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" and «Kryvyi Rih Foundation of the Future» have become an associate partner of the project. The platform SMART-PL should become a major toolkit for communication of universities and employers aimed at implementing the dual education programmes.

Meeting the individual needs of each student, culture and objectivity of assessment are priorities for improving quality of the academic process. All the engaged parties of the educational system will obtain a toolkit for achieving progress on every academic level. On the academic group level, a University teacher will receive information on every student's involvement and success, this enabling adaptation of training to meet individual needs of students. On the University level, the executives will obtain information on strong and weak points of their curricula, teachers and the academic process as a whole that will enable them to develop a strategy of their improving. On the Ministry of Education level, after monitoring students' results, the officials will be able to apply the information to investing education and supporting Universities as well as determining mutual priorities in the academic sphere.

The project goals are realistic and achievable on the national and institutional levels because:

- the goals are fully aligned with the educational strategy and national priorities of Ukraine;
- a strong team comprising vice-rectors, department heads and leading university teachers ensures fulfillment of achievable project goals on a professional level;
- project executives representing Consortium partners have successful experience of managing academic and research projects.

The team also includes associate partners who are interested parties of the project.

1.3 Complementarity with other actions and innovation — European added value

Complementarity with other actions and innovation

Explain how the project builds on the results of past activities carried out in the field, and describe its innovative aspects (if any).

Explain how the activities are complementary to other activities carried out by other organisations (if applicable). Illustrate the trans-national dimension of the project; its impact/interest in the EU area; possibility to use the results in other countries, potential to develop /cross-border cooperation among Programme countries and Partner countries, if applicable, etc.

If your proposal is based on the results of one or more previous or ongoing projects, please provide precise references to these projects.

The suggested model of training and the approach to designing new academic components combine the best European practices of learning and teaching with in-depth comprehension of science as the basis for academic training at a higher educational institution. It is impossible to satisfy constantly changing needs of students without applying modern information technologies. Yet, providing just access to new types of academic technologies cannot be equivalent to a high-quality model of teaching and learning. On the contrary, it is deliberate application of new technologies that is



prioritized while transition to the student-oriented academic environment enabling teachers to use this tool to support their students is taking place.

The project final result implies that suggested tools and the content of academic courses will be personalized, simple to use, include standardized academic results and be aimed at improving individual students' results. All this will create an environment to form a unique experience of training every student and save teachers' time that otherwise would be wasted.

While implementing personalized learning and formative assessment, there arises a problem of transforming students' and teachers' thinking to make them accept this new approach to learning and teaching. Initial development of policies, instructions, models, trainings for both students and teachers, designing the platform and its replenishment require auxiliary resources. Ukrainian higher educational institutions need extra financing to purchase equipment for people with specific academic needs and the in-Classroom technology setup, that will help them to facilitate great learning experiences for students in the Hybrid classes, while fine-tuning the individual solutions to personal teaching styles and preferences.

All academic Ukrainian members need the support of the project to develop and incorporate new learning unit packs into their specific academic disciplines. Ukrainian partners need to strengthen their internationalization and use the experience and support of European Universities in the process of modernization their curricula. Transfer of best practices of the personalized approach implementation from European partners will enhance quality of Ukraine's higher education in various academic spheres.

European HEIs bring a European added value by enabling academic/ teaching staff consultation on personalized learning approach to defined curricula and courses; by transferring experience in development of an innovating ICT environment, teaching tools, methods and didactic materials dedicated specific for on-line, web based teaching/ learning; by providing the opportunity to create a broad network with teaching staff of EU universities; by providing training courses for Ukrainian teachers and students in EU universities in blended mode.

Cooperation with European University-partners, reference visits and trainings will provide Ukraine's programmes with urgent information and recommendations in order to guarantee that their graduates will have relevant skills and knowledge to be component in their profession irrespective of their places of study. These actions should ensure efficient integration of highly demanded knowledge and skills into corresponding curricula including those of postgraduate education making them relevant to new standards of academic accreditation and specialist training according to high criteria of the European Academic Space.

2. QUALITY

2.1 PROJECT DESIGN AND IMPLEMENTATION

2.1.1 Concept and methodology

Concept and methodology

Please address all guiding points presented in the Call document/Programme Guide under the award criterion 'Quality of the project design and implementation'.

Outline the approach and methodology behind the project. Explain why they are the most suitable for achieving the project's objectives.

SMART-PL is a 3 year project, focused on the introducing a model of personalized learning based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits" and hybrid technologies. The project is divided into seven WPs which are linked to promote the cooperation of partners and to reach the target objectives in SMART-PL, in order to implement the European experience of student-centered learning; improve educational programs of universities; increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results; improve the quality of teaching materials; to facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education formal/informal/non-formal); create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies.

The model of personalized learning and the mechanism for its applying as an official policy for Ukrainian universities will be jointly developed by all project participants. Further work on the formation of an innovative educational model will be based on this policy. Basics of this model are:

- Experience that representatives of Ukrainian universities will gain during benchmarking visits to EU universities.
- Recommendations of representatives of EU universities; Institute of Higher Education of the National Academy of Sciences of Ukraine, The National Agency for Higher Education Quality Assurance and associated partners.



- Own developments of members of the consortium members, which are the methodological basis of the training model proposed in the project. Among them:

- Van den Bossche, J., Verliefe, N., Vermeyen, A., Van den Bunder, C. (2012). The use of weblectures and its effect on learning in higher and university education. Presented at the New perspectives in science education, Firenze (Italy), 01 Jan 2012-01 Jan 2012.
- Van den Bossche, J., Verliefe, N., Vermeyen, A. (2010). Didactic scenario's for an effective use of weblectures: a collaborative research project in higher and university education to maximize the use of weblectures and its effect on learning. Presented at the INTED, Valencia (Spain), 08 Mar 2010-10 Mar 2010
- Verliefe, N., Stevens, L., D'haenens, B., Vermeyen, A., Kaat, R., De Gendt, M., Van Caelenberg, C., Stifkens, K., Van Rampelberg, S., Neijens, T., Van den Bossche, J. (2011). Comparing the efficiency and effectiveness of different learning media designs for the preparation of skills training in a blended learning context. Presented at the International Conference on Education and New Learning Technologies, Barcelona, 04 Jul 2011-06 Jul 2011.
- Morkun N, Chubarov V., Zavsiehdashnia I. & Zavsiehdashnia O. (2021). The concept of IT-platform information model for individualized competence-oriented master students' education in the field of computer sciences. Information Technologies and Learning Tools, 82(2), 151–165. <https://doi.org/10.33407/itlt.v82i2.3219>
- Measuring the effectiveness of the implementation of individual educational trajectories by university students / Vinnyk M., Poltorackiy M., Spivakovska Y., Bondarenko L., Revenko Y. CEUR Workshop Proceedings, 2020, 2732, p. 1286–1297.
- Kukharsky V., Oseredchuk O. An electronic textbook in Ukrainian higher education: from the idea of creation to implementation // Bulletin of the series "Informatization of a higher educational establishment". - 2017. - number 879 -S.85 - 92 (in ukr.);
- A Model for Assessing the Rating of Higher Education School Academic Staff Members Based on the Fuzzy Inference System / Babichev, S., Spivakovskiy O., Omelchuk, S., Kobets, V. Lecture Notes on Data Engineering and Communications Technologies, 2022, 77, p. 449–463
- ICT advanced training of university teachers / Spivakovskiy O., Kushnir N., Valko N., Vinnyk M. CEUR Workshop Proceedings. 2017. Vol. 1844. P. 176-190.
- Using Chatbots to Approach Individual Learning Trajectories in Physics for Foreign Students
- Bohomolova, I., Kushnir, N., Moshkovska, S. CEUR Workshop Proceedings, 2021, 3013, стр. 253–263
- Model of an education robotics course for natural sciences teachers Kushnir, N., Osypova, N., Valko, N., Kuzmich, L. CEUR Workshop Proceedings, 2020, 2740, стр. 322–333
- Distance learning technologies in institution of higher education by means of LCMS moodle Kushnir, N., Osypova, N., Valko, N., Kuzmich, L. CEUR Workshop Proceedings, 2020, 2732, стр. 1152–1163
- Cloud technologies for STEM education Valko, N.V., Kushnir, N.O., Osadchy, V.V. CEUR Workshop Proceedings, 2020, 2643, стр. 435–447
- T. Hovorushchenko, A. Nicheporuk, D. Medzaty. Sustainability of Knowledge & Technology Transfer Center at Khmelnytsky National University (Ukraine). International Journal of Innovation. Vol. 7, No. 2 (2019): May-August. Pp. 210-226 (Web of Science)
- T. Hovorushchenko, I. Lopatto, O. Pavlova. Structure of Information Technology and Method for Support of the Planning the Work of the Lecturer and Department of Higher Education Institution // Proceedings of 2019 IEEE Ukraine Conference on Electrical and Computer Engineering (UKRCON-2019) – pp.1220-1223 (Scopus)
- Sergii Lysenko. BotGRABBER: SVM-Based Self-Adaptive System for the Network Resilience Against the Botnets' Cyberattacks / Sergii Lysenko, Kira Bobrovnikova, Oleg Savenko and Andrii Kryshchuk // Communications in Computer and Information Science. – 2019. – Vol. 1039. – PP.-127-143 (Scopus)

The project tasks are bundled in 7 work packages. Briefly the work packages (WPs) that will be implemented during this project is presented below:

WP 1: [Project Management].

To allow resources optimization & Risk Management there are 3 types of activities: initial meetings, ongoing project management and coordination meetings. Project management relates to general administration of the project activities, coordination and realignment of project activities, achieving efficiency of project management. The workpackage aims to secure smooth completion of the project, avoiding malfunctioning and over budgeting, documentation preparation and checking.

This stage includes kick-off meeting of the project participants, during which all participant will present their team, describe the format of participation in the project and formulate the expected results.

WP 2: [Development of methodological support for a model of personalized learning]

The key objective of this stage is to create the necessary set of conditions for the formation of common shared policy by participating universities by the introduced model of personalized student learning. Representatives of EU universities formulate recommendations for enhancing project results.

Benchmarking visits of project team participants will be held on the basis of EU universities. Their purpose is to study and analyze the experience of European partners in the field of application of personalized training, competency-based training, formative assessment. Teachers/researchers will familiarize with the processes, regulatory documents, course programs and teaching materials. The visit program also includes communication with students and stakeholders in the educational process in EU HEIs in order to receive feedback on the application of this approach



UA universities, under the supervising of representatives of EU universities, IHE NAESU, NAQA, will develop a policy for personalized student learning and develop a template “Provisions for personalized competency-based teaching of university students and the application of formative assessment practice”.

WP 3: [Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment]

Testing and Learning Intelligent System SMART-PL has been developed, passed preliminary testing and is ready for use in the educational process.

Instructions for using the platform, for downloading educational materials, etc. ready for use and published in the public domain.

Training “Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” has been developed. This training will be mandatory for teachers (as a professional development program) who will take part in adapting their disciplines according to the personalized learning approach (both within the project and after its completion). Also, such training can be held for teachers and of other universities as part of the dissemination of the results of the project.

WP 4: [Organization of University Co-working Centres «Learning with No Limits» at the each partner university]

The purchase of equipment for the centers has been completed. Equipment handed over to universities of partner countries. The use of equipment that will be purchased within the framework of the project, and which will be used in the co-working Centers of the Partner Countries' Universities, will allow to activate the processes of personalized learning, promote the development of the creative potential of students and teachers.

Recommendations have been developed for the inclusion in the educational process of students with fewer opportunities and special educational needs. Consultations for administrative and teaching staff within the framework of the project have been conducted in each Partner Country University

WP 5: [Practical approbation of the model of personalized learning and intellectual tutoring]

In accordance with the outcomes of WP 2, UA universities develop a methodological complex to provide an introduced learning model for 60 pilot academic disciplines. EU partners, IHE NAESU, NAQA and PO "Ukrainian scientific and educational IT Society" coordinate activities, make advisory roles. Selected teachers will be trained within their University. In each of the 6 academic universities, 10 pilot disciplines are prepared for study in the framework of a personalized approach and using the SMART online platform.

For 60 pilot academic disciplines key milestones are:

- defining academic results and a mechanism of their assessing for pilot courses as well as standard documents of implementing formation mechanisms of assessment into practices of university-partners;
- developing a mechanism of measuring academic success, acquiring knowledge and skills including the sequence of assessment stages (when, what and how to assess) in order to determine students' progress in achieving academic results;
- developing possible personalized trajectories of correcting assessment results and improving efficiency indices of the academic process for individual students;
- developing a system of considering academic process efficiency to document students' intermediate and final results;
- assessing and updating the course content according to knowledge and skills established by the standards; determining knowledge and skills.

Teachers of the departments on the basis of which the project is being implemented are the first to be trained. Further, training events are conducted for other faculty and for representatives of other universities.

WP 6: [Quality Assurance]

Quality control and monitoring will cover key project activities. The objectives include development and application of time-based and quantitative criteria of project results along with periodic progress and financial reports; designing a set of external and peer evaluation. The external evaluation is very important to ensure adequate results of the project.

The project quality assurance plan is one of the most important starting documents. This document establishes requirements for the quality of the result of the project, and measures are planned to achieve them.

WP 7: [Dissemination]

Dissemination and exploitation plan establishes requirements on spreading for the quality of the result of the project, and measures are planned to achieve them.

All partners will participate actively in the outlined plans for communication, dissemination and exploitation, with the objective to be able to introducing a model of personalized learning based on the virtual learning environment of Intellectual Tutoring "Learning with No Limits" and hybrid technologies.

There are 5 objectives of the dissemination package:

- project Web Portal and social media (FaceBook, LinkedIN, Telegram-channels and YouTube-channels);
- dissemination of project information through the activities of the IHE NAESU, NAQA and associate partners PO "Ukrainian scientific and educational IT Society" and Kryvyi Rih Foundation of the Future;
- development of recommendations within the framework of the NAQA on implementation of mechanisms of formative assessment in the practice of Ukrainian universities;
- usage of information/promotional materials;
- conducting Information sessions for target groups.



2.1.2 Project management, quality assurance and monitoring and evaluation strategy

Project management, quality assurance and monitoring and evaluation strategy

Describe the measures foreseen to ensure that the project implementation is of high quality and completed in time.

Describe the methods to ensure good quality, monitoring, planning and control.

Describe the evaluation methods and indicators (quantitative and qualitative) to monitor and verify the outreach and coverage of the activities and results (including unit of measurement, baseline and target values). The indicators proposed to measure progress should be relevant, realistic and measurable.

Quality control and monitoring will be carried out in accordance with the general standards of quality management and quality assurance (ISO/TC 176).

The partners will nominate the Project Quality Assurance and Monitoring Team (QAMT) at the kick-off meeting. For internal evaluation processes, each partner appoints to QAMT one academic staff. The QAMT will develop the Project Quality Assurance plan (PQAP), which will be approved by the MC in the beginning of the project. Additionally, a working group for internal quality control activities will be created at each UA HEI.

PQAP will establish the quality measures, and will be used for outcomes evaluation against the benchmarks and indicators.

The QAM Team will provide internal control and evaluation and organize external quality assessment with the involvement of external experts.

The project activity involves the preparation of the following types of reports:

- periodic progress reports
- reports on the completion of each work package
- budget spending reports
- final report.

During the project two quality control mechanisms will be used: internal and external. QP will be developed during the first coordinating meeting of the consortium. Inside of this QP quantitative and qualitative key performance indicators will be developed and adopted to provide a clear and measurable way for results estimation and monitoring of the project efficiency for internal quality control and further evaluation of the project results. Development, coordination and monitoring of the quality control indicators are approved by all partners during the first coordination meeting and will be monitored on a regular basis by the QAM Team representatives. To implement internal, checkpoints and deliverables are documented systematically and audited on a regular basis by the activity leader, WP leader and the QAM Team.

There can be a set of quality control and evaluation criteria and tools for every workpackage.

Every 6 months the consortium will form the summary report on internal QC and project monitoring on compliance with the plan.

External QC and monitoring are performed by external experts.

The personnel involved in external monitoring will be able to offer an objective point of view for current project results and potential issues.

Compliance between the plan and actual results will be assessed by comparing the actually achieved results at the moment of the next assessment with those pointed out in the plan. The assessment will be based on regular reports from project participants. On-going control will focus on developing key project results

Finally, a valuable input for quality evaluation will be provided by feedbacks, collected from pilot groups. The consortium will submit biannual reports on project developments, which will include the results of the project activities, visits and achieved results. Apart from the PC level, annual reviews undertaken by the QAM Team on annual basis are envisioned, which will feed into project annual and final report.

Activities related to the formation of an assessment mechanism and the level of achievement of students' competencies for pilot academic disciplines are sufficiently detailed to ensure a qualitative result.

Also, special attention in the work plan is given to the adaptation of educational programs and relevant educational, methodological and assessment materials to the new educational model.

Study visits of teachers on the use of ICT tools in education will also allow to develop and strengthen the concept of Testing and Learning Intelligent System SMART-PL, formulated at the time of project planning. SMART-PL will be developed by Khmelnytskyi National University, but with the active consultative participation of the remaining project participants, who will make their proposals to the specification.

The project involves the development of 2 training programs: "Competency-based personalized learning and formative assessment in the system of higher education quality assurance", "Opportunities of open virtual educational platforms for students and teacher. Use of Testing and Learning Intelligent System SMART-PL for teachers and students" are ready and adjusted by Project Leader and 2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance are prepared."

Within the framework of the project, co-working Centers «Learning with No Limits» will be created in Ukrainian universities. Their goals:

- provide methodological and consulting support for the implementation of the personalized learning model
- provide technical conditions for the use of SMART-PL by students and teachers,



- provide equipment for recording educational videos, organizing video communication sessions, presentations conducting trainings in a hybrid mode.

In the centers will be created 1 working computer station for students with disabilities. A model of personalized training and equipment will create additional conditions for the development of inclusive education at universities.

Trainings will be developed jointly by representatives of all universities and coordinated with non-academic participants and EU partners and will be actively used by all project participants, both in the educational process and in the framework of activism for disseminating results.

The project plan also includes workshops and management meetings to monitor the achievement of project results and ensure high-quality communication and exchange of experience of all participants.

Tangible results:

WP 1. Project Management:

The common policy of personalized learning is developed and approved as an official document in each partner university.

Number of participants, agenda, presentations.

Reports.

WP 2. Development of methodological support for a model of personalized learning:

2 training programs: "Competency-based personalized learning and formative assessment in the system of higher education quality assurance", "Opportunities of open virtual educational platforms for students and teacher. Use of Testing and Learning Intelligent System SMART-PL for teachers and students" are ready and adjusted by Project Leader.

Number of staff and students who took part in the survey, reports

Number of teachers who have been retrained at EU universities

Approved internal documents in 6 UA Universities

training program, presentation materials

WP 3. Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment

The information-diagnostic online SMART-PL platform based on the adaptation of an open-source virtual learning environment is developed and approved as a tool to support the educational process.

Number of people who use the SMART-PL platform – students / teachers.

Training program, presentation materials

WP 4. Organization of University Co-working Centres «Learning with No Limits» at the each partner university

Co-working Centers «Learning with No Limits» are equipped with workplaces, hardware and software for hybrid learning and computers for students with special educational needs in each partner university. The center was put into operation in accordance with the internal regulations of each university.

Recommendations in e- form, approved by the management of each university

Number of staff who took part in the consultation events, feedbacks

Number of bilateral agreements.

WP 5. Practical approbation of the model of personalized learning and intellectual tutoring

Number of trainings, workshops, seminars held both within the universities participating in the project and for other universities – online / offline / hybrid modes.

Number and list of teachers and administrative staff who have completed advanced training.

Number of staff and students, who attended training events, participated in study visits and workshops – online /offline / hybrid modes.

WP 6 Quality Assurance

Quality Assurance Plan, Project Manual

WP 7. Dissemination

Project logo and templates approved by the team.

Official website of the project, the FB page of the project, as well as the project pages on the websites of the universities participating in the consortium.

2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance are prepared.

Recommendations within the framework of the NAQA on the implementation of mechanisms of competency-based personalized learning in the practice of partner universities are developed.

Recommendations within the framework of the IHE NAESU "Inclusion in the educational process of people with special educational needs" are developed.

Number of publications, agenda, presentations, collection of papers.

LOGICAL FRAMEWORK MATRIX

NARRATIVE SUMMARY OF THE INTERVENTION LOGIC	OBJECTIVELY VERIFIABLE INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS AND PREREQUISITES
<p>Goal (general objective) <i>Identify the broader objective to which this project contributes</i></p> <p><i>Implement the European experience of student-centered learning, increase the role of students in ensuring the quality of higher education in Partner Countries, by introducing a model of personalized learning based on the technology of formative assessment and the Virtual Learning Environment of Intellectual Tutoring "Learning with No Limits".</i></p> <p><i>This model will provide students with an opportunity to develop their skills at their own pace, assess their own achievements, help them personalize and adjust their academic curricula, targets and content to their individual needs, facilitate their learning motivation and thanks to hybrid learning technologies to fully involve students and teachers with disabilities in the educational process.</i></p>	<ul style="list-style-type: none"> ✍ Organization of University Co-working Centers «Learning with No Limits» in each partner university – 6. ✍ Implementation of the open information-diagnostic SMART-PL platform as a tool to support the educational process. ✍ Number of training and educational materials, including open courses, lecture notes using the SMART-PL platform. ✍ Number of normative documents developed, including strategies, methodological recommendations, roadmap. ✍ Number of developed training programs for advanced training of teaching and academic staff. ✍ Number of signed partnership agreements between universities and other stakeholders. 	<ul style="list-style-type: none"> ① University statistics. ① Questionnaires, surveys. ① Regulatory and legislative framework. ① Internal and external evaluation reports. 	<ul style="list-style-type: none"> ! Recognition, observance and protection of human rights and freedoms, including access to education and one's own professional development.
<p>Purpose (specific Objectives) <i>List the specific objectives that projects shall achieve</i></p> <ul style="list-style-type: none"> ✓ Enhance student's motivation to learning through applying the by-the-learner approach and create conditions to meet students' individual needs associated with differentiation and personalization of academic trajectories. ✓ Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional 	<ul style="list-style-type: none"> ✍ Co-working Centers «Learning with No Limits» are equipped with workplaces, hardware and software for hybrid learning and computers for students with special educational needs in each partner university. ✍ The information-diagnostic online SMART-PL platform based on the adaptation of an open-source virtual learning environment is developed and approved as a tool to support the educational process. 	<ul style="list-style-type: none"> ① Reports on internal and external evaluation of each partner university, the Academy of Pedagogical Sciences and the National Agency for Higher Education Quality Assurance. ① University statistics on students' performance and academic debts. ① Results of survey of involved stakeholders (students, teachers, governance industry, scientific 	<ul style="list-style-type: none"> ! Sustainable political and economic situation in EU and Ukraine. ! Integration of the academic community, a coalition created with those who strive for changes in order to persuade those who are sceptical that these changes are for better.

<p>expertise and forming their confidence to achieve efficient results.</p> <ul style="list-style-type: none"> ✓ Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies. ✓ Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials. ✓ Facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits. ✓ Ensure a feedback on students', teachers' and administration's efficiency. ✓ Enhance interaction of all the interested parties including employers, the community and controlling bodies (the Ministry of Education and Science of Ukraine, the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies. ✓ Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture. 	<ul style="list-style-type: none"> ✍ The common policy of personalized learning is developed and approved as an official document in each partner university. ✍ 2 training programs: “Competency-based personalized learning and formative assessment in the system of higher education quality assurance”, “Opportunities of open virtual educational platforms for students and teacher. Use of Testing and Learning Intelligent System SMART-PL for teachers and students” are ready and adjusted by Project Leader. ✍ 2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance are prepared. ✍ Number of people who use the SMART-PL platform – students / teachers. ✍ Number of trainings, workshops, seminars held both within the universities participating in the project and for other universities – online / offline / hybrid modes. ✍ Number of teachers and administrative staff who have completed advanced training. ✍ Number of staff and students, who attended training events, participated in study visits and workshops – online /offline / hybrid modes. ✍ Recommendations within the framework of the NAQA on the implementation of mechanisms of competency-based personalized learning in the practice of partner universities are developed. ✍ Recommendations within the framework of the IHE NAESU"“Inclusion in the educational process of people with special educational needs” are developed. 	<p>research institutions and professional associations representatives).</p> <ul style="list-style-type: none"> ① Universities' official sites. ① Electronic repository of the department. ① Reports, tender documentation, departments' documentation. ① Regulatory and legislative framework. ① Multilateral agreement. ① Promotion in mass media. ① EU&UA evaluation reports. 	
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<p>Outputs (deliverables) <i>List the deliverables (grouped in work packages) that the project is committed to produce. These must be stated as results</i></p> <p>WP 001. Project Management: 1.1. Kick-off meeting was held 1.2. Final reports on project implementation prepared</p> <p>WP 002. Development of methodological support for a model of personalized learning: 2.1. Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning was carried out 2.2. Teaching staff of Ukrainian beneficiaries underwent retraining at 2 EU universities 2.3. The internal regulations on the use of personalized learning were developed / updated and approved by the UA university authorities 2.4. "Competency-based personalized learning and formative assessment in the system of higher education quality assurance" – training program was developed and ready to use</p> <p>WP 003. Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment 3.1. SMART-PL online platform is ready to use 3.2. "Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students" – training program was developed and ready to use</p> <p>WP 004. Organization of University Co-working Centres «Learning with No Limits» at the each partner university 4.1. The equipment was purchased in full, Co-working Centers «Learning with No Limits» were opened in 6 Ukrainian universities 4.2. Recommendations "Inclusion in the educational process of people with special educational needs" were jointly developed by consortium members</p>	<p>WP 001. Project Management: 1.1. Number of participants, agenda, presentations 1.2. Reports</p> <p>WP 002. Development of methodological support for a model of personalized learning: 2.1. Number of staff and students who took part in the survey, reports 2.2. Number of teachers who have been retrained at EU universities 2.3. Approved internal documents in 6 UA Universities 2.4. Training program, presentation materials</p> <p>WP 003. Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment 3.1. Online learning platform, ready to be used with the educational process 3.2. Training program, presentation materials</p> <p>WP 004. Organization of University Co-working Centres «Learning with No Limits» at the each partner university 4.1. A complete list of purchased equipment is installed in classrooms at 6 Universities. The software is installed. The center was put into operation in accordance with the internal regulations of each university 4.2. Recommendations in e- form, approved by the management of each university 4.3. Number of staff who took part in the consultation events, feedbacks 4.4. Number of bilateral agreements</p> <p>WP 005. Practical approbation of the model of personalized learning and intellectual tutoring 5.1 Number and list of teachers who underwent 2 training 5.2. Number of disciplines, number of students who have completed learning disciplines</p> <p>WP 006 Quality Assurance</p>	<p>WP 001. Project Management: 1.1. Agenda, list of presence, invoices, tickets , photos, videos, reports 1.2. Reports in e-format, tables Monitoring and evaluation reports, positive feedbacks from teachers, students and stakeholders</p> <p>WP 002. Development of methodological support for a model of personalized learning: 2.1. Questionnaires, reports about results 2.2. Registration list of participants, invoices, tickets, presentations of participants, photo, video materials, reports, reports of evaluation. 2.3. internal documents in 6 UA Universities on Universities' sites 2.4. Training program, presentation materials in e-format</p> <p>WP 003. Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment 3.1. Efficient online-platform, specifications, technical documentation in e-format 3.2. Training program, presentation materials in e-format</p> <p>WP 004. Organization of University Co-working Centres «Learning with No Limits» at the each partner university 4.1. Tender documentation, orders, acts of acceptance of equipment for registration at Universities 4.2. Recommendations are published at universities' web-sites</p>	<p>Compliance with 3 conditions:</p> <ul style="list-style-type: none"> - MESU and educational Agencies support university's initiatives in the quality management of higher education; - Academic staff is ready to change the approach to working with students and is ready to do additional work for this - Students are ready to share responsibility for learning outcomes and the development of professional competencies
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<p>4.3. Consultations on inclusive education were held for administrative and teaching staff (in a hybrid format) on the basis of co-working centers</p> <p>4.4. Agreements on creative cooperation were signed between Universities - participants of the consortium</p> <p>WP 005. Practical approbation of the model of personalized learning and intellectual tutoring</p> <p>5.1. Teachers selected on a competitive basis underwent training in the aspect of personalized learning and the use of the SMART platform</p> <p>5.2. In each of the 6 academic universities, 10 pilot disciplines are prepared for study in the framework of a personalized approach and using the SMART online platform. Students have been trained</p> <p>WP 006 Quality Assurance</p> <p>6.1. The Project Coordinator approved the quality assurance documentation: Quality Assurance Plan, Project Manual</p> <p>WP 007. Dissemination</p> <p>7.1. Project logo and promotional documentation templates approved</p> <p>7.2. The official website of the project, the FB page of the project, as well as the project pages on the websites of the universities participating in the consortium have been created</p> <p>7.3. 2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance are prepared</p> <p>7.4. Submitted for publication (published) joint scientific papers of the project participants on personalized learning, inclusion, information technology in education</p> <p>7.5. The final conference on personalized learning, innovation, inclusion, and the use of information technology in education was held</p>	<p>6.1. Quality Assurance Plan, Project Manual</p> <p>WP 007. Dissemination</p> <p>7.1. Project logo and templates approved by the team</p> <p>7.2. official website of the project, the FB page of the project, as well as the project pages on the websites of the universities participating in the consortium</p> <p>7.3. 2 e-books</p> <p>7.4. Number of publications</p> <p>7.5. Number of participants, agenda, presentations, collection of papers</p>	<p>4.3. Registration list of participants, photo, video materials, reports, feedbacks</p> <p>4.4. Bilateral agreements signed by the heads of universities, published on the official websites of universities</p> <p>WP 005. Practical approbation of the model of personalized learning and intellectual tutoring</p> <p>5.1 List of applicant teachers; list of selected teachers, questionnaires</p> <p>Agendas, lists of presence, photo, video materials, reports, feedbacks</p> <p>5.2. Teaching materials in e-format, curricula, list of students, list of teachers, presentations of learning outcomes, reports, feedbacks</p> <p>WP 006 Quality Assurance</p> <p>6.1. Approved Quality Assurance Plan, Project Manual in e-format</p> <p>WP 007. Dissemination</p> <p>7.1. Use of the project logo and templates for all external and internal documentation</p> <p>7.2. links</p> <p>7.3. 2 e-books published on official website of the project and other public domain</p> <p>7.4. Confirmation of publications of scientific papers in scientific journals, collections of conference reports, links, photos and video conferences</p> <p>7.5. Agenda, list of presence, invoices, tickets, photos, videos, reports, collection of papers</p>	
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<p>Activities: <i>List the key activities to be carried out (grouped in work packages) and in what sequence, in order to produce the expected results.</i></p> <p>WP 001. Project Management 1.1. Kick-off meeting 1.2. Grant Agreement and other documentation signing 1.3. Project Manager Board establishing 1.4. Following up the project progress, corrective actions. 1.5. Current project reporting, monitoring 1.6. Final reports</p> <p>WP 002. Development of methodological support for a model of personalized learning 2.1. Benchmarking of the best European practice of personalized learning 2.2. Retraining of Partner Countries universities staff by EU specialists «Best European practice of personalized learning, methodological and technical support for its implementation» 2.3. Formation of shared policy of personalized learning for participant universities, based on the recommendations of European partners 2.4. Developing a mechanism of measuring academic success, acquiring knowledge and skills including the sequence of assessment stages (when, what and how to assess) in order to determine students' progress in achieving Learning outcomes 2.5. Development of a training program "Competency-based personalized learning and formative assessment in the system of higher education quality assurance" 2.6. Developing standard documents of implementing a model of personalized learning into practices of University-partners</p> <p>WP 003. Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment 3.1. Creation a sitemap and system framework</p>	<p>WP001 Staff time – 40 persons/month Mobility flow to kick-off to Tallinn (Estonia)</p> <p>WP002 Staff time – 45 persons/month Mobility flow to retraining to Gent (Belgium), Wroclaw (Poland) Workshop in Kyiv (Ukraine)</p> <p>WP003 Staff time – 26 persons/month Mobility flow to presentation of the SMART online platform and workshop to Odessa (Ukraine)</p> <p>WP004 Staff time – 31 persons/month Equipment 21500 euro X 6</p> <p>WP005 Staff time – 53 persons/month</p> <p>WP006 Staff time – 14 persons/month Mobility flow to QAT meeting to Gent (Belgium) Subcontracting 6500 euro</p> <p>WP007 Staff time – 38 persons/month Mobility flow to Final Conference to Lviv (Ukraine)</p>	<p>Financial documentation, timesheets, travel reports, orders invoices, tender documentation</p>	<p>Pre-conditions: - Support by the Ministry of Education and Science of Ukraine and relevant organizations of innovative initiatives, related to ensuring and improving the quality of higher education; - Implementation support by the Ministry of Education and Science of Ukraine and relevant organizations of concepts of, personalized learning, formative assessments; - Legitimate opportunity to use ICT tools for student assessment - Universities' needs and the needs of reformation of high education in Ukraine have been assumed and properly evaluated (verified in planning stage).</p>
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<p>3.2. Creation of a module for testing the basic level of competencies and assessing the progress of learning</p> <p>3.3. Creation of a module for constructing a "personalized educational diagram" of a student for the formation of an individual learning path</p> <p>3.4. Creation of resources for filling and sharing information</p> <p>3.5. Creating resources for communication and feedback</p> <p>3.6. Development of a policy for sharing the SMART platform by project participants, as well as a strategy for developing the platform outside the project</p> <p>3.7. Development of training program: "Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students"</p> <p>WP 004. Organization of University Co-working Centers «Learning with No Limits» at the each partner university</p> <p>4.1. Organization of University Co-working Centers «Learning with No Limits» at each partner university</p> <p>4.2. Purchasing of equipment, including hardware and software for hybrid learning at PC universities</p> <p>4.3. Development of a roadmap for the development and use of centers</p> <p>4.4. Development of methodological recommendations "Inclusion in the educational process of people with special educational needs"</p> <p>4.5. Conducting trainings for administrative staff in a hybrid mode</p> <p>4.6. Signing of cooperation agreements between universities and external stakeholders</p> <p>WP 005. Practical approbation of the model of personalized learning and intellectual tutoring</p> <p>5.1 Establishment of interuniversity teaching groups to develop pilot training courses</p> <p>5.2. Conducting trainings for selected teachers in a hybrid mode.</p> <p>5.3. Adaptation of pilot course materials for use on the SMART platform</p>			
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<p>5.4. Testing of pilot courses using the SMART platform at each partner university during one semester.</p> <p>5.5. Questionnaire of students and teachers of pilot courses</p> <p>5.6. Analysis of the effectiveness and evaluation of the quality of the use of the platform and the model of personalized learning and recommendations for improvement</p> <p>WP 006. Quality Assurance</p> <p>6.1. Establish Quality Assurance and Monitoring Team</p> <p>6.2. Quality Assurance plan with milestones</p> <p>6.3. Development of a Project Manual</p> <p>6.4. Quality Assurance setup, assessment and monitoring</p> <p>WP 007. Dissemination</p> <p>7.1. Information/promotional materials</p> <p>7.2. Project Web Portal and social media</p> <p>7.3. Dissemination and Exploitation Plan development</p> <p>7.4. Universities' preparing electronic books on competence-related personalized education guided by the the National Agency for Higher Education Quality Assurance</p> <p>7.5. Organization of the final conference on digital learning, personalized learning and lifelong learning issues</p> <p>7.6. Scientific publications on digital learning , personalized learning and lifelong learning issues and project results</p> <p>7.7. Hosting and maintenance of Web Portal and SMART platform beyond the project</p>			
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2.1.3 Project teams, staff and experts

Project teams and staff			
<p><i>Describe the project teams and how they will work together to implement the project.</i></p> <p><i>List the staff included in the project budget (budget category A) by function/profile (e.g. project manager, senior expert/advisor/researcher, junior expert/advisor/researcher, trainers/teachers, technical personnel, administrative personnel etc. and describe shortly their tasks. If required by the call, provide CVs of all key actors. If required by the Call document/Programme Guide.</i></p>			
Name and function	Organisation	Role/tasks	Professional profile and expertise
Tanel Kerikmäe	TalTech	Project manager / T 1.1-1.6; T2.1 T 2.3; T 3.1 T 3.6; T 4.3, T 4.6; T 5.5-5.6; T 6.1-6.4; T 7.1-7.3; 7.7	Tanel Kerikmäe is Professor of Law and Director of the TLS. He holds academic degrees in law, political science, and governance from Tartu, Tallinn, and Helsinki, and was awarded Doctor of Laws honoris causa at the Jaroslav Mudryi National Law University and honorary professor at the Ho Chi Minh City University of Law. His research interests and expertise lie in the field of European law and policy, specifically legislative drafting, legal analysis, and institutional reform. He notably served as the head of the research group preparing the legal strategy for the Estonian Artificial Intelligence for Government Office and has been involved in several other law and technology-related initiatives and development projects. He has also been active as an expert consultant to various international organisations such as UNESCO, WHO, ICF, and Deloitte, and has been an invited speaker at various high-level forums including Brussels, Tokyo, Beijing, Budapest, and Auckland.
Archil Chochia	TalTech	Senior Researcher / T 2.3-2.5; T 3.2-3.5, T 3.7; T 4.3-4.4; T 5.5-5.6; T 7.6	Dr. Archil Chochia is a Senior Researcher at TalTech Law School of Tallinn University of Technology. Dr. Chochia obtained his doctoral degree from Tallinn University of Technology in 2013. He has more than 90 academic publications and is a co-editor of the books "Political and Legal Perspectives of the EU Eastern Partnership Policy" (Springer, 2016), "Brexit: History, Reasoning and Perspectives" (Springer, 2018) and "Russian Federation in the Global Knowledge Warfare - Influence Operations in Europe and Its Neighbourhood" (Springer, 2021). Archil is a managing editor of TalTech Journal of European Studies. Archil is a Senior Fellow of Weinstein International Foundation.
Jakob Kübarsepp	TalTech	Senior adviser / T 2.3-2.5; T 3.2-3.5, T 3.7; T 4.3-4.4; T 5.5-5.6; T 7.6	Vice-Rector of Academic Affairs of Taltech until 2017, Estonian HE expert and one of the European internationalization integration leader in Estonia. Professor in mechanical engineering sciences. Various tasks and projects undertaken in HE development in entrepreneurial education and financial management.
Madli Krispin	TalTech	Senior expert Contact person / T1.4-1.5; T 6.4	International programs and projects development, institutional and national level HRM development activities, Coordination on national level the activities of the European Association of Women in Science and Technology, WITEC http://www.witec-eu.net/ , SEFI, UNICA, CESAER, EUA, University Industry EUE Network coordinator and contact person at the university http://www.ttu.ee/?id=22301 Working and business models involving the 3 actors: Enterprise, university and students presented at international conference EUE-Net European University-Enterprise Cooperation network related to HRM. Internationalization of HE in Estonia: institutional model of entrepreneurial university based on Taltech model presented at international conferences. Implementing institutional strategy: problems and solutions in future policies.
Johan Van den Bossche	KU Leven	Manager / T 1.1-1.6;	He is a former chair of the Leuven Engineering and Science Education Center (LESEC). At this moment he is Policy Advisor Learning Technologies, supporting the educational staff in using learning technologies and vice-chairman of the Technology Campus Ghent of the Faculty of Engineering Technology.



			<p>Experience: Johan Van den Bossche graduated from U Gent as a Master in Engineering Physics (1989), PhD in Engineering Science (1995) and as teacher in Physics (1992). Since 1999 he is associated with the Faculty of Engineering Technology, teaching courses on Physics, Fluid Dynamics and Statistics. He did research on the use of flipped classroom, voting systems, weblectures and videoconferencing. Within LERU he is active in promoting digital learning.</p> <p>Selected publications: 1. Van den Bossche, J., Koppen, E., Langie, G. (2014). Implementation and evaluation of videoconferencing in a multi-campus engineering faculty. In: INTED2014 Proceedings, (Paper No. 1355), (1596-1599). Presented at the INTED2014, Valencia, Spain, 10 Mar 2014-12 Mar 2014. Valencia. 2. Van den Bossche, J., Verliefe, N., Vermeyen, A., Van den Bunder, C. (2012). The use of weblectures and its effect on learning in higher and university education. Presented at the New perspectives in science education, Firenze (Italy), 01 Jan 2012-01 Jan 2012. 3. D'Haeseleer, K., Dendooven, L., Fronck, B., Van den Bossche, J., Vermeyen, A. (2011). "Click here" for ACTION: About implementing 'clickers' in the science classroom - experiences and devices. Presented at the International Technology, Education and Development Conference (INTED), 07 Mar 2011-09 Mar 2011. 4. Van den Bossche, J., Verliefe, N., Vermeyen, A. (2010). Didactic scenario's for an effective use of weblectures: a collaborative research project in higher and university education to maximize the use of weblectures and its effect on learning. Presented at the INTED, Valencia (Spain), 08 Mar 2010-10 Mar 2010 5. Verliefe, N., Stevens, L., D'haenens, B., Vermeyen, A., Kaat, R., De Gendt, M., Van Caelenberg, C., Stifkens, K., Van Rampelberg, S., Neijens, T., Van den Bossche, J. (2011). Comparing the efficiency and effectiveness of different learning media designs for the preparation of skills training in a blended learning context. Presented at the International Conference on Education and New Learning Technologies, Barcelona, 04 Jul 2011-06 Jul 2011</p>
Hanne Deprez	KU Leven	Researcher / T 2.1-2.5; T 3.2-3.5, T 3.7; T 4.1-4.4; T 5.5-5.6; T 6.1-6.4; T 7.1-7.3; T 7.7-7.8	Hanne Deprez graduated from KU Leuven as a Master in Electrical Engineering (2015), PhD in Engineering Science (2018) and teacher in Mathematics and Physics (2018). Since 2018, she has been associated with the Faculty of Engineering Technology. Experience: She supports first year students in mastering course contents and obtaining suitable study methods. If necessary individual learning paths are proposed to the students. She is also involved in the Master of Teaching Programme, guiding iSTEM didactics courses. Finally, she has a strong interest in learning analytics and has built up the necessary experience in competence based learning via the TOLEDO on-line platform from KU Leuven.
Mariusz Mazurkiewicz	PWR	Project manager Contact person / T 1.1-1.6; T2.1 T 2.3; T 3.1 T 3.6; T 4.3, T 4.6; T 5.1, T 5.4-5.6; T 6.1-6.4; T 7.1-7.3; 7.7	2005-2012 Vice Dean, Faculty of Computer Science and Management. 2012-2014 Deputy Director for Education, Institute of Management 2007-2008 local coordinator of QUESTE-VET (Quality Assurance Quality System of European Scientific and Technical Education-Vocational Education and Training) Leonardo da Vinci project (project number 2006-B/06/B/F/PP-144.007). 2010 – 2012 contact person, project TEMPUS DIUSAS (2010-2844/001-001, 510950-TEMPUS-2010-1-DE-TEMPUS-SMGR) in field quality assurance in HEI. 2010 – 2013 local coordinator of project QUESTE-SI (LLP ERASMUS, 510682-LLP-1-2010-1-BE-ERASMUS-EMHE) in field quality assurance in HEI in the term of sustainable development, social responsibility. 2012 – 2016 project manager, project of Ministry of Science and Higher Education Republic of Poland in field of improvement of Computer Science and System Engineering specializations in term



			<p>efficiency of education in Faculty of Computer Science and Management to meet labour market requirements.</p> <p>2015 –2018 project manager - QUALITY ASSURANCE SYSTEM IN UKRAINE: DEVELOPMENT ON THE BASE OF ENQA STANDARDS AND GUIDELINES (QUAERE) 562013-EPP-1-2015-1-PL-EPPKA2-CBHE-SP</p> <p>2016 – 2019 Dean's plenipotentiary for international study programme Neisse University (http://www.neisse-uni.org)</p> <p>2020 – Vice Dean, Faculty of Management.</p>
Jan Kwiatkowski	PWR	Senior Researcher / T 1.1-1.6; T2.1 T 2.3; T 3.1 T 3.6; T 4.3, T 4.6; T 5.1, T 5.4-5.6; T 6.1-6.4; T 7.1-7.3; 7.7	<p>Dean's plenipotentiary for international study programs (computer science, computer engineering), international student's exchange and international cooperation,</p> <p>Coordinator of international project S-JEP-07989-94 „Teaching Parallel Processing: Development Of Curriculum And Software Tools”, Member of steering committee of international projects jep-11137-96, „industrial software development”, grant holder of international project jep_26182_2005 “EU-UA master degree in software engineering”, member of steering committee of Em2-Stem, Sigma, Phenix Erasmus-Mundus Projects.</p>
Jerzy Swiątek	PWR	Senior adviser / T 1.1-1.6; T2.1 T 2.3; T 3.1 T 3.6; T 4.3, T 4.6; T 5.1, T 5.4-5.6; T 6.1-6.4; T 7.1-7.3; 7.7	<p>Full professor. Head of informatics division on faculty of computer science and management in WUST. Former vice rector for education of wust. Initiator of international education in WUST. Former dean of faculty of computer science and management. Former member of polish accreditation committee. Former president of polish accreditation committee for technical universities. Former expert of implementation of bologna process in polish hei's appointed by ministry of science and higher education in Poland. Active researcher in system sciences field and it applications for biology and neuroscience. Innovator of educational programs in WUST. His list of it publications includes over 50 published (international and national level) papers, monographs etc.</p>
Agnieszka Bieñkowska	PWR	Adviser / T1.4-1.5; T 6.4	<p>Academic teacher since 2002, currently profesor at WUST, Faculty of Computer Science and Management.</p> <p>Relevant skills: identification of needs in the field of education content, preparation of study programs, supervision the implementation of study Developing future - oriented academic curricula in Teacher Education with innovative methodologies for Nex-Gen Asian HEIs /FRACTION programs, coordination of the team's work in the development and implementation of new study programs, curricula development, project management, training preparation and execution, teaching skills analysis.</p> <p>Relevant experience:</p> <p>1.(2008-2012) Deputy Director for teaching at the Institute of Organization and Management and among other tasks, coordinator and supervisor the work associated with the current teaching process in the Institute of Organization and Management, and the development of educational programs; Co-author of educational programs for first and second degree studies in Management in Polish and for the first degree studies in English conducted by the Faculty of Information Technology and Management.</p> <p>2.(2012-2016) Vice Dean Vice Dean for teaching at Faculty of Computer Science and Management at WUST, responsible for all matters related to the didactics in all fields of study, including the preparation of the Faculty to conduct an institutional accreditation audit. Member of the team responsible for the implementation and approval of the MBA program, as well as for the organization of these studies at the Faculty of Computer Science and Management PWR</p> <p>3.(2016-...) Chair of Program Committee in the field of study Management Engineering – main task: improvement of educational programs.</p> <p>Prof Bieñkowska has also experience with CBHE projects:</p> <p>- (2016-2017) Participant of the project: Erasmus+ QUAERE project – Quality Assurance system in Ukraine: Development on the base of ENQA standards</p>



			and guidelines, ERASMUS +, QUAERE-562013-EPP-1-2015-1-PL-EPPKA2-CBHE-SP, Main tasks: preparing and conducting workshops on the topic of building systems to ensure the quality of education. 1- 2017-2018) Participant of the project: Erasmus+ "Establishment of Capacity Building Centers as a sustainable solution to raise the standards of teaching staff in Indian HEIs" (573616-EPP-1-2016-1-PL-EPPKA2-CBHE-SP) - 2017-2018. Main tasks: development and analysis of survey for assessment of teaching skills, development of a tool for trainings participants selection, development of a e-learning and training materials for a given topic.
Vitaliy Kukharskyy	IFNUL	Project manager /T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2, T 4.4; T 5.1; T 5.6; T 6.- 6.4; T 7.1- 7.3, T 7.5;	Vice-Rector for Research, Teaching and IT-Development Associate Professor. Expert of the Horizon 2020 Program in the Program Committee "Information and Communication Technologies" Experience in application of information technologies and project management tools in the development and creation of new methodologies and standards of university courses curricula. Scholarly stays at European Universities: - 2009 – University of Koblenz and Landau, Germany. E-government. Strategic Network Management. Research Methods in Information Systems. - 2009 p. Maria Curie-Sklodowska University, Lublin, Poland. E-Learning Techniques, Methods and Application. Designing E-Learning (Methodology, Authoring Tools, Platforms). E-Learning Solutions. IT Systems for Local Government. Organizational Aspects of E-Learning. - 2010 p. Technical University in Kosice, Slovakia. EU E-Government Projects at Technical University of Kosice. Information Systems at the Technical University of Kosice. Overview of Security Threads. Introduction to Data Warehousing. - 2010 p. University of Koblenz and Landau, Germany. Research Methods in IS. E-Government. Virtual Goods. International Economics. - 2013 p. University of Koblenz and Landau, Germany. Learning Outcomes. Higher Education Policy. University IS. IT in Education. ERP Systems. - 2014 p. University of Koblenz and Landau, Germany. IT in Education. QA: Learning Outcomes for Learning Environment. Information Technology Software and Hardware Tools in Education. - 2016 p. Danube University Krems, Austria. University ERP system. Management Information Systems Influence on Decision Making Process and Quality Assurance. Challenges in Implementing ERP System in Large Organizations: Similarities and Differences Between Corporate and University Environment - 2016 p. University of Koblenz and Landau, Germany. Quality Assurance in Higher Education Experience as a University Coordinator of the number of research/educational projects: - ERASMUS Project 562013-EPP-1-2015-1-PL-EPPKA2-CBHE-SP«Quality Assurance System in Ukraine: Development on the Base of ENQA Standards and Guidelines» - TEMPUS Project 530601-TEMPUS-1-2012-1-PL-TEMPUS-SMHES "Informatics and Management: Bologna-Style Qualification Frameworks" dedicated to development of sectorial qualification frameworks in informatics. - TEMPUS Project 530181-TEMPUS-1-2012-1-DE-TEMPUS-SMGR "Integrated University Management System: EU Experience on NIS Countries' Ground" devoted to University Information Management System concepts development. Coordinator of set of international projects: INURE, INARM in the framework of TEMPUS and QUAERE, UTTERLY in the frame of ERASMUS+ KA2 One of founders and Chairman of the NGO "Laboratory of Ideas" Chairman of the NGO "Lviv University Alumni Association"



Olha Oseredchuk	IFNUL	Senior expert Contact person / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	Associate Professor. Chief marketing officer at Ivan Franko National University of Lviv. Expert, trainer for experts, Head of the sectoral expert council (culture and art) at National agency for higher education quality assurance. Scholarship: Ukraine's new accreditation system: building on UK best practice. British Council, NAQA Ukraine [07/12/2020 – 08/12/2020] Certificate for trainers programme. British Council [10/09/2019 – 13/09/2019] Ukraine Higher Education Teaching Excellence Programme. British Council, Advance HE [15/05/2020 – 17/12/2020] University management. Leadership programme. Lviv Business School of UCU (LvBS) [01/10/2018 – 01/04/2019] Training "Innovation university: communication strategy and cooperation schooluniversity". Warsaw University / Jagiellonian University [05/11/2018 – 30/11/2018] Training for trainers for experts on quality assurance Institute of higher education of the National Academy of educational sciences of Ukraine [16/10/2018 –19/10/2018]. Project experience: - TEMPUS Project TEMPUS "Informatics and Management: Bologna-Style Qualification Frameworks" dedicated to development of sectorial qualification frameworks in informatics; - TEMPUS Project TEMPUS "Integrated University Management System: EU Experience on NIS Countries' Ground"; - ERASMUS Project QAERE «Quality Assurance System in Ukraine: Development on the Base of ENQA Standards and Guidelines»; -ERASMUS Project INTERADIS “International Students Adaptation and Integration” (2020 - 2023) -ERASMUS Project UTTERLY “Teachers’ certification centres: innovative approach to promotion teaching excellence” (2021-2023); - University open space (October 2017 – still active) – student creative space in the Lviv Ivan Franko University, - Trining school “The Space of Informal Education” (October 2017) - different master-classes for students; - Organizational ans strategic planning trainings for NGO "Laboratory of ideas" (16 January - 20 May 2018) funded by platforms of Civil Society Development “Marketplace” grant contest funded by the US Agency for International Development (USAID); - The “University Creative School” project (April-May 2018) - aim of the project is to popularize the idea of social entrepreneurship, to form environment of young experts in this field; - as a scientific adviser for the project "Alma Mater Leopoliensis, History of Humanitarian Sciences of Lviv 1661-1946" from the Ivan Franko National University of Lviv. - "Franko Store" - started at march 2018 as fundraising company, now it work as social enterprises -University brand store. Expereience of working with university legislation, regulation documents and development of University concept and University, development trends. Project management tools in the development and creation of new methodologies and standards of university courses curricula. Participated in international program.
Yarema Savula	IFNUL	Senior adviser / T 1.5-1.6; T 4.1-4.2	Doctor of Physical and Mathematical Sciences, Professor, Head of Department of Applied Mathematics. President of IL, Professor, Vice Chairman of ADVISORY COUNCIL in natural and Mathematical Sciences at the State Accreditation Commission of Ukraine with licensing and accreditation of higher education institutions, Member of Committee on the Applied Mathematics and Informatics of Scientific and Methodological Council of the Ministry of Education and Science of Ukraine, scientific and methodical Commission on Higher Education. Research interests Mathematical modelling in Mechanics, Mathematical modelling of Heat and Mass Transfer Heterogeneous Multiscale Modeling in Computational Mechanics



			Member of National Committee of Theoretical and Applied Mechanics; Member of Ukrainian Academy of Science of High School 2012-2014, Team member of Tempus grant EARL: Eastern-European Qualification Framework in the Field of Informatics and Management.
Yuriy Yashchuk	IFNUL	Senior Researcher / T 2.1-2.6; T 3.1, T 3.6- 3.7; T 4.3- 4.6; T5.2- 5.6; T 7.4, T 7.6.-7.7	Associate Professor at Department of Applied Mathematics, Ph.D. in Mathematical Modelling and Numerical Methods. Has profound knowledge in programming – 10 years of participating in development of different commercial software. Gives studies in Numerical Methods of Mathematical Physics, Software Development, Databases and Web-development. Other Academic Activities Since 2015 – Executive Coordinator of Double Degree Master Program in Applied and Interdisciplinary Mathematics (“InterMaths”, http://intermaths.eu) from Ukrainian side: developing agreements and study plans; ranking and selection; other related activities. 2012-2021 – Scientific Secretary of the Department of Applied Mathematics, Ivan Franko National University of Lviv. Since September 2021 – Acting Head of the Department of Applied Mathematics, Ivan Franko National University of Lviv. Since 2019 – Guarantor of the BSc in Applied Mathematics study program: leading further development of the study program. Awards and Scholarships received: 2011 – Scholarship from Cosbild Fund (Canada) as a Ph. D. student. -April - May 2015 – Erasmus Mundus scholar-scholarship, University of L’Aquila (Italy). 2015 – Lviv regional award for talented young scientists (Ukraine). 2016 – 3-months temporary contract as a visiting professor, University of L’Aquila (Italy). 2016 – President’s of Ukraine Award for Young Scientists. January 2017 – One-month OeAD (Austrian agency for international mobility and cooperation in education, science and research) scholarship for research in Vienna Technical University.
Natalia Morkun	KNU	Project manager Contact person / T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2, T 4.4; T 5.1; T 5.6; T 6.- 6.4; T 7.1- 7.3, T 7.5;	Prof. Natalia Morkun Head of the Department of Automation, Computer Science and Technology. Rreceived an engineering degree in the specialty computerized control systems and automatics in the Kryvyi Rih Technical University, in 2001 and Ph.D. degree in automation of control processes from KRNU, in 2005. From 2005 to 2016, worked as an Associated Professor of the Economics Cybernetics and Projects Management Department. In 2017 became a Doctor of science in automation. From 2017 is the Head of the Department of Automation, Computer Science and Technology. The author of five books, more than 150 articles, and 30 patents. Her research interests include Project Management, Knowledge Management and Knowledge Management Systems, design and implementation of information systems, optimization of production systems, adaptive control, neural and fuzzy systems, intelligent control, nonlinear systems, manufacturing process control, the search for new ways of applying information technologies in various spheres of life. She has a practical experience in development of complex software systems. Laureate of the President of Ukraine Prize for Young Scientists (Presidential Decree No. 419/2018 dated December 7, 2018). KNU Project Leader in the EU ERASMUS+ 619227-EPP-1-2020-1-UA-EPPKA2-CBHE-JP: «University teachers' certification centres: innovative approach to promotion teaching excellence» (2021 –2022). Within the framework of the project, completed an internship "University teachers' certification centres" on 22.11.2021-26.11.2021, University of Bayreuth (Germany). KNU Coordinator of IT Direction in the EU ERASMUS+ 609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP: «Development of practically-oriented student-centred education in the field of modelling of Cyber-Physical Systems - CybPhys» (2019 –2022). Within the framework of the project, completed an internship "English language course for academic staff" on 13.09.2021-17.09.2021, Katholieke Universiteit Leuven, Campus Brugges (Belgium).



			<p>Participated in the project «Innovation University and Leadership. Phase V: Interdisciplinarity and University Strategies Development », Poland. Within the framework of the project, completed an internship on 04.11.2019-29.11.2019, University of Warsaw, Krakow Jagiellonian University (Poland).</p> <p>Participated in the EU TEMPUS 543966: «Higher engineering training for environmentally sustainable industrial development» (2013 – 2017). Within the framework of the project, completed an internship at the University of Granada (Spain); Katholieke Universiteit Leuven, Campus Gent (Belgium).</p>
Iryna Zavsiehdashnia	KNU	Senior Researcher / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	<p>Dr. Iryna Zavsiehdashnia, Ph.D., Associate Professor of Department of Automation, Computer Science and Technologies Kriviy Rih National University, DipMngt (Open). She has 15 years of work experience in the field of economic-mathematical modeling and project management, has over 40 scientific, research and methodical works. Areas of expertise: teaching, training and scientific research in economic cybernetics, economic-mathematical modeling, project management, e-commerce. cybernetics, economic-mathematical modeling, project management, e-commerce. She lectures the courses: System Analyze, Mathematical Optimization Methods, Project Decision Making, Project Cost Management.</p> <p>Within the framework of the project EU ERASMUS+ 619227-EPP-1-2020-1-UA-EPPKA2-CBHE-JP: «University teachers' certification centres: innovative approach to promotion teaching excellence» (2021 –2022), completed an internship "University teachers' certification centres" on 22.11.2021-26.11.2021, University of Bayreuth (Germany).</p> <p>Within the framework of the project EU ERASMUS+ 609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP: «Development of practically-oriented student-centred education in the field of modelling of Cyber-Physical Systems - CybPhys» (2019 –2022), completed an internship "English language course for academic staff" on 13.09.2021-17.09.2021, Katholieke Universiteit Leuven, Campus Brugges (Belgium).</p>
Ivan Muzyka	KNU	Administrative / T 2.1-2.6; T 1.5-1.6; T 4.1-4.2	<p>Associate Professor Ivan Muzyka Dean of the Faculty of Information Technology. Received an engineering degree in the specialty computerized control systems and automatics in the Kryvyi Rih Technical University, in 2008 and Ph.D. degree in Information Technology in Petro Mohyla Black Sea National University, in 2012. From 2014 to 2019, worked as an Associated Professor of the Computer Systems and Networks Department. From 2020 is the Dean of the Faculty of Information Technology. The author of 2 books, more than 80 articles, and 2 patents. His research interests include Programming, Web Development, Parallel and Distributed Computing, Computer Systems. He has a practical experience in development of complex software systems.</p> <p>In 2014 Ivan Muzyka got a scholarship of the Cabinet of Ministers of Ukraine for young scientists.</p> <p>In 2017 he took part in the preparation of the application for the project directly FOF-09-2017 "Novel design and predictive maintenance technologies for increased operating life of production systems" at the international program Horizon 2020.</p> <p>Participated in the EU TEMPUS 543966: "Higher engineering training for environmentally sustainable industrial development" (2013–2017). Within the framework of the project, completed an internship at the Katholieke Universiteit Leuven, Campus Gent (Belgium).</p>
Anton Panteleimonov	KKNU	Project manager Contact person / T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2,	<p>Vice-President for Research and Education, Associate Professor. Chairman of the Board of the Public Union Kharkiv University Consortium.</p> <p>Member of the working group on the preparation of a comprehensive draft Law of Ukraine "On amendments to Law of Ukraine "On Higher Education".</p>



		T 4.4; T 5.1; T 5.6; T 6.- 6.4; T 7.1- 7.3, T 7.5;	<p>Member of the Scientific and Methodological Commission on the organizational and methodological support of higher education (Subcommittee 303 Academic Virtue) (2016-2017).</p> <p>Postdoctoral fellow, University of Campinas, SP, Brazil</p> <p>Specialization and fields of interest: Informatics and informational technology, digitalization in higher education, e-learning, quality assurance monitoring of educational process, life-long learning, student oriented learning.</p> <p>Project related key skills: teamleader, scientific and research processes, monitoring of the project implementation and their quality, experience in application of information technologies and project management tools in the development and creation of new methodologies and standards of university courses curricula, management of international and Ukrainian project activities,. Experience of working with university legislation, regulation documents and development of University concept and University, development trends</p> <p>Recent R&D projects: «Innovation University and Leadership. Phase V: Interdisciplinarity and University Strategies Development», Poland. Coordinator of the Project «Promoting Academic Integrity in Ukraine in Partnership with American Councils» (SAIUP). This initiative is aimed at transforming the outdated educational system by improving the reputation of Ukrainian universities, integrating proven international academic practices, and creating a new academic culture based on honesty, transparency, ethics, and respect. “Ukraine Higher Education Leadership Development Programme” (British Council), participant, project «Openness University to society and business» - 2017-2018, team leader. “High Five” (Swedish Institute). The aim was to develop a roadmap for long term collaboration between Swedish and Eastern European Universities – 2018-2019, team leader.</p>
Oleksandr Khyzhniak	KKNU	Senior expert / T 2.1-2.6; T 3.1, T 3.6- 3.7; T 4.3- 4.6; T5.2- 5.6; T 7.4, T 7.6.-7.7	<p>Doctor of Sociological Sciences, PhD in Sociology, Head of International Relations Office.</p> <p>Title of PhD - project – “Social tolerance in sociological dimension” (completed in 2010);</p> <p>Title of post-doc - project – “Collective Action in the Situation of Social Practices Transformation” (completed in 2018).</p> <p>He has 11 years of working experience and more than 50 publications.</p> <p>National expert of USAID project “Fair Justice” (2013-2016) and “New Justice” project (2016-2017) in Ukraine.</p> <p>Specialization and fields of interest: Informational society, innovation and education, social adaptation, tolerance, collective action and collective rights.</p> <p>Project related key skills: management of international and Ukrainian project activities, maintaining international partnership, cooperation with partner organizations, understanding of teaching, scientific and research processes, monitoring of the process and quality of projects, teamworker and good time management. Institutional coordinator for Erasmus+KA107 since 2018.</p> <p>Recent publication: Khyzhniak, O., & Khyzhniak, K. (2017) Traps for internal migration and collective actions of overcoming them (in terms of the military conflict in the East of Ukraine, 2014–2016). European Political and Law Discourse, 4(6), 121-127. https://eppd13.cz/wp-content/uploads/2017/2017-4-6/20.pdf [in English]. Khyzhniak, O., & Mann R. (2017). Active Tolerance as a Collective Project: Global and Local Dimensions. IOSR Journal of Humanities And Social Science (IOSR-JHSS), 22(4, Ver. 6), 13-25. http://dx.doi.org/10.9790/0837-2204061325 [in English]. Khyzhniak, O., & Davidovich N. (2017). Communicative mechanisms for transforming the mass into the collective (in terms of internally displaced persons). European political and law discourse, 4(2), 166-</p>



			<p>176. http://eppd13.cz/wp-content/uploads/2017/2017-4-2/eppd_2017_4_2.pdf [in English].</p> <p>Khyzhniak, O. (2016). Strategic planning of university (school) development as an element of educational policy (Case Study Experience). Youth in Central and Eastern Europe Sociological Studies, 1 (5), 30-50. Av.: http://www.youthjournal.eu/Youth%20Journal%205(1)-2016.pdf [in English].</p> <p>Хижняк, А. (2014). Лабиринты толерантности [Labyrinths of Tolerance]. Харьков, Украина: Харьковский национальный университет имени В. Н. Каразина. http://dspace.univer.kharkov.ua/handle/123456789/12565 [in Russian].</p> <p>Recent R&D projects:</p> <p>“Making Good for Creative Spark Program (British Council) – 2018-present;</p> <p>“International Summer School "Cultural Heritage of Ukraine as a result of crossroad of religions, worldviews, and Politics"- 10–22 August 2020 (DAAD);</p> <p>“Ukraine Higher Education Leadership Development Programme” (British Council) - 2017-2018;</p> <p>“High Five” (Swedish Institute). The aim was to develop a roadmap for long term collaboration between Swedish and Eastern European Universities – 2018-2019;</p> <p>"Institute of Education in the system of ensuring the state information security" (2015-2017);</p> <p>“Institutional and sociocultural models of higher education modernization: world and Ukrainian experience” (2012 - 2014);</p> <p>"Socio-cultural barriers of the higher education modernization in Ukraine: identification and ways to overcome" (2012 - 2013);</p> <p>“Innovative University and Leadership. Phase II: Quality Assurance and Internationalization with the support of the Ministry of Education and Science of Ukraine and the Ministry of Science and Higher Education of the Republic of Poland (October 2015);</p> <p>“Promoting student self-government: from the post-Soviet to the European model (STUGOV) – 2006-2008 (TEMPUS PROGRAMME SM_SCM-T0337A06-2006.</p>
Iryna Soldatenko	KKNU	Senior Researcher / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	<p>PhD in Sociology, Associate Professor, Department of Applied Sociology and Social Communications.</p> <p>Title of PhD - project – “Communicative Activity of University and Public Relations”.</p> <p>She has 19 years of working experience and more than 50 publications. Course leader and ideology of MA programs at School of Sociology.</p> <p>Director of PR-school in International Institute for Regional Media and Information, Kharkiv (Ukraine).</p> <p>Expert, Coordinator of the “Fair Justice” training program on Court administration (USAID).</p> <p>Specialization and fields of interest:</p> <p>PR, crisis management, corporative culture, life-long learning, student oriented learning.</p> <p>Project related key skills:</p> <p>Teamleader, strong leadership and good time management, full proficient in lecturing and coaching; ; in-depth understanding of teaching, training, scientific and research processes to make realistic and achievable project plans, multicultural communication, critical thinking.</p> <p>Recent R&D projects:</p> <p>“Making Good for Creative Spark Program” (British Council), team leader (2018-present);</p> <p>“Ukraine Higher Education Leadership Development Programme” (British Council), participant, project «Openness University to society and business», team leader (2017-2018);</p> <p>“Promoting integrity and anti-corruption at the local level in the Eastern Partnership Area: Georgia, Moldova, and Ukraine” Project</p>



			<p>Financed by the Romanian Ministry of Foreign Affairs Implemented in partnership by UNDP Istanbul Regional Hub & Partners Romania Foundation for Local Development, FPD. Participant, (2015). "Institutional and socio-cultural models of higher education modernization: world and Ukrainian experience" (2012 - 2014); "Socio-cultural barriers of the higher education modernization in Ukraine: identification and ways to overcome" (2012 - 2013); "Communicative mechanisms of Ukrainian universities integration into the European scientific and educational space" (2009 - 2011).</p>
Yevheniia Kurtasova	KKNU	Senior adviser / T 1.5-1.6; T 4.1-4.2	<p>Project manager of International Relations Office. MA in Sociology Specialization and fields of interest: digital and information technology, cultural and visual studies, internationalization of higher education, academic mobility, identities in the post-Soviet space. Project related key skills: informational support of academic mobility projects in ERASMUS+ Activities KA107, critical thinking, OSINT-analysis and confident searching skills.</p> <p>Recent publication: Semykhat, Y. (Kurtasova) The Soviet cinematic heritage: in search of the "Ukrainian" / Y. Semykhat // The diversity of cultures: neoclassics and counterculture: Proceedings of the International Seminar, Kharkiv, April 22-23, 2009 - Kharkiv.: V.N. Karazin Kharkiv National University, 2010. - P. 170-175 269 [in Russian]. Semykhat, Y. (Kurtasova) In search of new sources of national identity: the experience of sociological study of Soviet cinema / Y. Semykhat // Bulletin of the Odessa National University // Bulletin of the Odessa National University - 01/11/2009. - Vol. 14 Issue 13: Sociology and Political Science. - P. 264-269 [in Russian]. Semykhat, Y. (Kurtasova) Theoretical and methodological bases of the use of the concept of "representation" in the empirical sociological study of films / Y. Semykhat // Sociological studies of contemporary society: methodology, theory, methods - Kharkiv.: V.N. Karazin Kharkiv National University, 2008. - P. 65–72 [in Russian].</p> <p>Recent R&D projects: "International Summer School "Cultural Heritage of Ukraine as a result of crossroad of religions, worldviews, and Politics", August 2020 (DAAD); "International Summer School in Mass Displacement: Focus on IDPs in Post-Soviet Countries", August 2019 (DAAD); "Hive Five" (Swedish Institute) – 2018-2019; Critical Thinking and Media Hygiene. How to Prevent Becoming a Victim of Manipulation and to Make an Informed Choice October 2018 (Konrad Adenauer Stiftung Ukraine).</p>
Tetiana Hovorushchenko	KhNU	Project Manager / T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2, T 4.4; T 5.1; T 5.6; T 6.- 6.4; T 7.1- 7.3, T 7.5;	<p>Head of Computer Engineering & Information Systems Department, Full Doctor (Doctor of Engineering Sciences), Full Professor. She is head or member of the project group of educational program for Bachelor, Master and PhD students of specialties "Computer Engineering" and "Information systems and technologies". She has strong skills in creating curriculums, educational program, training modules and books for Bachelor, Master and PhD students. She takes part in the developing the professional standards and accreditation & quality assurance of educational programs in various higher education institutions in Ukraine (expert and trainer of the National Agency for Quality Assurance in Higher Education of Ukraine).</p> <p>She has experience in creating of new units & centers in KhNU, she is a manager and team leader of ERASMUS+ project of KhNU (ERASMUS+ HRLAW). She is a lead specialist of 5 completed TEMPUS projects of Khmelnytskyi National University for the last 10 years (TEMPUS IPMASTER, TEMPUS SAFEGUARD, TEMPUS REGENLAW, TEMPUS KTU, TEMPUS SEREIN). Author of several tutorials and monographs including materials which were developed during implementation of TEMPUS projects.</p> <p>Tetiana Hovorushchenko is an active initiator of student-centered personalized learning and formation of students' individual trajectories at KhNU. She actively creates a new educational medium which is</p>



			<p>focused on students' individual learning and cognitive activity – at least for students majoring in Computer Engineering, Information Systems & Technologies. Computer Engineering & Information Systems Department under the direction of Tetiana Hovorushchenko facilitates students' self-development as well as their abilities to control and assess their own learning, improve their time-management skills and bring teachers and students in contact when they feel free to express and uphold their own points of view.</p> <p>Tetiana Hovorushchenko prepares students as a future experts of the National Agency for Quality Assurance in Higher Education of Ukraine for accreditation & quality assurance of educational programs in various higher education institutions in Ukraine (as a trainer of the National Agency for Quality Assurance in Higher Education of Ukraine).</p> <p>Prize of the Verkhovna Rada of Ukraine for young scientists for the work "Intelligent information and analytical technology for improving the software quality by assessing the sufficiency of information in the early stages of the life cycle" for 2019 (Resolution of the Verkhovna Rada №1043-IX from 02.12.2020)</p> <p>R&D projects:</p> <ul style="list-style-type: none"> • 2021-2022 - R&D project: "Self-organized distributed malware detection system on computer networks" (№0121U109936), Ukraine • 2019-2020 - R&D project: "Agent-oriented system for improving the security and quality of computer systems' software" (№0119U100662), Ukraine • 2016-2020 - ERASMUS+ HRLAW - European Human Rights Law for Universities of Ukraine and Moldova (HRLAW 573861-EPP-1-2016-1-EE-EPPKA2-CBHE-JP) • 2013-2017 - TEMPUS Project KTU - Knowledge Transfer Unit - From Applied Research and Tehnology-Enterpreneurial Know-How Exchange to Development of Interdisciplinary Curricula Models (544031-TEMPUS-1-2013-1-AT-TEMPUS-JPHES) • 2011-2014 - TEMPUS Project REGENLAW - Development of Regional Interdisciplinary Post-Graduate Energy and Environmental Law Studies, (516911-TEMPUS-1-2011-1-DE-TEMPUS-JPCR) • 2010-2013 - TEMPUS Project – SAFEGUARD - National Safeware Engineering Network of Centres of Innovative Academia Industry Handshaking (158886-TEMPUS-2009-UK-JPCR) • 2009-2012 - TEMPUS Project – IPMASTER - Intellectual Property Law: New Master Curriculum for the National Consultancy EU Centre on IP Management (№ 144628-TEMPUS-2008-SE-JPCR)
Valeriy Martynyuk	KhNU	Researcher / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	<p>Head of Automation & Computer-Integrated Technologies, Full Doctor (Doctor of Engineering Sciences), Full Professor. He is head or member of the project group of educational program for Bachelor, Master students of specialties "Automation & Computer-Integrated Technologies". He has strong skills in creating curriculums, educational program, training modules and books for Bachelor, Master students. Author of several tutorials and monographs.</p> <p>He actively supports of student-centered personalized learning and formation of students' individual trajectories at KhNU. He actively creates a new educational medium which is focused on students' individual learning and cognitive activity – at least for students majoring in Automation & Computer-Integrated Technologies.</p> <p>R&D projects:</p> <p>2018 – Participation in the qualification enhancement programme for the professors of higher educational establishments "Information Systems for the Identification Research" organized by UTP University of Science and Technology (Bydgoszcz, Poland).</p> <p>2016 – Participation in Supercapacitors and Energy Storage Workshop organized by Italian National Agency for New Technologies, Energy and Sustainable Economic Development</p> <p>2009 – Participation in the 20th China Harbin International Economic and Trade Fair as a member of the delegation from the Ministry of Education and Science of Ukraine.</p>



			2002 – 2003 Internship at Kumho Petrochemical Co., Republic of South Korea.
Oleh Savenko	KhNU	Administrative personnel / T 1.5-1.6; T 4.1-4.2	<p>Dean of the Information Technologies Faculty, Full Doctor (Doctor of Engineering Sciences), Full Professor. He is head or member of the project group of educational programs for Bachelor, Master and PhD students of specialties “Computer Engineering”. He is responsible person for estimation of the quality of the Programs, he has experience in pedagogical, educational and methodical work. He has strong skills in creating curriculums, educational program, training modules and books for Bachelor, Master and PhD students of IT specialties. He takes part in the accreditation & quality assurance of educational programs in various higher education institutions in Ukraine (Vice Chair of the Sectoral Expert Council of the National Agency for Quality Assurance in Higher Education of Ukraine).</p> <p>He is a participant of 3 TEMPUS projects and 1 ERASMUS+ of Khmelnytskyi National University for the last 10 years (TEMPUS INURE, TEMPUS INARM, TEMPUS ALIGN, ERASMUS+ HRLAW). Author of several tutorials and monographs.</p> <p>He actively supports the student-centered personalized learning and formation of students’ individual trajectories at KhNU. He actively creates a new educational medium which is focused on students’ individual learning and cognitive activity – at least for students majoring in IT specialties. Faculty of Information Technologies under the direction of Oleh Savenko facilitates students’ self-development as well as their abilities to control and assess their own learning, improve their time-management skills and bring teachers and students in contact when they feel free to express and uphold their own points of view.</p>
Sergii Lysenko	KhNU	Trainer/ teacher / T 1.5-1.6; T 4.1-4.2	<p>Professor of Computer Engineering & Information Systems Department, Full Doctor (Doctor of Engineering Sciences), Full Professor. She is head or member of the project group of educational program for Bachelor, Master and PhD students of specialties “Computer Engineering” and “Information systems and technologies”. He has strong skills in creating training modules and books for Bachelor, Master and PhD students.</p> <p>He has experience in TEMPUS & ERASMUS+ projects (TEMPUS IPMASTER, TEMPUS SAFEGUARD, TEMPUS SEREIN, ERASMUS+ HRLAW). Author of several tutorials and monographs including materials which were developed during implementation of TEMPUS projects.</p> <p>Sergii Lysenko is an active initiator of student-centered personalized learning and formation of students’ individual trajectories at KhNU. He actively creates a new educational medium which is focused on students’ individual learning and cognitive activity – at least for students majoring in Computer Engineering, Information Systems & Technologies.</p> <p>R&D projects:</p> <ul style="list-style-type: none"> • 2021-2022 - R&D project: “Self-organized distributed malware detection system on computer networks” (№0121U109936), Ukraine • 2019-2020 - R&D project: “Agent-oriented system for improving the security and quality of computer systems’ software” (№0119U100662), Ukraine • 2016-2020 - ERASMUS+ HRLAW - European Human Rights Law for Universities of Ukraine and Moldova (HRLAW 573861-EPP-1-2016-1-EE-EPPKA2-CBHE-JP) • 2013-2017 - TEMPUS Project SEREIN - «Modernization of Postgraduate Studies on Security and Resilience for Human and Industry Related Domains» (543968-TEMPUS-1-2013-1-EE-TEMPUS-JPCP)
Maksim Maksimov	ONPU	Project manager	Professor, DSc. (Engineering), Head of Department of Computer Technologies of Automation. He has working experience of 33 years, has 25 science articles in Scopus system. Specialization and fields of



		Contact person / T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2, T 4.4; T 5.1; T 5.6; T 6.- 6.4; T 7.1- 7.3, T 7.5;	interest: Energy, Engineering, Materials Science, Environmental Science, Computer Science, Automation and Control. Project related key skills: full proficient in lecturing and coaching; expertise in digital solutions for the monitoring, control and optimisation of data and processes; effective working in collaboration and liaising confidently with educators, administrators, students and education institutions; in-depth understanding of teaching, training, scientific and research processes to make realistic and achievable project plans; strong leadership and good time management. Recent publication: 1. Information technology for automated assessment of the artillery barrels wear based on SVM classifier / Y. Dobrynin, V. Boltentkov, M. Maksymov, // Applied Aspects of Information Technology - 2020. - Vol.3No.3: 117–132 DOI: https://doi.org/10.15276/aait.03.2020.1 2. Dobrynin, Y. Constructing a method for solving the Riccati equations to describe objects parameters in an analytical form / Y. Dobrynin, O. Brunetkin, M. Maksymov, O. Maksymov // Eastern-European Journal of Enterprise Technologies. – 2020. – Vol.3, No 4 (105). – P. 20–26.
Kostiantin Beglov	ONPU	Senior Researcher / T 2.1-2.6; T 3.1, T 3.6- 3.7; T 4.3- 4.6; T5.2- 5.6; T 7.4, T 7.6.-7.7	Associate professor, PhD (Engineering), Associate professor of Department of Computer Technologies of Automation. He has working experience of about 20years. Specialization and fields of interest: Modelling of control systems, PLC programming, Technological processes of nuclear power plants. He lectures the courses: Technical instruments of automation and control, Modern control theory, Microprocessor systems, Modern technologies of process automation of production enterprises Project related key skills: effective working in collaboration and liaising confidently with educators, administrators, students and education institutions; expertise in control systems of technological units; in-depth understanding of teaching, training, scientific and research processes to make realistic and achievable project plans; experience in developing a distance course; good time management.
Valentin Davydov	ONPU	Senior adviser / T 1.5-1.6; T 4.1-4.2	Associate professor, PhD (Engineering), Associate professor of Department of Computer Technologies of Automation. He has working experience of about 20 years. Specialization and fields of interest: Pattern recognition; Neural networks; Artificial intelligence. He lectures the courses: Mathematical support of computer-integrated control systems, Software of CICS, Computing and computer technology Project related key skills: full proficient in lecturing and coaching; responsible for software engineering and has a practical experience in development of complex software systems; in-depth understanding of training, scientific and research processes to make achievable project plans; good time management.
Svitlana Kalashnikova	IHE NAESU	Project manager Academic coordinator of the project T 1.1-1.6; T 2.1, T2.3; T 5.1; T 5.6; T 6.-6.4; T 7.1-7.3, T 7.5	Doctor of Sciences in Education, Professor A member of National Higher Education Reform Team in Ukraine National coordinator, Ukraine Higher Education Teaching Excellence Program (in partnership with the British Council in Ukraine, Advance HE, the UK). Expert, researcher in HE governance, leadership and institutional development. Teaching and training experience – 23 years; research experience – 23 years; management experience – 18 years. Editor-in-Chief of International Scientific Journal Universities and Leadership. Author of over 130 publications,
Olena Orzhel	IHE NAESU	Researcher / T 2.1-2.6; T 3.1, T 3.6- 3.7; T 4.3-	Leading Researcher of the Department of Social Responsibility of the University in Higher Education, Institute of Higher Education of the National Academy of Educational Sciences of Ukraine; Senior Researcher, Doctor Habilitated in Public Administration;



		4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	Expert of Ukraine Higher Education Teaching Excellence Programme; Teaching and research experience over 20 years; training experience – over 15 years; Experienced monitoring manager, monitored over 100 international educational projects of Ukrainian universities by the mandate of the National Tempus / Erasmus+ Office in Ukraine; competent in higher education modernization, internationalization, European and university governance, institutional development, horizontal coordination, university social responsibility and leadership, Bologna process.
Olha Palamarchuk	IHE NAESU	Trainers/Teachers Contact person Expert in student-centered learning // T 2.1-2.6; T 3.1, T 3.6-3.7; T 1.5-1.6	Senior Researcher, Department of Quality Assurance of Higher Education, Institute of Higher Education of the National Academy of Educational Sciences of Ukraine, in charge of comparative research of higher education systems in EHEA and the EU member-states and development of recommendations on possibilities of practical application of European experience in higher education reform in Ukraine; Expert in Ukraine Higher Education Teaching Excellence Programme organized by the Institute of Higher Education of the National Academy of the Educational Sciences of Ukraine, the British Council Ukraine, the Advanced HE, the UK; CELTA-certified teacher of English, Business English, English for specific purposes; experience in developing and delivering courses for civil servants, disabled students; Excellent public communication and intercultural communication skills, team player Professional trainer in soft skills, teamwork, participant of a number of international projects, trainings and workshops; A study visits to the EU and Council of Europe institutions (European Parliament, Council of Europe Headquarters, European Court for Human Rights etc.), understanding of the EU and European issues
Oleksandr Spivakovskiy	KSU	Project manager / T 1.1-1.6; T 2.1, T2.3; T 4.1-4.2, T 4.4; T 5.1; T 5.6; T 6.-6.4; T 7.1-7.3, T 7.5;	2020 - Present People's Deputy of Ukraine of the VIII convocation from the Kherson territorial organization of the political party "European Solidarity". Chairman of the Standing Deputy Commission on Human Capital Development, International Relations, Science, Culture, Physical Culture and Sports, Education and Freedom of Speech and Intellectual Property 2018 - Present - Rector of Kherson State University 2014 - 2019 People's Deputy of Ukraine of the VIII convocation, elected in 182 majority constituencies in the Kherson Oblast, First Vice-Chair of the Committee on Science and Education of the Verkhovna Rada of Ukraine, Chairman of the Subcommittee on Higher Education 2011 - 2014 First Vice-Rector of Kherson State University Coordination of international projects: 2003 – 2005 Tempus TACIS project MP_JEP-23010-2002 "UnIT-Net - IT in University Management Network". Coordinator. 2003 – 2006 "Northern New York and Southern Ukraine: New University Partnership for Business and Economic Development". Coordinator. 2005 – 2007 Tempus TACIS project CD_JEP 25215-2004 "Geographic Information Systems in Agrarian Universities". Coordinator. 2005 – 2007 Tempus TACIS IB_JEP 26239-2005 "ECDL for Ukrainian Administrators", Coordinator. 2007-2009 Tempus TACIS IB_JEP 27237_2006 (CC4U2). Coordinator. 2007-2009 Tempus TACIS IB_JEP 27247_2006 (CLIP). Coordinator. 2013-2016 TEMPUS IV 543681-TEMPUS-1-2013-1-DE-TEMPUS-JPHES-CruiseT 2015-2018 ERASMUS+ MASTIS «Establishing Modern Master-level Studies in Information Systems» 561592-EPP-1-2015-1- FR-EPPKA2-CBHE-JP



			<p>2020-2021 Third Generation Digitalization (3-G Digitalization). Grantee System development: 2010 KSU Online distance learning system (http://ksuonline.kspu.edu), Author / developer. 2010 ECDL distance learning online portal for higher education institutions (http://dls.kherson.ua/ecdl), Author / developer. 2015 Web-multimedia encyclopedia "Frebelpedagogika" (http://froebel.kspu.edu), Author / developer.</p>
Maksym Vinnyk	KSU	<p>Senior advisor / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7</p>	<p>Vice-Rector for Financial and Economic and Scientific and Pedagogical Work, Associate Professor of Informatics, Software Engineering and Economic Cybernetics "Professional experience: 2018 - present — Vice-Rector for Financial and Economic and Scientific and Pedagogical Work, Associate Professor of Informatics, Software Engineering and Economic Cybernetics 2018 - present — Acting Chairman of the Tender Committee of KSU. 2017 - 2018, — Vice-Chairman of the Tender Committee of KSU. 2016 appointed to the scientific and technical council on the formation and implementation of the regional informatization program of the Kherson region by the order of the Head of the regional state administration № 396 and he is a Member of the commission to date. 2015 - 2020 – Member of the Program Committee of the International Conference ICTERI, in 2019 become a Chairman of the Organizing Committee of the ICTERI Conference. 2015 - 2019 – Coordinator of the project MASTIS ""Creation of a modern master's program in information systems"" at Kherson State University. 2015 –LEAR of Kherson State University. 2014 - 2017 — Member of the Tender Committee of KSU. Participation in projects 2009-2010 Creating a bank of electronic documents on distance learning for higher pedagogic education (project manager) Development of an integrated environment of control of students' knowledge of economic and mathematical disciplines of the normative part for higher educational institutions for the specialty 6.050100 ""Enterprise Economics"", 6.050101 ""Economic Theory""; (project manager) Creating an Internet distance learning portal ECDL for higher education institutions (ECDL) (project manager) 2015 - Development of a quality management system for electronic educational resources of higher education institutions (project manager) 2015-2019 ""Establishing Modern Master-level Studies in Information Systems"", 561592-EPP-1-2015-1- FR-EPPKA2-CBHE-JP (Project Coordinator). Internship and advanced training 2016, Leon, France, Lumière University Lyon 2. 2017, Kaunas, Lithuania, Kaunas University of Technology. 2018, Lulea, Sweden, Lulea University of Technology. 2018, Kristiansand, Norway, The University of Agder.</p>
Volodymyr Peschanenko	KSU	<p>Senior expert / T 1.5-1.6; T 4.1-4.2</p>	<p>Professor, Head of Department of Informatics, Software Engineering and Economic Cybernetics, CEO LitSoft R&D 2007-2018 – Software Developer in Information Software Systems. 2018-2019 – Chief Software Architect (co-founder) in Garuda AI. 2020-present – Chief Executive Officer of Private Enterprise LitSoft. 2016-present – Member of the Scientific and Methodical Board of Computer Science of the Ministry of Education and Science of Ukraine. 2016-present – guarantor of the educational and scientific program in the specialty 121 ""Software Engineering"". 2009-2013- the Scientific Secretary of Specialized Scientific Council K</p>



			<p>67.051.02. 2013-2016 – the member of Specialized Scientific Council K 67.051.02. 2016-2018 – the head of Specialized Scientific Council K 67.051.02. 2017- present – the Member of the expert communities of “Implementation of Information Technologies in Education” and “Science and Research” of Public Council of under Ministry of Education and Science of Ukraine. Lecturer of the next subjects: software’s modeling and analysis, technologies of symbolic computations, formal methods of software’s verifications, specifications and optimizations, formal methods of software engineering, methods and technologies of algebraic programming and insertion modeling. Co-author of the next commercial software: PMC “Videointerpreter for Searching and Sorting Algorithms”, PMC TerM 7 “Support of the Practical Mathematical Activity”, PMC TerM 7-9 “Support of the Practical Mathematical Activity”, PSW Library of Electronic Presentations “Algebra 7-9”, PSW “Algebra, Grade 7”, PSW “Algebra, Grade 8”, Integrated Environment for Educational Purposes “Analytic Geometry”. Co-author of the next industrial software: Verification of Requirement Specifications (VRS), Generic Trace Generator (GTG), Algebraic Virtual Machine (AVM). Co-author of the next research software: Algebraic Programming System (APS), Insertion Modeling System (IMS). Participant in the following international projects: Austrian-Ukrainian project “CENREC” (finished), Tempus JEP-27237-2006 “CC4U2 Educational Program for Computer Sciences for Ukrainian Universities” (finished), MASTIS Project: establishing modern master-level studies in information systems (Funded by Erasmus+ Programme of the European Union, in process).</p>
Nataliya Kushnir	KSU	Senior Adviser / T 2.1-2.6; T 3.1, T 3.6-3.7; T 4.3-4.6; T5.2-5.6; T 7.4, T 7.6.-7.7	<p>“Vice-Rector for Innovation, International, Investment and Scientific and Pedagogical Work. Associate Professor of Informatics, Software Engineering and Economic Cybernetics”Projects International: 1. MASTIS Co-funded by the ERASMUS+Programme of the European Union «Establishing Modern Master-level Studies in Information Systems» 561592-EPP-1-2015-1-FR-EPPKA2-CBHE-JP (http://mastis.pro), 2015-2018 2. Tempus JEP-27247-2006 «CLIP Services for learning and personal development of students». (2007-2009 pp.) 3. Tempus TACIS IB JEP_26239_2005 «ECDL for Ukrainian Administrators» (2006 - 2008 pp.) 4. Tempus IB_JEP-22045-2001 «Land reform and land market in Ukraine» (2002 - 2004 pp.) National: 1. The software tool “Systems of linear equations” 2. Developing an Internet portal ECDL learning for higher education (ECDL) 3. Create a bank of electronic documents with distance learning for higher pedagogical education Approvals</p>
Nataliia Stukalo	NAQA	Project Manager / T 1.1-1.6; T 2.1, T2.3; T 5.1; T 5.6; T 6.-6.4; T 7.1-7.3, T 7.5	<p>INQA AHE Board Director and Vice-Head at the National Agency for Higher Education Quality Assurance (NAQA Ukraine), international quality assurance expert. She has completed her PhD and DSc in International Economics at Kyiv National Economic University and has taken internships and trainings at Harvard University, University of Amsterdam, Catholic University of Leuven, University of Liverpool, and the others. She is well-known Ukrainian educator, quality assurance expert and researcher. Nataliia has 10-years experience in online education working at Laureate Online Education UK-based Universities and at Global University System InteractivePro. Before being elected as a member of NAQA, she spent 20 years teaching and managing at Ukrainian, British and German Universities. Professor Stukalo is the</p>



			author of more than 100 academic papers on International Economics, Global Finance and Higher Education issues.
Albina Tsiatkovska	NAQA	Senior advisor / T 1.5-1.6	NAQA international project manager, PhD in Law, Assistant professor at the International and European Law Department, Kyiv National Economics University. She has professional experience in project development, coordination, implementation and steering. Worked in 2 Erasmus+ projects as well as in OSCE Co-ordinator in Ukraine and American Council projects. She was NAQA QA expert, participated in the international accreditation audit as an expert. She is included in the list of international evaluators of Slovak QA agency. Her professional interests are higher education quality assurance, international cooperation, academic integrity, international law, EU law."
Yeremenko Olena	NAQA	Senior Adviser / T 3.1, T 7.4, T 7.6.-7.7	Higher educational institutions' counselling on assuring quality of education, design and implementation of Academic Programs' Accreditation New Procedure In-depth scrutiny for accreditation files with complex cases, circa 900 items. Active participation and teamwork in design and operation of distance accreditation model under pandemic conditions. Creating, moderating and operating promotional projects for implementing new systems of quality assurance in higher education. Concept and structure design for complex, thematic and specified webinars on academic programs' accreditation, as well as their implementation – over 90 events. Participation in teamwork for procedures and forms for academic programs' accreditation through the NAQA e-system while distance accrediting processes. Preparing guides, support and orientation materials, sustainable training and consulting for experts and NAQA majors council members.

Outside resources (subcontracting, seconded staff, etc)

If you do not have all skills/resources in-house, describe how you intend to get them (contributions of members, partner organisations, subcontracting, etc).

If there is subcontracting, please also complete the table in section 4.

Insert text

2.1.4 Cost effectiveness and financial management**Cost effectiveness and financial management** *(n/a for prefixed Lump Sum Grants)*

Describe the measures adopted to ensure that the proposed results and objectives will be achieved in the most cost-effective way.

Indicate the arrangements adopted for the financial management of the project and, in particular, how the financial resources will be allocated and managed within the consortium.

 *Do NOT compare and justify the costs of each work package, but summarize briefly why your budget is cost effective.*

The budget is carefully planned in order to achieve predictable results with a minimum budget for all partners. The budget and cost-effectiveness in this project are planned based on the nominated recommendations for the 2022 Call for Proposals.

The staff and travelling costs are planned in accordance with the expected activities of the consortium members within the framework of the project. All trips are planned in such a way as to optimize travel costs as much as possible. Since the project provides for the use of hybrid technologies in teaching, the same technology will be used for internal training of teachers and administrative staff. It will allow to save about 12,000 euros. This amount was used to increase the number of teachers who take part in study visits to EU universities (3 trainers from each Ukrainian university), who will then pass on the experience gained to their colleagues.

The almost even distribution of planned activities among Ukrainian universities is reflected in the distribution of the budget. For P1, it is proposed to increase staff costs due to significant project management tasks. The budget for



equipment is proportionally sent to all universities in Ukraine, where the program for the creation of "Training Centers without Limits" will be implemented.

For these Centers, it is necessary to purchase computers and multimedia equipment to organize classes in a hybrid mode (some students in the classroom, some online). A prerequisite is the organization of 1 working computer for people with disabilities.

The best available price will be achieved by purchasing low cost items as they are to be used primarily by students to use the software and access the common information space. The purchase of equipment and software will be carried out on the basis of a tender procedure. Each Ukrainian beneficiary university will be responsible for the purchase of hardware and software.

Activities such as software development, development of the project web portal and development of other information resources do not require the involvement of subcontractors, since they will be carried out by teachers from the IT departments of several partner universities.

Additional expenses not provided for by the budget are paid by each participant separately.

The necessary financial agreements will be provided for the transfer of budget money from P1 and other consortium members. Detailed records will be kept for both strict reporting requirements and external quality control actions.

Teacher/researcher staff time is allocated in proportion of partners' efforts in project activities. Travel cost is allocated among partners in accordance with the number of persons involved in workshops, and their contribution to teachers and students training. WS are combined with Management Committee (MC) meetings for cost saving.

2.1.5 Risk management

Critical risks and risk management strategy

Describe critical risks, uncertainties or difficulties related to the implementation of your project, and your measures/strategy for addressing them.

Indicate for each risk (in the description) the impact and the likelihood that the risk will materialise (high, medium, low), even after taking account the mitigating measures.

Note: *Uncertainties and unexpected events occur in all organisations, even if very well-run. The risk analysis will help you to predict issues that could delay or hinder project activities. A good risk management strategy is essential for good project management.*

Risk No	Description	Work package No	Proposed risk-mitigation measures
1.	Degradation of socio-economic state in Ukraine, spoiling of relationships with EU countries, etc.	WP1-WP7	Does not depend on the participants, but on the international commitment of the Ukrainian government allows to implement the project.
2.	War in Ukraine	WP1-WP7	In order to reduce risk, it is foreseen that project activities can be carried out in online mode; also, project teams are organised with flexibility and interchangeability of team members in mind.
3.	Misunderstanding of the project objectives between project members and stakeholders.	WP1-WP7	All actions will be carried out on the basis of the developed plan for the implementation of the project. Mechanisms for communication of partners will be communicated to all participants at the first meeting and presented in the project policy.
4.	Lack of EU language skills in PCs university target groups	WP2	Will be minimized by use of the English language as the main communication tool. Also selection of relevant persons from target groups with good English skill is recommended.
5.	Unconformity / incompatibility of teaching / learning approaches (curricula, educational programs, didactic materials, etc.) and equipment/tools in the partners' universities.	WP3	The personalized learning model being developed in the project will make it possible to adapt all courses to the possibility of being used in the system «SMART-PL» This model will be used in pilot educational courses, and further expanded in use.



6.	Reluctance of teachers who are not directly included in the project team to do extra work	WP4	The project implementation process will be supervised by university management. An additional motivation factor will be foreign internships and advanced training programs within the project.
7.	Acquisition of equipment and soft for Centers «Learning with No Limits» will be made timely despite the bureaucracy and delay of the tendering process.	WP5	Tender processes is under the control of university management; a project implementation plan provides for a temporary reserve to coordinate bureaucratic problems
8.	Irrelevant statistics, poor quality assessment methodology	WP6	Involvement of highly qualified specialists at all stages of work, advanced European methods of external and internal assessment, use of the experience of the team members in conducting various types of assessments.
9.	Lack of public interest, poor media coverage.	WP7	Use of effective tools for communication and dissemination of results. Cooperation with public organizations that will disseminate the results of the project after its completion.

2.2 PARTNERSHIP AND COOPERATION ARRANGEMENTS

2.2.1 Consortium set-up

Consortium cooperation and division of roles (if applicable)

Please address all guiding points presented in the Call document/Programme Guide under the award criterion 'Quality of the partnership and the cooperation arrangements'.

Describe the participants (Beneficiaries, Affiliated Entities, Associated Partners and others, if any) and explain how they will work together to implement the project. How will they bring together the necessary expertise? How will they complement each other?

In what way does each of the participants contribute to the project? Show that each has a valid role and adequate resources to fulfil that role.

The project consortium consists of institutions from different types of activities: classic universities, technical universities, Institute of Higher Education of the National Academy of Sciences of Ukraine, The National Agency for Higher Education Quality Assurance, 2 NGOs representing stakeholders - Public Organization "Ukrainian Scientific And Educational IT Society", Public Organization «Kryvyi Rih Foundation of the Future». Such approach provides inclusion of different stakeholder's interests, applying a comprehensive solution to the problem and wide dissemination of project results.

Previous collaborations between consortium members on national and international projects have provided insights into the specific national contexts and experiences of the partners. Each partner contributes to the preparation of the project proposal and the formation of the concept of the personalized learning, methodological and technical support for its implementation: Ivan Franko National University of Lviv and Institute of Higher Education of the National Academy of Sciences of Ukraine - experience in organizing master classes for university teachers, advanced training seminars of academic excellence; V.N. Karazin Kharkiv National University - experience in innovative teaching methods and professional development of university staff in cooperation with European partners; Khmelnytskyi National University, Kherson State University - active use and development of information technologies to improve the quality and efficiency of the educational process; Kryvyi Rih National University and Odessa National Polytechnic University - introduction of technological innovations to universities and close cooperation with employers and external stakeholders. Non-University partners have committed themselves to the project idea and give their support.

Higher education institutions of different socio-economic status, size, rankings are harmoniously combined in the project. This creates the opportunity to exchange effective experience, mutual development and increase the efficiency of higher education in Ukraine.

P1 - Project coordinator is Tallinn University of Technology (TalTech) - one of the largest and at the same time the only technological university in Estonia. This is the place where synergy between different fields (technological, natural, exact, social and health sciences) is established. The university offers a wide variety of educational degree programmes in the bachelor, master and doctoral level for both local and foreign students. With its four faculties, four colleges, R&D institutions, ca 14 500 students, from whom 1000 are foreign students, TalTech is a national university of technology, internationally renowned as a reliable partner at different levels of collaboration networks. TalTech is the provider of the best opportunities to study in English in Estonia. Altogether 23 study programmes in English (4 Bachelor programmes, 19 Master programmes). TalTech is a research university where discoveries are transferred into teaching and studies and real life through knowledge. TalTech has cooperation projects with the top 10 universities (Stanford, Berkeley, MIT, Harvard, etc.), scientists and companies (e.g. Microsoft,



Google, IBM, ABB, etc.) of the world. TalTech also has a representative office in Silicon Valley, USA. TalTech Mektory (an innovation platform supporting the master's students and doctoral students and business coherence, develops students into active experts in their field and provides experience for commencing employment) operates in the field of design and product development, start-up consultation, mobile services and media and business models. In 2013, TalTech was ranked first amongst the Baltic universities, according to the QS World University Rankings. Estonia is the leading country of digital future in the EU and in the world proposing new solutions of e-governance, smart cities, cybersecurity and digital market. (see: <https://e-estonia.com>). TalTech has been one of the main engines to support research and trainings in the field in partnership with the European Commission and Estonian government. The TalTechDigital is a brand created in the university to boost info-technological solutions in the world, based on the research of the researchers based in Tallinn.

The responsibilities within this project are: project applicant, coordinator, management of the project as a leader of the Consortium, the coordination of the realization of the work packages of the Project, both in cooperation with other members of the Consortium, participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages; WP 001 Leader; hosting kick-off meeting in Tallinn, Participation in benchmarking of the practice of applying personalized learning in EU universities - exchange of experience; Terms of reference for SMART-online platform approval; implementation of tender procedures, management of equipment procurement under the project.

P2- Katholieke Universiteit Leuven (KU Leuven) has been a centre of learning for nearly six centuries. Today, it is Belgium's largest university and, founded in 1425, one of the oldest and most renowned universities in Europe. As a leading European research university and co-founder of the League of European Research Universities (LERU), KU Leuven offers a wide variety of international Master's programmes, all supported by high-quality, innovative, interdisciplinary research. KU Leuven is also member of Coimbra Group and Venice International University. KU Leuven is one of the most innovative universities in the world. It's the only non-American university in the top 5 (2019). Since its founding, KU Leuven has been based in the city that shares its name. Leuven is a pleasant, safe and bustling student town, where centuries-rich history meets cutting-edge science. The university also offers degree programmes at campuses in 11 Belgian cities over 14 campuses. KU Leuven will be hosting over 58.348 students in the academic year 2019-2020. KU Leuven has Erasmus contracts with over 400 European universities and international contracts all over the world. 17% of the university's 58.348 students come from abroad, representing more than 160 countries. The university also works with a select number of top-level partner institutions worldwide, and stimulates powerful international mobility and intensive research cooperation. Internationalisation is key in the policy of the university's new board. KU Leuven also takes the lead in the "European Universities" initiative by coordinating the "1Europe project." Interest for the needs of each student individually is a key issue in the educational policy of KU Leuven. Paying attention to the individual student. A wide range of interventions for smooth orientation and guidance of incoming students in all their diversity should lead to a positive study experience and personal development story for each student. By coordinating education and academic career counselling even better, we strive to create a stronger student counselling framework, tailored to the student.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages, hosting retraining event «Best European practice of personalized learning, methodological and technical support for its implementation» for UA teaching staff in Belgium; Participation in benchmarking of the practice of applying personalized learning in EU universities - exchange of experience; Leader of WP 006 – Quality assurance, hosting QA team meeting in Gent.

P3- Wrocław University of Science and Technology is the leading scientific and educational centre in Poland. Its position among technical universities in both Europe and the rest of the world is increasing every year. Development of the University is confirmed by research potential, didactics at the highest level, innovation and also cooperation with industry. The University educates specialists who are valued and sought after in the labour market. WUST is a public university ranked among top Polish universities, not only in the field of technology. It belongs to the largest and best technical universities in Poland – over 32 000 students study here under the guidance of 2 000 academic teachers at 16 faculties. The University employs about 2 000 administrative staff. The University offers courses in 39 different fields of study (including those taught in English and German languages), and 25 study programmes taught in foreign languages, at all three levels of education (BSc, MSc and PhD). WUST stands out with its educational offer that allows students to study according to standard programmes, as well as according to their individual educational paths. Currently WUST has a cooperation agreement with 205 partners from 49 countries. Students and researchers of WUST have an opportunity in both education and participation in joint projects such as: Erasmus+, Student Exchange Programmes, the Double Degree Master Programme T.I.M.E., the Polish and American Fulbright Commission and also DAAD. WUST conducts active international cooperation with universities, science and research institutions, as well as foreign companies, and is involved in dozens of research programmes within the framework of: the 7th Framework Programme, EUREKA, COST, ARISS, the Research Fund for Coal and Steel, Structural Funds. For many years now, the University has been involved in international student exchange programmes – Erasmus, Erasmus Mundus and double diploma programmes, enabling students to gain experience in strategic partners; research laboratories and to practically apply the acquired knowledge in accordance with labour market requirements. Moreover, it actively cooperates with leading companies in the field of conducting joint research, developing innovative projects, and for many years has been engaged in numerous international projects and initiatives. Faculty of Computer Science and Management is third biggest faculty at Wrocław University of Science and Technology. Almost 3500 students and 200 teachers. Faculty provides research in fields: databases, software



engineering, system engineering, artificial intelligence, pattern recognition, management, econometrics, economy, quality management etc. Faculty offers four specialization of study: management, computer science, management engineering and system engineering on bachelor and master level. Two PhD programmes in Management and Computer Science. Faculty of Computer Science and Management is a leading faculty among WrUT faculties in the field of internationalization (2 Master programs, 3 bachelors programs fully taught in English). The number of international students at the faculty is the biggest for whole university. Faculty also is a leading faculty in the use of information technology in learning and teaching.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages, Participation in benchmarking of the practice of applying personalized learning in EU universities - exchange of experience; hosting retraining event «Best European practice of personalized learning, methodological and technical support for its implementation» for UA teaching staff in Wroclaw, WP005 – Leader, .

P4 - Ivan Franko National University of Lviv (IFNUL) is a classic institution of higher education with a long and strong academic tradition, enforced by contemporary innovative trends. The University's mission is to identify and implement educational and scientific standards, generate changes required by the region, the country and the world as well as shape intellectual and innovative potential. The educational process at the University is provided by 19 faculties, 3 colleges of Pedagogical Studies, Law, and Natural Studies for more than 20000 students. The University consists of 142 departments. Teaching at the University is provided by 228 Doctors and 1134 Candidates of Science, including 210 professors and 824 associate professors. The University holds the highest 4th level of accreditation from the Ministry of Education and Science of Ukraine and licenses for more than 130 specialities of the junior specialist, bachelor, specialist and master programmes. The University offers post-graduate and post-doctoral studies in more than 120 specialities.

IFNUL enters the top three of the higher educational establishments of Ukraine by "Scopus" ranking. For the period from 1996 to 2019, the university scientists published 6383 scientific works in the editions included in the "Scopus" database. In compliance with the Hirsch index IFNUL is the 3rd in the ranking of all universities in Ukraine. Lviv University takes the second place of the best Ukrainian universities in THE Times world university Ranking 2019. In UniRank University Ranking 2019 University takes the forth place as well.

Within the framework of the Erasmus + KA1 IFNUL has signed agreements with 50 foreign universities. About 400 students, faculty and administrative staff become participants in mobility activities of the Erasmus + KA1 implementation.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. Leader of WP 007 – Dissemination; Hosting of the Final Conference in Lviv; On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project.

P5 - Kryvyi Rih National University accredited as a higher education institution of the IV accreditation level (Certificate РД-IV №0459971 dated 26.06.2014). The university has all essential constitutive documents and Statute confirmed by the Ministry of Education and Science of Ukraine (order № 661 dated 01.06.2013). Kryvyi Rih National University (KRNU) is located in Kryvyi Rih, one of the main industrial cities of Ukraine. KRNU was founded in 1922 as the Kryvyi Rih Evening Working College, and later reorganized onto Kryvyi Rih Mining Institute. Today KNU is one of the largest education institutions of Ukraine for qualified personnel training in pedagogical, economic, ecological, metallurgical, mining, engineering and technological specializations for the central region of Ukraine and first of all for Dnipropetrovsk region. The main advantage of university is also powerful industrial complex of Kryvyi Rih basin, which includes one of the world's largest metallurgical enterprise - Public Company "ArcelorMittal Kryvyi Rih", four ore-dressing complexes and one iron ore complex, two mining administrations, three repairing plants and ramified transport, social, cultural, infrastructure. It promotes labor market formation which requires highly qualified personnel of different specialties, enables university graduates employment. Scientific subjects performed by university scientists mainly for enterprises of mining and metallurgical complex, aimed at increasing the efficiency of production processes through implementation of new technologies, development and dressing of mineral resources, power saving, environmental protection and environment state improvement. Since 2004, the University has been one of the best universities in Ukraine in terms of economic-contractual scientific themes. The University is a member of International Society of Mining Professors, which consists of 37 technical universities from 24 countries.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project. Responsible for development of "Opportunities of open



educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” – training materials.

P6 - V.N. Karazin Kharkiv National University is a public Higher Education Institution that has 21 Schools & 124 Departments which provide training for specialists in different fields. Staff includes 308 DSc, professors & 800 PhDs, associate professors including 15 academicians and corresponding members of the National Academy of Sciences of Ukraine and Sectoral Academies. There are 1500 international students, postgraduate & doctorate students from 50 countries. The University is distinguished by its 24 internationally-recognized scientific schools and it has the biggest potential and base for training high skilled personnel in the Left-Bank Ukraine. Karazin University is involved in extensive international cooperation. It cooperates with 61 partners in 25 countries. In 1998 Karazin University signed the Great University Charter that initiated the Bologna Process. KGNU is a co-founder of the Eurasian University Association; member of the World & European University Associations. It is a partner in research cooperation with more than 100 universities & organizations all over the world. Within Research Institutes of the National Academy of Sciences of Ukraine there were created 17 branches of the University departments. Karazin University has the Development Programme for 2019-2025. According to that document, the priority areas for the further advanced integration into the European and world scientific & educational space are the expansion of cooperation with international organizations, enabling of the diploma nostrification at the international level for Ukrainian & foreign universities students, the expansion of the internships abroad and widespread involvement of foreign students. Karazin University is highly marked in various international rankings; in particular, according to the ranking of the best higher educational institutions in the world QS World University Rankings The University has become a leader among Ukrainian universities.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books ; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project. WP 004 – Leader – responsible for all related tasks

P7 - Khmelnytskyi National University is the biggest higher educational institution in Khmelnytskyi region and in Podillya (historical local region), which trains specialists in many areas of knowledge and conducts educational, methodical and scientific work. Now there are more than 10000 students, more than 45 departments in the KhNU. The scientific staff: 74 Doctors of Science, Professors; 453 Philosophy Doctors, Candidates of Science, Associate Professors. Training of future specialists is realized by 7 faculties that provide studies on 40 fields of educationally-qualifying preparation, including: computer sciences, radio engineering, electronic machines, energy management, engineering mechanics, economy and enterprise, management, pedagogical education, art, ecology, applied mathematics, international relations, philology, etc. Khmelnytskyi National University maintains relations with 70 Universities, organizations and institutions from more than 20 countries (USA, UK, China, Japan, Germany, Austria, Sweden, Hungary, Italy, Spain, Finland, Poland, Georgia, Moldova, Belarus, Kazakhstan, Lithuania) and was a collaborator of 15 international scientific and educational projects and programs. The mission of Khmelnytskyi National University is to meet requirements of high-level education, to prepare efficient specialists for Ukrainian enterprises and organizations equally with acceleration of Euro integration, and stimulation of life-long learning. The main aim of Khmelnytskyi National university is sustainable progress and height quality of the education, that's why we want to give a new quality of education for students through the development of high-quality programs and student-centered personalized learning. One of the operational goals of KhNU is introduction of flexible technology of planning and organization of the educational process, focused on meeting the requirements of the student-centered approach, the indicator of which is the satisfaction of educational needs and interests of applicants for higher education (updating the content of educational components, expanding opportunities for individual trajectory, meeting the educational needs of people with special needs, recognition of non-formal education, improved catalog of elective subjects, self-realization according to abilities and interests).

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books ; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project. Leader of WP 003 – responsible for SMART online-platform development.

P8 - Odesa National Polytechnic University accredited as a higher education institution of the IV accreditation level. The university has all essential constitutive documents and Statute confirmed by the Ministry of Education and Science of Ukraine. Odesa National Polytechnic University (ONPU) is located in Odesa, one of the main industrial cities of Ukraine. ONPU was founded in 1918 as the Odessa Industrial Institute, and later reorganized onto Odessa Polytechnic Institute. Currently, its structure consists of 15 educational-scientific institutes and faculties. There are 6 618 students in the university. The educational process is provided by 429 teachers, among them 355 (82.7%) have academic degrees and titles, including: Doctor - 92 (21.4%), PhD- 263 (61.3%). Researchers of ONPU have more than 500 papers cited in Scopus database. Laboratories of the university are equipped with up-to-date hardware and software of Schneider Electric, Siemens, Cisco, Phoenix Contact, FESTO, Mitsubishi, Panduit, Microsoft, etc.



The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books ; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project. Responsible for task 4.4. - development of methodological recommendations "Inclusion in the educational process of people with special educational needs".

P10 - Kherson State University (KSU) is a modern higher education institution with a powerful research, material and technical capability using the latest information technologies in the learning and training process. KSU enrollment rate comprises approx. 4000 students. The educational potential of KSU is demonstrated by 9 Faculties, 60 Bachelor and 49 Master degrees, 13 PhD degrees. KSU has more than 30 active agreements with universities around the world. There were researches within the Tempus initiative targeting CC4U2, CLIP, ECDL and Geographic Information Systems expansions, throughout which KSU forged relationships with the Royal Institute of Technology and Gavle University College (Sweden), although regional corporations as DBBest Technologies Ltd and Ukrcom Ltd joined the party for beta-testing of the incoming technologies. KSU has an electronic service «KSU24» <https://ksu24.kspu.edu/docs/html/index.html>. It is an effective tool for ensuring the business processes of the university, primarily related to the educational process. The purpose of the Service is to improve and automate the organization of the educational process in KSU. The commissioning of system components will take place through the relevant administrative documents. For automatic construction of consolidated rating of scientists, departments, faculties according to indicators of processed scientometric systems, an online service 'Publication' was developed. KSU cooperates with several IT companies, including EPAM Systems, Inc., a leading digital transformation services and product engineering company, DataArt - an international software company. Currently, DataArt office in Kherson has about 300 employees, more than 30% are students and graduates of Kherson State University. The university recently signed an agreement to provide an information system connection service to the program ""Dia.QR"", which aims to simplify the procedure of document flow.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. On equal terms, participation in all work packages of the project, performance of work aimed at achieving all outcomes and deliverables of the project; Participation in the development of training programs, e-books ; Creation of co-working Centers, organization of internal training of administrative and teaching staff, implementation of the SMART online platform, implementation of personalized training in selected disciplines, preparation of scientific articles on the results of the project. Responsible for task 5.5 - Questionnaire of students and teachers of pilot courses.

Four non-academic partners will participate in the project: two of them as real partners (P9, P11) and other two as associated partners (P12, P13):

P9. Institute of Higher Education of the National Academy of Sciences of Ukraine. IHE NAESU is a public HEI and national research center on HE modernization and development that accumulates and shares expertise in the advancement of EHEA and ERA. It was established in 1999 – the year of Bologna Process launch – with the purpose to facilitate Ukraine's participation in Bologna process and provide expert support to integration of Ukrainian HEIs to EHEA. The staff is comprised of 48 members (including: 39 academic staff, 13 doctors of sciences (Doctors Habilitated), 22 candidates of sciences (Ph.D.)) 25 PhD students and 2 post-doctoral students.

Major activities of the Institute include:

- Research on actual problems in HE and dissemination of accumulated knowledge.
- Delivery of 2 education programs (PhD level) – Leadership and policy in HE; Teaching in HE.
- Expert support to the Ministry and HEIs in realization reforms in HE.
- Professional training for academic and administrative staff of HEIs.
- Consultations on HE modernization.

The Institute is a participant of international projects, including Erasmus+ programmes (DocHUB, EDUQAS, UTTERLY). Over 2015-2019 the Institute in partnership with the British Council in Ukraine and Leadership Foundation for HE (UK) is implementing University Leadership Development Programme covering 40 UA HEIs, aimed at development of university autonomy. The Institute is taking part in Ukraine Higher Education Teaching Excellence Program in partnership with British Council in Ukraine, Advanced HE (Great Britain) with the support of Ministry of Education and Science of Ukraine, National Agency for Higher Education Quality Assurance (Ukraine). The aim of the Program is to enhance the quality of higher education in Ukraine by developing the institutional capacity of Ukrainian universities by improving teaching and learning. It is planned to involve 30 universities of Ukraine.

The Institute is taking part in project EU «Reinventing displaced universities: enhancing competitiveness, serving communities» (REDU). Programme EU support to displaced higher education institutions in the east of Ukraine. The role of the IHE NAESU in the SMART-PL project is to support conceptualization and implementation of the academic model of personalized higher education trajectories and effective methods to assess the students' learning gain.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. Leader of WP002 – responsible for related tasks. An important task is mentoring



in the development of a framework for internal university documentation for the implementation of personalized learning (policy, regulations, methodological recommendations). Organization in benchmarking, participation in training of external and internal personnel. The Institute will be responsible for arranging trainings for the teaching staff and will be in charge of developing the training programme on technologies of personalized learning "Competency-based personalized learning and formative assessment in the system of higher education quality assurance".

P11. The National Agency for Higher Education Quality Assurance (NAQA). NAQA is a permanent collegial body authorized by the Law of Ukraine "On Higher Education". NAQA key activities include: accreditation of study programmes, document development, consulting and training activities, external evaluation and self-assessment, institutional accreditation, international cooperation, public relations. The Agency is responsible for setting requirements for quality and transparency for institutions, programmes, and standards. Now NAQA implements state policy in the field of higher education, withstands modern challenges, and becomes a catalyst for changes in higher education in Ukraine. The major strategic goals of the NAQA is to develop the culture of quality assurance in higher education, to assure the quality of the education services and research, to meet the international standards of higher education quality assurance. NAQA has been working on the development of the institutional accreditation regulations to find the best solution for Ukraine and launch the institutional accreditation in Ukrainian HEIs.

NAQA representatives will contribute to all project events including developing a common policy for personalized learning and the using of formative assessment mechanisms for participating universities. NAQA representatives coordinates (from the Ukrainian side) the process of developing e-books "Guidelines for competency-based learning for students of the educational program". In addition, NAQA takes part in the internal audit of the project, the outcomes and results of the project will be considered in the NAQA decision-making and policy-development process.

The responsibilities within this project are: participation in all coordination meetings and workshops; preparation of the reports, financial coordination, the participation in dissemination activities, monitoring of the implementation of all work packages. Participation in kick-off meeting, retrainings in EU Universities.

Participation in Joint development of a training program (seminar) "Competency-based personalized learning and formative assessment in the system of higher education quality assurance".) Advisory role in formation of shared policy of personalized learning at universities. Responsible for development of 2 e-books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher».

P12. Public organization «UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY»

Public Organization "Ukrainian Scientific and Educational IT Society" (PO «USE IT») is a voluntary association of individuals created to promote the successful development of higher education, research and development in the field of information technology in Ukraine. PO «USE IT» performs effective interaction with industry, as well as international cooperation for joint scientific and educational projects. PO «USE IT» combines 374 members from 38 universities from all over Ukraine. Public Organization aims to increase the impact of the scientific and pedagogical community on the creation and implementation of strategies for the development of higher education in general and in the area of information technology. One of the most important activities of PO «USE IT» is increasing the efficiency of cooperation between universities and the IT industry for building a stakeholder network. PO «USE IT» performs an analysis of labor market requirements for the professional competencies of graduates in information technology. PO «USE IT» members support advanced pedagogical technologies, the involvement of stakeholders and the development of mechanisms for evaluating curricula and quality of higher education. Public Organization members are experts in the accreditation of studying programs and they are able to provide internal and external audits of programs on different levels. PO «USE IT» develops proposals and facilitates the implementation of innovative principles for university development and substantially improving the motivation of teachers and scholars to undertake R&D projects. Research areas of PO «USE IT» members include the following – Internet of Things, Intelligent Systems, Software Engineering, Computer Engineering, Computer Science and others.

PO «USE IT» will provide networking and build stakeholder networks, attract lots of Ukrainian universities. The public organization will contribute to cooperation with IT-industry and to collection and analysis of stakeholders' requirements.

PO «USE IT» will take an active part in the dissemination & supporting the sustainability of the project results. Public Organization work will be oriented at the needs of stakeholders, including presentation of necessary information types and dissemination levels in preferred forms and languages. PO «USE IT» will use varied dissemination methods, e.g. printed information, electronic media, and personal contact.

The responsibilities within this project are: participation in all coordination meetings and workshops (in hybrid format); preparation of the reports, participation in dissemination activities, monitoring of the implementation of all work packages. Participation in kick-off meeting in Final Conference (in hybrid format). Participation in trainings for administrative and teaching staff in the framework of UA Universities (in hybrid format). Advising role in development of SMART online platform

P13. PO "Kryvyi Rih Foundation of the Future" - a public organization in the Dnipro region formed in 2018.

The activities of the fund cover the areas of culture, education, social entrepreneurship, youth work, sports, and infrastructure. During its work, the Kryvyi Rih Future Foundation has built partnerships with public organizers, enterprises, educational institutions, enterprising citizens, and volunteers. Through collaboration went into the life of a number of different projects. In particular, the first IT Hub & Coworking appeared in the city - a digital life center, a platform for the development of advanced technologies. The second stage of the IT Hub & Coworking arrangement has come to an end - Open space has been created, rooms for meetings, presentations or negotiations, halls,



staircases. Modern space will become very accessible, as the arrangement includes the development of inclusion and social adaptation. One of the main guiding robots of the KFF is a robot with common territorial communities, as well as with Shirokovskaya, Karpovskaya, Novolatovskaya, Lozovatskaya and Gleuvatskaya communities of the Dnipropetrovsk region, the Petrovsky community of the Kirovograd region. At the initiative of the Kryvyi Rih Foundation, an urban Hackathon, as well as a Hackathon of social entrepreneurship, was held with representatives of enterprises, businesses and housing of the city. The activities of the foundation in the educational field are aimed at both teachers and schoolchildren and students. Teachers and psychologists studied emotionality within the framework of the Ledy Innovations project. To facilitate quality education, innovative laboratories and computer classes have been created. Curvy entrepreneurs took a course on the basics of social entrepreneurship and gained knowledge on how to run a business and be useful to society. The training was conducted by the international public organization SiLab Ukraine. which is engaged in the development of this direction in Ukraine. At present, a new project "Leader Educational Program for Teachers STEAM-Camp" has been implemented - this is a large-scale program, the purpose of which is to improve the quality of teaching the exact sciences at school, increase the average UPE score in mathematics, physics and chemistry, and also organize this program together. organizations "Zaporozhye. Joint Action Platform", "Mariupol Development Fund", "Kryvyi Rih Future Fund", with the assistance of city councils. More than 5 thousand Ukrainian schools will have the opportunity to apply to the technical profession of the future and build a career in Ukraine.

PO "Kryvyi Rih Foundation of the Future" will provide expert knowledge on the issues of topical academic results, the content of academic courses, their relevance on the labour market and introduction of auxiliary resources in the project. Will disseminate the obtained results within the Ukrainian academic community.

The responsibilities within this project are: participation in all coordination meetings and workshops (in hybrid format); preparation of the reports, participation in dissemination activities, monitoring of the implementation of all work packages. Participation in kick-off meeting, in Final Conference (in hybrid format). Participation in trainings for administrative and teaching staff in the framework of UA Universities (in hybrid format).

In addition, all non-academic partners shall ensure support to sustainability of the project after its completion and dissemination of project results.

2.2.2 Consortium management and decision-making

Consortium management and decision-making (if applicable)

Explain the management structures and decision-making mechanisms within the consortium. Describe how decisions will be taken and how regular and effective communication will be ensured. Describe methods to ensure planning and control.

Note: The concept (including organisational structure and decision-making mechanisms) must be adapted to the complexity and scale of the project.

A Detailed Project Activity Schedule (PAS) (Gantt chart including mile stones and deliverables) will be accepted at the Kick-off meeting. Partner Agreements (PA) between Project Coordinator and project partners about obligations, decision making, financial sustainability, etc. will be signed.

The project progress is measured by PAS milestones achieved by the consortium. PA will be monitored related the obligations fulfilled according to PA and PAS. Monitoring of progress and communication will be ensured by four Activities and Financial reports from the partners, by reporting at 8 Management Committee (MC) meetings. The form of Activities and Financial reports will be developed by Project Coordinator in a frame of quality system set up. Project Coordinator takes care of the communication flow inside the consortium and maintains project documentations archive, available to partners on-line.

Reporting system is arranged according to the Project Manual. The consortium sets up a MC.

The following rules: Composition: a contact person, defined in the project Application Form, of each Partner shall be a member of the MC, with a proper mandate to negotiate on behalf of institution.

Meetings: Chairman of each meeting shall be the MC member coming from the host participant. The Chairman and Project Coordinator jointly prepare in advance the agenda of the meeting, to be reviewed by the other members, then released and circulated by the Chairman.

Decision Making: at each MC meeting, no less than two-thirds of the members shall constitute a quorum. Decision-making will be by qualified majority (greater than 66%) among the present members (one vote per member). In case that the Coordinator has profound objections concerning the compliance of a taken decision with the Grant Agreement or the legal basis of the ERASMUS+ program, the decision shall be frozen until the Coordinator, will have clarified the matter with the Executive Agency.

The communication activities, based on both virtual and in-person components, will use a range of channels and tools to spread new knowledge and results generated by the project, aiming at reaching the dissemination objectives and reinforcing the plausibility of the exploitation plan. In order to carry out the project outreach in a comprehensive way, a detailed communication plan will be. Communication channels:

- International Fairs, conferences and workshops.
- On line platform, website, social media, academic journals and key magazines, newsletters, etc.
- Direct contact with the key stakeholders.

Additional communication tools: website, Skype, e-mails, Viber, WhatsApp, phone calls.



3. IMPACT

3.1 Impact and ambition

Impact and ambition			
<p>Please address each guiding points presented in the Call document/Programme Guide under the award criterion 'Impact'. Define the expected short, medium and long-term effects of the project. Who are the target groups? How will the target groups benefit concretely from the project and what would change for them?</p>			
<p>The project idea is associated with the application of the best European training practices and their adaptation to Ukrainian realia will facilitate internationalization of education, its interaction with other educational systems in order to attract auxiliary internal and external consumers on the markets of educational services; will create a more harmonious and transparent market of educational services that will take account of students', the labour market' and universities' interests.</p> <p>During the implementation of the project, with the help of associate project participants, various events and workshops will be organized with the participation of representatives of enterprises, employment agencies, university professors and administrators, who will certainly benefit from the results of the project, consistent with modern market requirements. National and international conferences and seminars on issues related to the project will be organized and encouraged to disseminate project materials and data.</p> <p>The implementation of the above activities will allow receiving feedback and adjusting the results of the project in accordance with current market needs.</p>			
Long term impact	Target groups/potential beneficiaries	Quantitative indicators (in numbers please)	Qualitative indicators
The policy of personalized learning is used or taken as a basis by other universities to implement this educational approach	Ukrainian HEIs	number of HEIs, that supported/adjusted the policy of personalized learning	- assessment of the level of resistance and support for the introduction of the policy of personalized learning by Ukrainian HEIs
The experience of teachers who have introduced a personalized learning model is adopted by other teachers/departments of participating Universities and implement the model for other disciplines	Students, participants of Lifelong Learning, Teachers, Administrative staff employers	number of disciplines, transformed in accordance with personalized learning model (beyond the project)	- feedbacks recommendations from students, teachers, administrative staff and employers
The experience of participating universities in the aspect of implementing a personalized learning model is used by other universities	Ukrainian HEIs	number of HEIs, that implemented/adopted the model of personalized learning	- conformity assessment of expectations from the implementation of the training model and the results obtained beyond the project
Both training programs developed in the project cover all relevant students and teachers of the participating universities.	Students, participants of Lifelong Learning, Teachers, Administrative staff	number of persons who attended training programs beyond the project	- reduction of anxiety about the introduction of a new educational model of personalized learning - building commitment to project goals
Training programs are held for other universities, with the aim of promoting the idea of introducing a model of personalized learning and technology-based assessment using ICT tools	Ukrainian HEIs	number of persons who attended training programs beyond the project	- reduction of anxiety about the introduction of a new educational model of personalized learning - building commitment to project goals
The developed e-books are used by other universities as part of the introduction of a personalized learning model as a roadmap.	Ukrainian HEIs	number of disciplines that were developed in other universities beyond the project	- feedbacks recommendations from students, teachers, administrative staff and employers



The expansion of the use of the SMART online-platform both within the framework of the participating universities and other universities	Students, participants of Lifelong Learning, Teachers, Administrative staff / Ukrainian Universities / EU Universities	number of departments that joined the SMART platform in the frameworks of participating universities beyond the project number Ukrainian (EU) Universities that used/adopt/upgrade the SMART-PL platform beyond the project	- education quality of students of Universities that used the SMART-PL system - the ability to adapt SMART platform for use by employers: in dual education projects, continuing education courses
Further development of Co-Working Centers “Learning with no Limits”	Students, participants of Lifelong Learning, Teachers, Administrative staff	development of the list of responsibilities and functions of the centres	support for the centres by stakeholders
The specialized equipment of the center for students with disabilities will become an essential prerequisite for the development of inclusion processes in universities.	Students, participants of Lifelong Learning, Teachers, Administrative staff Universities' management	number of students with disabilities who entered the universities with specialized equipment	development of inclusive education programs for students with disabilities
Recommendations by NAQA for the implementation of personalized education in Ukrainian universities	Ukrainian HEIs	number of Ukrainian Universities that accepted personalized learning educational approach	understanding of personalized learning strategies at Ukrainian universities
Changing students' attitudes to the learning process, understanding their level of responsibility	Students, participants of Lifelong Learning, Teachers,	student academic performance indicators	activation of the process of involving students in the formation of the content of educational programs
Graduates of the personalized learning program apply their innovative knowledge in the workplace	Students, participants of Lifelong Learning, Employers	productivity and indicators of work quality of graduates	employer satisfaction with qualified staff
A new approach to teaching students and organizing the educational process will increase the competitiveness of UA universities and make them more interesting for potential applicants	Applicants Teaching staff Administrative staff University Management	dynamics of student enrollment in universities; increasing the ranking of universities that have introduced a personalized learning model	
Short term impact	Target groups/potential beneficiaries	Quantitative indicators (in numbers please)	Qualitative indicators
Development and approval of a personalized learning policy will enable the process of adaptation of pilot disciplines at participating UA universities (as part of the project)	Students, Teachers, Administrative staff, University management	- number of universities that have approved personalized learning policies in the project	- assessment of the complexity of the policy approval process at the university level; - assessment of the level of resistance and support for the introduction of a new model of study at universities
Participating universities gained experience in implementing a personalized learning model based on pilot disciplines	Students	- the number of students studying in accordance to the new model	- conformity assessment of expectations from the implementation of the training model and the results obtained in the framework of the project
	Teachers	- database of curricula content	
Launch of training programs on personalized learning and	Students	- number of students who attended training	- level of motivation of students to study;

the use of ICT tools in education will provide information support for project participants at each university		programs during the project	- reducing anxiety of students about educational success
	Teaching staff Administrative staff	- number of persons who participate in training programs during the project	- reducing the number of conflict situation - reduction of anxiety about the introduction of a new educational model of personalized learning - building commitment to project goals
E-books will be used as a roadmap for the implementation of a personalized learning model in the participating universities during the project	Students, Teachers	- the number of books that was developed as part of the project	- correspondence of the results of the adaptation of curricula and materials according to the model of personalized learning, to what was declared in e-books
SMART online-platform will be used in the educational process at participating Universities as part of the project	Students	- number of students who participated in testing exploitation of SMART-PL	- results of modular and session knowledge control of students - ergonomic feedback from students and teachers
	Teaching staff	- number of teachers who participated in testing exploitation of SMART-PL - the number of training materials that were uploaded to the system	
The working format for Co-working Centers “Learning with no Limits” will be developed and implemented. This format of communication between the departments of ensuring the quality of education, students and teachers will be tested and updated during the project	Students		feedback from students and teachers about the activities of the center
	Teaching staff		
	Administrative staff	-centers’ activity reports	improving the quality of communication between quality assurance departments, teachers and students

3.2 Communication, dissemination and visibility

Communication, dissemination and visibility of funding

Describe the communication and dissemination activities which are planned in order to promote the activities/results and maximise the impact (to whom, which format, how many, etc.). Clarify how you will reach the target groups, relevant stakeholders, policymakers and the general public and explain the choice of the dissemination channels.

Describe how the visibility of EU funding will be ensured.

The Dissemination and Exploitation Plan for the SMART-PL project will be developed and reviewed throughout the project. This document will be used as a starting point and guide for the dissemination and use activities undertaken by the consortium partners to promote the project's goals and objectives, its results and ensure that quality results are delivered in a timely manner. This document is necessary to ensure that all activities are completed in a timely manner and that the quality of tasks is up to the high standards set by the project coordinator and the partners involved.

Dissemination and Exploitation Plan will be directed on the following Target Groups:

- Academic and teaching staff as well as administrative and managers of Ukrainian universities involved in the project.
- Bachelor, master and PhD students of participating Ukrainian universities.
- Employers (professional associations and the companies that operate in the field of IT involved into SMART-PL project as associated partners).
- Graduates of the secondary and technical schools as potential universities' entrants and their parents.
- HEIs of Ukraine, which do not directly participate in the project, as potential users of developed courses, training programs, teaching/learning materials and information-diagnostic online SMART platform.

- Enterprises of high-tech industries and research institutions that need specialists who have the required level of qualifications and are able to learn throughout their lives.
 - Institutions of the Ministries of Education and Science of Ukraine, which provide planning of specialists necessary for the industries, research institutions and other HEIs and accept new training programs (curricula).
- To supply the approaching of the above-mentioned goals and objectives as well as successful implementation of the project as a whole, in accordance with the Dissemination and Exploitation Plan the Partners should resolve the following tasks:
1. Development of information and promotional materials.
 2. Organization of information sessions for target groups
 3. Development of a web portal for the project and promotion of the project in social networks
 4. Recommendations on new learning methods and tools for targeted stakeholders outside the project
 5. Creation of a network of universities for internships for students and young teachers/researchers, including in virtual and hybrid mode.
 7. Hosting and maintenance of SMART platform beyond the project.
 8. Strengthening cooperation beyond the project to sustain the outcomes.
- The final conference will be organized by the Ivan Franko National University of Lviv in order to disseminate the project and its results. The goal is to reach a wide and diverse audience of project stakeholders in order to promote the actions taken under the SMART-PL project, its results, as well as offer new ways to promote best practices in personalized learning, methodological and technical support for its implementation in universities. Ukraine.

3.3 Sustainability and continuation

Sustainability, long-term impact and continuation		
<i>Describe the follow-up of the project after the EU funding ends. How will the project impact be ensured and sustained?</i>		
<i>What will need to be done? Which parts of the project should be continued or maintained? How will this be achieved? Which resources will be necessary to continue the project? How will the results be used?</i>		
<i>Are there any possible synergies/complementarities with other (EU funded) activities that can build on the project results?</i>		
Sustainable Outcomes	Strategy to ensure their sustainability	Resources necessary to achieve this
The common policy of personalized learning is developed and approved as an official document in each partner university.	After the project is completed, the model will be scaled to other academic disciplines. The universities participating in the project, through the use of various dissemination channels, disseminate information about the developed model at the regional and national levels. They will advise other universities on the implementation and use of the model.	Development of teaching, test and other resources for using the model and software in educational process will not require additional costs from universities after the project will be completed. This work will be included in the work plan of teachers.
2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance are prepared.	After the completion of the project, these books will be used for other training courses by both project participants and other universities that are not participating in the project.	No additional costs
2 training programs: “Competency-based personalized learning and formative assessment in the system of higher education quality assurance”, “Opportunities of open virtual educational platforms for students and teacher	After the completion of the project, such trainings will be held for all students and teachers, as well as for all new students, both project participants and other universities not participating in the project.	Such work will be included in the duties of the staff of the department for ensuring the quality of education, as well as teachers of departments, curators.
The information-diagnostic online SMART-PL platform based on the adaptation of an	It will be actively used in the educational process for students of all forms of education (full-time, part-time) and	The platform will be opensource, If necessary, it can be further developed, developed, or adapted to the needs of



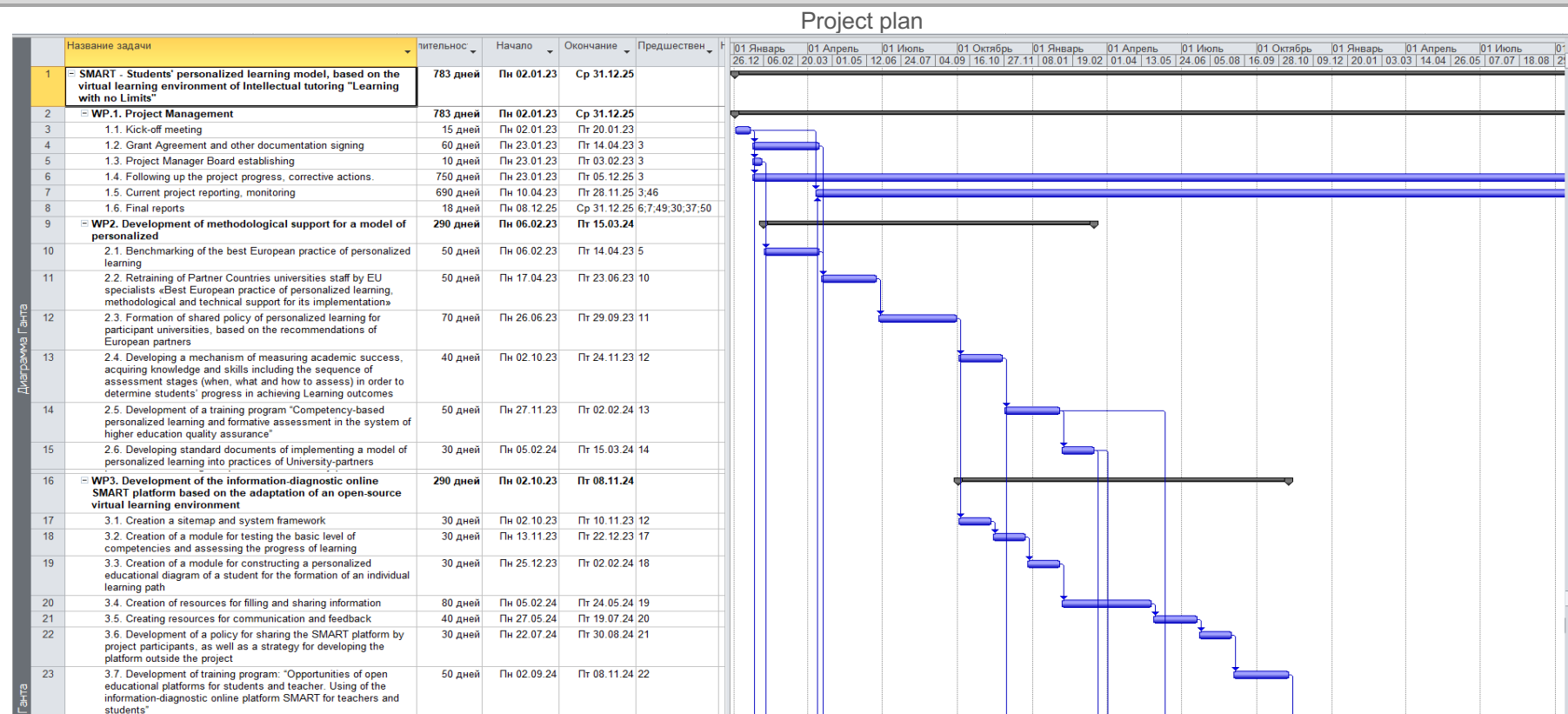
open-source virtual learning environment is developed and approved as a tool to support the educational process.	educational process organization modes (online, offline, hybrid). It can also be used for refresher courses.	stakeholders (universities budget, sponsorship of employers).
Co-working Centers «Learning with No Limits» are equipped with workplaces, hardware and software for hybrid learning and computers for students with special educational needs in each partner university	In the process of creation, these centers go through the justification procedure and officially become part of the universities. Other regional and national universities not participating in the consortium will be able to learn from the experience of creating such Centers.	This will not require additional financial resources after the project will be completed, because the university staff in this case does not increase.
The use of specialized computer equipment for people with disabilities	The purchased equipment will be used by students with disabilities. Universities will be able to develop a strategy for implementation of inclusive education for selected professions outside the scope of the project.	Additional hardware and software may be required to expand the reach of people with special educational needs. Sponsors from public organizations and representatives of employers will be attracted for the purchase.
Improvement of educations quality, innovation excellence in education and training.	The procedures developed in the project will create a tool for obtaining regular feedback on the quality of the educational process and the needs of the labor market: interviews, surveys, seminars.	Human resources and time to arrange feedback from potential employers. Creation own European HEIs network for internship of students and young teachers/researchers. Financing of participation in international scientific conferences and other events on education topics.
Creation of a network of universities for internships for students and young teachers/researchers, including in virtual and hybrid mode.	The implementation of the project will create a platform for continuous cooperation between the universities of the EU and Ukraine, cooperation between universities and research institutions, non-academic institutions within Ukraine. The procedures developed in the project will create a tool for obtaining regular feedback on the quality of the educational process and the needs of the labor market: interviews, surveys, seminars. Which in turn will increase the participation of teachers and students in international and EU-supported projects.	University's own resources. Financial support from employers and public organizations through bilateral and multilateral agreements.

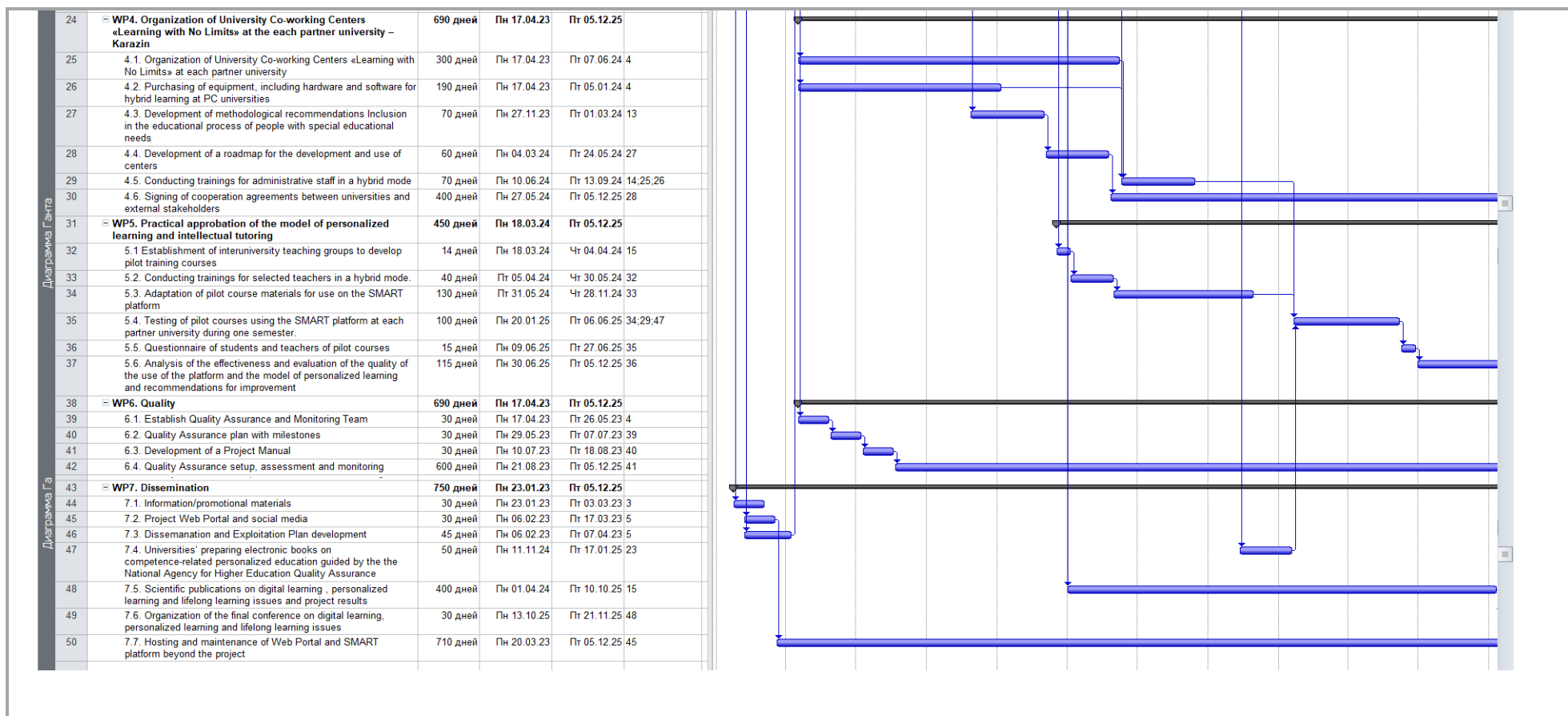
4. WORK PLAN, WORK PACKAGES, TIMING AND SUBCONTRACTING

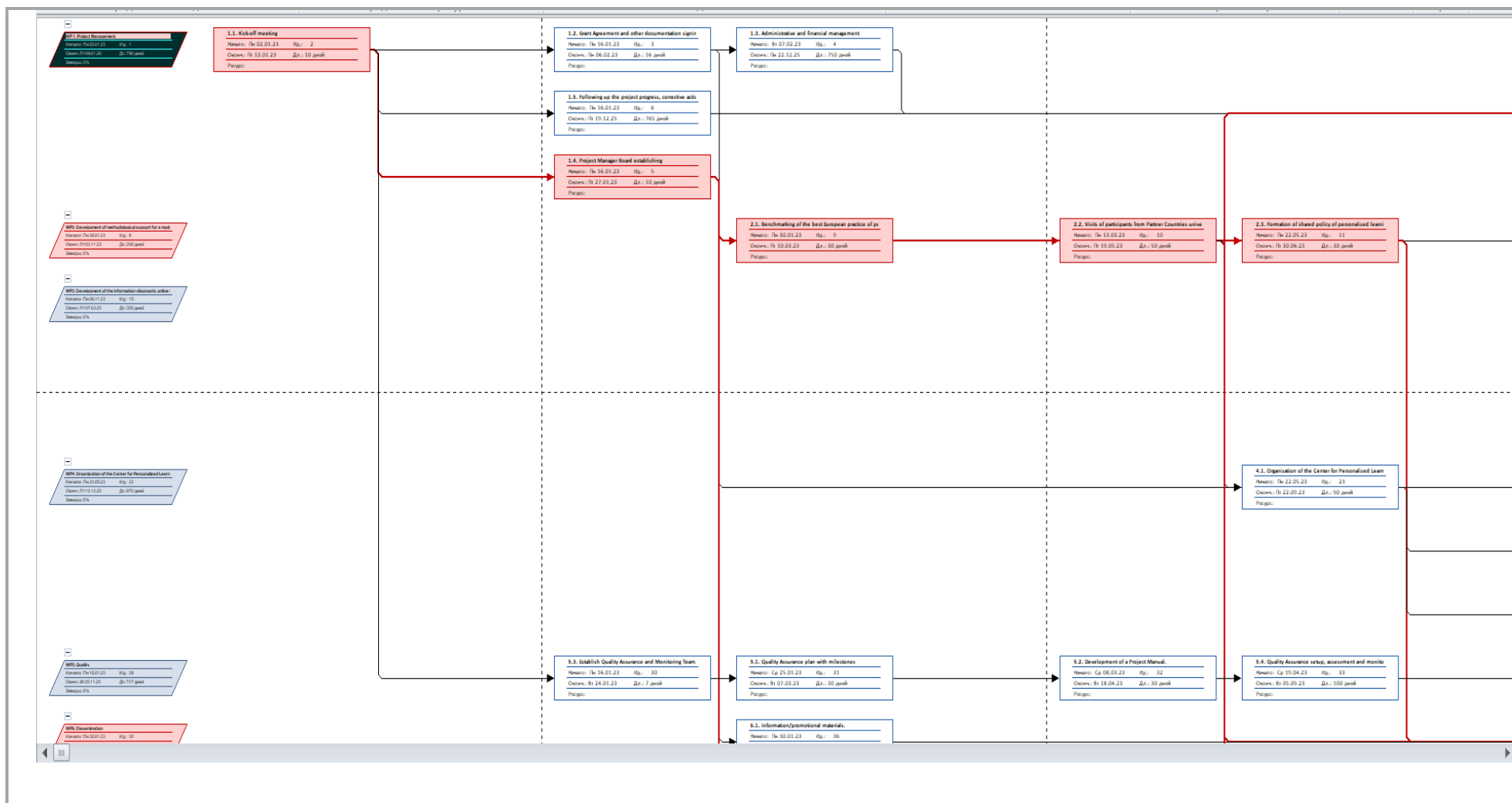
4.1 Work plan

Work plan

Provide a brief description of the overall structure of the work plan (list of work packages or graphical presentation (Pert chart or similar)).







4.2 Work packages and activities

WORK PACKAGES

This section concerns a detailed description of the project activities.

Group your activities into work packages. A work package means a major sub-division of the project. For each work package, enter an objective (expected outcome) and list the activities, milestones and deliverables that belong to it. The grouping should be logical and guided by identifiable deliverables/outputs.

Projects should normally have a minimum of 2 work packages. WP1 should cover the management and coordination activities (meetings, coordination, project monitoring and evaluation, financial management, progress reports, etc.) and all the activities which are cross-cutting and therefore difficult to assign to another specific work package (do not try splitting these activities across different work packages). WP2 and further WPs should be used for the other project activities. You can create as many work packages as needed by copying WP1. The last WP should be dedicated to Impact and dissemination

Please refer to the Call document/Programme Guide for specific requirements concerning the number and the typology of work packages.

Work packages covering financial support to third parties (⚠ only allowed if authorised in the Call document/Programme Guide) must describe the conditions for implementing the support (for grants: max amounts per third party; criteria for calculating the exact amounts, types of activity that qualify (closed list), persons/categories of persons to be supported and criteria and procedures for giving support; for prizes: eligibility and award criteria, amount of the prize and payment arrangements).

⚠ Enter each activity/milestone/output/outcome/deliverable only once (under one work package).

Work Package 1

Work Package 1: [Project Management]

Duration:	01.23 – 12.25	Lead Beneficiary:	Tallinn University of Technology
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Objectives

List the specific objectives to which this work package is linked.

- ✓ Effective management of human, financial and material resources in the face of restrictions on the cost and time of project execution.
- ✓ Provide a mechanism for the interaction of all project participants and stakeholders, including employers, the public and regulatory authorities, to create a project result.

Activities (what, how, where) and division of work

Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.

Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating **in bold** the task leader. Add information on other participants' involvement in the project e.g. subcontractors, in-kind contributions.

Note:
 In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package. The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.

Task No (continuous numbering linked to WP)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE, AP, OTHER)	
T1.1	Kick-off meeting	Organization and holding of a kick-off meeting of the project team by the Project Coordinator. Representatives of each participating team represent their university and describe their experience of participating in EU grant projects in this area. The project coordinator presents the project work plan, expected results, preliminary quality plan, and communication strategy to the team and stakeholder representatives.	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" "Fundatsiya maybutnyogo"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP AP	
T1.2	Grant Agreement, Partnership agreements and other documentation signing	This task begins before the official launch of the project - immediately after the announcement of the results of the competition. Preparation of a template and approval of the form of the Grant Agreement, the Partnership Agreement between the project participants. Signing of agreements by all legal representatives of the project participants	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU	COO BEN BEN BEN BEN BEN BEN BEN BEN	

			KSU NAQA	BEN BEN	
T 1.3.	Project Manager Board establishing	Each University determines 2 representatives - the University coordinator and the project contact manager. At the online meeting with the project coordinator, the full list of such participants is approved, which is Project Manager Board. Further, all decisions on the project will be made by Project Manager Board	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 1.4	Following up the project progress, corrective actions.	Working meetings of Project Manager Board	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" "Fundachia maybutnyogo"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN AP AP	
T 1.5	Current project reporting, monitoring	Preparation of current project reports, preparation for preventive monitoring	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	

			“UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY” “Fundachia maybutnyogo”	AP AP	
T 1.6	Final reports	Preparation of all final documentation for the project, preparation and participation in the final monitoring of the project	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	

Milestones and deliverables (outputs/outcomes)

Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.

Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.

Deliverables are project outputs which are submitted to show project progress (any format). Refer only to major outputs. Do not include minor sub-items, internal working papers, meeting minutes, etc.

It is recommended to limit the number of deliverables to max 10-15 for the entire project. You may be asked to further reduce the number during grant preparation.

For deliverables such as meetings, events, seminars, trainings, workshops, webinars, conferences, etc., enter each deliverable separately and provide the following in the 'Description' field: invitation, agenda, signed presence list, target group, number of estimated participants, duration of the event, report of the event, training material package, presentations, evaluation report, feedback questionnaire.

For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).

For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date.

The labels used mean:

Public — fully open  automatically posted online on the Project Results platforms)

Sensitive — limited under the conditions of the Grant Agreement

EU classified —RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision [2015/444](#).

Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification
MS1	Kick-off meeting	1	TalTech	The meeting was held in accordance with the approved agenda,	01.2023	Report on the meeting, List of presence

				representatives of all project participants took part.		video recording, presentations of project participants
MS2	Grant Agreement and Partnership Agreements signed	1	TalTech	The coordinator have signed the Grant Agreement. All project participants have signed partnership agreements. Orders were signed on the formation of project teams at each university.	04.2023	Signed agreements and orders
MS3	Preventive monitoring	1	TalTech	The project coordinator and representatives of the universities of the partner countries took part in the preventive monitoring of the project, organized by the National Erasmus Office. The monitoring took place in accordance with the approved agenda. Recommendations for the further successful implementation of the project received	10.2023	Official report, presentations of team members and recommendations of the National Erasmus Office
MS4	Final Reports	1	TalTech	All beneficiaries prepared all project implementation reports. The Coordinator prepared a consolidated report on the implementation of the project for evaluation by the European Commission	12.2025	Reports

Deliverable No (continuous numbering linked to WP)	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)
D1.1	Kick-off meeting	1	TalTech	R - Agenda, list of participants, report DEC – presentation materials from participants, photos, video record, news in socials	SEN	01.2023	The kick-off meeting is the first important dissemination event. There is a presentation and acquaintance of all participants of the consortium. (Coordinator, Beneficiaries, Associated partners) Representatives of stakeholders are involved in the meeting. Participants post news on social networks and reports on the event

							18 off-line participants English language
D1.2	Consortium agreement	1	TalTech	Document, report	SEN	06.2023	Consortium agreement signed with all consortium partners English

Estimated budget — Resources *(n/a for prefixed Lump Sum Grants)*

Participant	Costs												
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties	E. Indirect costs	Total costs
TalTech	4 person months	16640 EUR										1165 EUR	17805 EUR
KULeuven	2 person months	15000 EUR		1 travels	1 persons travelling	295 EUR	535 EUR	400 EUR				1136 EUR	17366 EUR
PWR	4 person months	6700 EUR		1 travels	1 persons travelling	221 EUR	535 EUR	400 EUR				550 EUR	8406 EUR
IFNUL	4 person months	3800 EUR		1 travels	2 persons travelling	442 EUR	1070 EUR	800 EUR				428 EUR	6540 EUR
KNU	4 person months	3800 EUR		1 travels	2 persons travelling	460 EUR	1070 EUR	800 EUR				429 EUR	6559 EUR
KKNU	4 person months	3800 EUR		1 travels	2 persons travelling	460 EUR	1070 EUR	800 EUR				429 EUR	6559 EUR
KhNU	4 person months	3800 EUR		1 travels	2 persons travelling	442 EUR	1070 EUR	800 EUR				428 EUR	6540 EUR
ONPU	4 person months	3800 EUR		1 travels	2 persons travelling	460 EUR	1070 EUR	800 EUR				429 EUR	6559 EUR

IHE NAESU	4 person months	3800 EUR		1 travels	2 persons travelling	442 EUR	1070 EUR	800 EUR					428 EUR	6540 EUR
KSU	4 person months	3800 EUR		1 travels	2 persons travelling	460 EUR	1070 EUR	800 EUR					429 EUR	6559 EUR
NAQA	2 person months	1900 EUR		1 travels	1 persons travelling	221 EUR	535 EUR	400 EUR					214 EUR	3270 EUR
Total	40 person months	66840 EUR		1 travels	17 persons travelling	3909 EUR	9025 EUR	6800 EUR					6065 EUR	92307 EUR


For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see [Portal Reference Documents](#)).

Work Package 2

Work Package 2: [Development of methodological support for a model of personalized learning]			
Duration:	02.23 – 03.24	Lead Beneficiary:	Institute of Higher Education of the National Academy of Sciences of Ukraine
Objectives			
<i>List the specific objectives to which this work package is linked.</i>			
<ul style="list-style-type: none"> ✓ Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results. ✓ Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials. ✓ Ensure a feedback on students', teachers' and administration's efficiency. 			
Activities (what, how, where) and division of work			
<i>Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.</i>			
<i>Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating in bold the task leader.</i>			
<i>Add information on other participants' involvement in the project e.g. subcontractors, in-kind contributions.</i>			

Note:					
<i>In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package. The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.</i>					
Task No (continuous numbering linked to WP)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE, AP, OTHER)	
T2.1	Benchmarking of the best European practice of personalized learning	Organization and monitoring of the practices of using personalized learning at European Universities. At the same time, the Partner Countries Universities will conduct internal surveys about the needs of students, about the existing practice of personalized learning. As a result, European and Partner Countries' Universities experience will be summarized, gap-analyze will be conducted, directions and areas for improvement will be identified. As a result of benchmarking, a report will be prepared, which, in turn, will be presented during an online meeting for project participants and stakeholders	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T2.2	Retraining of Partner Countries universities staff by EU specialists «Best European practice of personalized learning, methodological and technical support for its implementation»	Organization of 2 retrainings events on the basis of KULeuven and Wroclaw University of Technical Sciences for teaching staff from Partner Countries Universities (3X2 persons from each University) The list of participants for each training is determined by the project manager from each university based on an internal competitive selection Participants will be familiarized with the developments of the EU universities in the aspect of personalized learning, formative assessment, lifelong learning practices, experience of inclusion of students with fewer opportunities an special educational needs and as well as study modern developments in the field of information and communication technologies in education	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 2.3.	Formation of shared policy of personalized learning for participant	Based on the information obtained as a result of benchmarking, as well as on new knowledge and skills	TalTech KULeuven	COO BEN	

	universities, based on the recommendations of European partners	obtained as a result of retrainings, representatives of Partner Countries Universities develop a common policy for personalized students' learning, which will form the basis of a new approach An online meeting of participants will be organized. During the meeting, the overall policy framework will be defined. Further, each University from the Partner countries will develop its own internal document, which will be approved by the University management	PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 2.4	Developing a mechanism of measuring academic success, acquiring knowledge and skills in the framework of personalized learning approach	Based on the policy of personalized learning, representatives of Partner countries Universities develop methodological recommendations for assessment, measurement of academic achievement, acquisition of knowledge and skills, including the sequence of assessment stages (when, what and how to assess) to determine the progress of students in achieving learning outcomes academic success Upon completion of this stage, an online meeting will be organized at which participants will present developments for representatives of the EU Universities and stakeholders	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 2.5	Development of a training program "Competency-based personalized learning and formative assessment in the system of higher education quality assurance"	Representatives of Partner Countries Universities of with the support of the EU Universities jointly develop a common training program "Competency-based personalized learning and formative assessment in the system of higher education quality assurance". Further, each Partner countries university adapts the training to the intra-university conditions. To determine the framework of the training program, a meeting of Partner Countries Participants will be organized in off-line format: 2 participants from Partner Countries Universities The training is developed in the language of instruction in each partner country-participant, and also translated into English. Universities from program countries are also able to use the developed materials in their activities.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 2.6	Developing standard documents of implementing a model of	Each Partner Countries University develops a model of personalized learning, and also improves the internal	TalTech KULeuven PWR IFNUL	COO BEN BEN BEN	

	personalized learning into practices of University-partners	University position on the individual trajectory of student learning based on the results of the project. These documents will be approved by the management of each university and will be published in the public domain.	KNU KGNU KhNU ONPU IHE NAESU KSU NAQA	BEN BEN BEN BEN BEN BEN BEN		
<p>Milestones and deliverables (outputs/outcomes)</p> <p><i>Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.</i></p> <p><i>Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.</i></p> <p>Deliverables are project outputs which are submitted to show project progress (any format). Refer only to major outputs. Do not include minor sub-items, internal working papers, meeting minutes, etc.</p> <p><i>It is recommended to limit the number of deliverables to max 10-15 for the entire project. You may be asked to further reduce the number during grant preparation.</i></p> <p><i>For deliverables such as meetings, events, seminars, trainings, workshops, webinars, conferences, etc., enter each deliverable separately and provide the following in the 'Description' field: invitation, agenda, signed presence list, target group, number of estimated participants, duration of the event, report of the event, training material package, presentations, evaluation report, feedback questionnaire.</i></p> <p><i>For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).</i></p> <p><i>For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date.</i></p> <p>The labels used mean:</p> <p>Public — fully open  automatically posted online on the Project Results platforms)</p> <p>Sensitive — limited under the conditions of the Grant Agreement</p> <p>EU classified —RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision 2015/444.</p>						
Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification
MS5	Benchmarking of best practices of personalized learning	2	IHE NAESU	The result of the milestone is a meeting of the project participants, at which the results of the benchmarking will be announced, the existing gaps at the Partner Countries Universities will be discussed, and it will be clearly defined what and how should be done in the process of implementing the project at the Universities of the partner countries	05.2023	The information received from the European partners is exhaustive in order to draw a conclusion about the practices of personalized learning. Surveys conducted by Universities in Partner Countries are of high quality and cover the

						required number of respondents. Report is adjusted by PMB
MS6	Retraining in EU Universities	2	KU Leuven PWR	Teachers from Partner Countries Universities have gained new experience and knowledge in order to become drivers in the process of implementing the best European practice and technologies of personalized learning in the framework of their Universities	07.2023	Reports about retraining, certificates for participants
MS7	Internal documentation developed : policy of personalized learning and mechanism	2	NAQA	The necessary official documents for launching project activities were developed and approved by the Project Management Board and the leadership of the Partner Countries Universities	03.2024	Approved policy of personalised learning in each University Approved methodical recommendations for measuring academic success, acquiring knowledge and skills in the framework of personalized learning approach
MS8	Training Competency-based personalized learning and formative assessment in the system of higher education quality assurance” developed	2	IHE NAESU	This training will be mandatory for teachers (as a professional development program) who will take part in adapting their disciplines according to the personalized learning approach (both within the project and after its completion). Also, such training can be held for teachers and administrative staff of other universities as part of the dissemination of the results of the project.	02.2024	Approved training program, presentation materials

Deliverable No (continuous numbering linked to WP)	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)
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D2.1	Benchmarking of the European and Ukrainian practice of applying a personalized approach to learning	2	IHE NAESU	R – Questionnaires, Report DEC-presentations	PU	05.2023	A report on benchmarking was prepared and published on the websites of universities and the web portal of the project, presentations were published English, Ukrainian
D2.2	Training in KU Leuven	2	KU Leuven	[R — report] [DEC —videos, photos, news in socials and Project Wes-site	SEN	07.2023	3 x 7 teachers from UA universities take part in retraining in KuLeuven English language
D2.3	The internal regulations on the use of personalized learning	2	NAQA	[R — regulations]	SEN	03.2024	Internal regulations in 6 UA universities are approved by Universities’ authorities Regulations are published in Universities’ official web-sites Ukrainian language
D2.4	“Competency-based personalized learning and formative assessment in the system of higher education quality assurance” – training program	2	IHE NAESU	[R — training program schedule, presentation materials	PU	02.2024	Working program of the training Presentation materials, training scripts in the public domain for all members of the consortium Ukrainian language
D2.5	Training in Politechnika Wroclawska	2	PWR	[R — report] [DEC —videos, photos, news in socials and Project Wes-site	SEN	07.2023	3 x 7 teachers from UA universities take part in retraining in Politechnika Wroclawska English language

Estimated budget — Resources *(n/a for prefixed Lump Sum Grants)*

Participant	Costs
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	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties		E. Indirect costs	Total costs
TalTech	3 person months	13440 EUR											941 EUR	14381 EUR
KULeuven	1 person months	8000 EUR											560 EUR	8560 EUR
PWR	4 person months	6750 EUR											473 EUR	7223 EUR
IFNUL	5 person months	6100 EUR		3 travels	8 persons travelling	1854 EUR	6720 EUR	4704 EUR					1338 EUR	20446 EUR
KNU	5 person months	6100 EUR		3 travels	8 persons travelling	2288 EUR	6720 EUR	4704 EUR					1387 EUR	21199 EUR
KKNU	5 person months	6100 EUR		3 travels	8 persons travelling	2288 EUR	6720 EUR	4704 EUR					1387 EUR	21199 EUR
KhNU	5 person months	6100 EUR		3 travels	8 persons travelling	2016 EUR	6720 EUR	4704 EUR					1368 EUR	20908 EUR
ONPU	5 person months	6100 EUR		3 travels	8 persons travelling	2016 EUR	6720 EUR	4704 EUR					1368 EUR	20908 EUR
IHE NAESU	6 person months	7400 EUR		2 travels	4 persons travelling	1144 EUR	3840 EUR	2688 EUR					1055 EUR	16127 EUR
KSU	5 person months	6100 EUR		3 travels	8 persons travelling	2016 EUR	6720 EUR	4704 EUR					1368 EUR	20908 EUR
NAQA	1 person months	1300 EUR											91 EUR	1391 EUR

Total	45 person months	73940 EUR		3 travels	52 persons travelling	13352 EUR	44160 EUR	30912 EUR					11336 EUR	173250 EUR]
For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see Portal Reference Documents).														

Work Package 3

Work Package 3: [Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment]					
Duration:	10.23 – 11.24	Lead Beneficiary:	Khmelnyskyi National University		
Objectives					
<i>List the specific objectives to which this work package is linked.</i>					
<ul style="list-style-type: none"> ✓ Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students' anxiety as for their own professional expertise and forming their confidence to achieve efficient results. ✓ Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies. 					
Activities (what, how, where) and division of work					
<i>Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.</i>					
<i>Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating in bold the task leader.</i>					
<i>Add information on other participants' involvement in the project e.g. subcontractors, in-kind contributions.</i>					
Note:					
<i>In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package.</i>					
<i>The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.</i>					
Task No (continuous numbering)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role	

linked to WP)				(COO, BEN, AE, AP, OTHER)	
T3.1	Development a sitemap and system framework	Joint preparation of terms of reference for the online platform. Selection of the underlying open source platform for development Terms of reference approval. In order to formulate and approve the general terms of reference, an online meeting of representatives of the project participants is organized.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	
T3.2	Development of a module for evaluating the basic level of competencies and assessing the progress of learning	Software development and testing of the module for evaluating the basic level of competencies and assessing the progress of studying the discipline. This task is carried out by the Leader of the work package, with the consulting support of other Universities participating in the project.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	
T 3.3.	Development of a module for constructing a "personalized educational diagram" of a student for the formation of an individual learning path	Software development and testing of the module for constructing a "personalized educational diagram" of a student for the formation of an individual learning path This task is carried out by the Leader of the work package, with the consulting support of other Universities participating in the project.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU	COO BEN BEN BEN BEN BEN BEN BEN BEN	

			KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	BEN AP	
T 3.4	Development of resources for filling and sharing information	Software development and testing of the functionality for filling and exchanging information within the platform This task is carried out by the Leader of the work package, with the consulting support of other Universities participating in the project.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	
T 3.5	Development of resources for communication and feedback	Software development and testing of the module for communication between teachers and students and the formation of feedback This task is carried out by the Leader of the work package, with the consulting support of other Universities participating in the project.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	
T 3.6	Development of a policy for sharing the SMART platform by project participants, as well as a strategy for developing the platform outside the project	Development and approval of documentation for the use of the platform. Joint development by team members of principles and policies for platform sharing at Program Countries Universities Joint development of a strategy (roadmap) for the development of the platform beyond the project	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU	COO BEN BEN BEN BEN BEN BEN BEN	

		As part of this task, a meeting of project team members will be implemented in a offline format: representatives of Partner Countries of Universities - offline, representatives of EU Universities and stakeholders - online	IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	BEN BEN AP	
T 3.7	Development of training program: "Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students"	Joint development of the training "Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students" The training is developed in the language of instruction in each partner country-participant, and also translated into English. Universities from EU countries are also able to use the developed materials in their activities. Development of online instructions for using the SMART-platform: 1 for teachers, 1 for students	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	

Milestones and deliverables (outputs/outcomes)

Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.

Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.

Deliverables are project outputs which are submitted to show project progress (any format). Refer only to major outputs. Do not include minor sub-items, internal working papers, meeting minutes, etc.

It is recommended to limit the number of deliverables to max 10-15 for the entire project. You may be asked to further reduce the number during grant preparation.

For deliverables such as meetings, events, seminars, trainings, workshops, webinars, conferences, etc., enter each deliverable separately and provide the following in the 'Description' field: invitation, agenda, signed presence list, target group, number of estimated participants, duration of the event, report of the event, training material package, presentations, evaluation report, feedback questionnaire.

For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).

For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date.

The labels used mean:

Public — fully open  automatically posted online on the Project Results platforms)

Sensitive — limited under the conditions of the Grant Agreement

EU classified —RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision [2015/444](#).

Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification	
MS9	The terms of reference for the development of SMART online platform for personalized learning have been agreed	3	TalTech	Based on the terms of reference, all components of the online platform will be developed	11.2023	Terms of Reference approved by the project Coordinator	
MS10	SMART online platform has been developed	3	KhNU	The online platform has been developed, passed preliminary testing and is ready for use in the educational process	07.2024	Online-platform is ready to use	
MS11	Accompanying technical documentation and materials for sharing and distribution of the learning platform outside the project are ready	3	KhNU	Instructions for using the platform, for downloading educational materials, etc. ready for use and published in the public domain	08.2024	Accompanying documentation published in the public domain	
MS12	Training “Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” has been developed	3	KNU	This training will be mandatory for teachers (as a professional development program) who will take part in adapting their disciplines according to the personalized learning approach (both within the project and after its completion). Also, such training can be held for teachers and of other universities as part of the dissemination of the results of the project	11.2024	Training program and presentation material	
Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)

(continuous numbering linked to WP)							
D3.1	SMART-PL online platform	3	KhNU	[R — Supporting technical documentation] [DEM on-line platform	PU	08.2024	SMART - online platform is fully developed, ready for use. Accompanying technical documents (instructions for use) are ready for distribution among the consortium participants and outside the project Ukrainian, English
D3.2	“Opportunities of open educational platforms for students and teacher. Using of the information-diagnostic online platform SMART for teachers and students” – training program	3	KhNU	[R — training program schedule, presentation materials	PU	11.2024	Working program of the training Presentation materials, training scripts in the public domain for all members of the consortium Ukrainian language

Estimated budget — Resources <i>(n/a for prefixed Lump Sum Grants)</i>														
Participant	Costs													
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties		E. Indirect costs	Total costs
TalTech	2 person months	8960 EUR		1 travels	1 persons travelling	230 EUR	610 EUR	400 EUR					714 EUR	10914 EUR
KULeuven	1 person months	8000 EUR		1 travels	1 persons travelling	343 EUR	610 EUR	400 EUR					655 EUR	10008 EUR

PWR	2 person months	3510 EUR		1 travels	1 persons travelling	221 EUR	610 EUR	400 EUR					332 EUR	5073 EUR
IFNUL	2 person months	2400 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					323 EUR	4943 EUR
KNU	2 person months	2400 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					323 EUR	4943 EUR
KKNU	2 person months	2400 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					323 EUR	4943 EUR
KhNU	9 person months	10300 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					876 EUR	13396 EUR
ONPU	2 person months	2400 EUR											168 EUR	2568 EUR
IHE NAESU	2 person months	2500 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					323 EUR	4943 EUR
KSU	2 person months	2400 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR					323 EUR	4943 EUR
NAQA	2 person months	2400 EUR		1 travels	1 persons travelling	100 EUR	610 EUR	400 EUR					91 EUR	1391 EUR
Total	26 person months	45270 EUR		1 travels	16 persons travelling	2094 EUR	9760 EUR	6400 EUR					4445 EUR	67969 EUR]
For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see Portal Reference Documents).														

Work Package 4

Work Package 4: [Organization of University Co-working Centres «Learning with No Limits» at the each partner university]

Duration:	04.23 – 12.25	Lead Beneficiary:	V.N. Karazin Kharkiv National University		
Objectives					
<i>List the specific objectives to which this work package is linked.</i>					
<ul style="list-style-type: none"> ✓ Enhance student’s motivation to learning through applying the by-the-learner approach and create conditions to meet students’ individual needs associated with differentiation and personalization of academic trajectories. ✓ Create extra opportunities to get a higher education for people with disabilities and specific academic needs through inclusive education and the implemented model of personalized learning and hybrid technologies. ✓ Facilitate students’ mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits. ✓ Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers’ current demands; create the continuous learning culture. 					
Activities (what, how, where) and division of work					
<i>Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.</i>					
<i>Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating in bold the task leader.</i>					
<i>Add information on other participants’ involvement in the project e.g. subcontractors, in-kind contributions.</i>					
Note:					
<i>In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package.</i>					
<i>The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.</i>					
Task No (continuous numbering linked to WP)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE, AP, OTHER)	
T4.1	Organization of University Co-working Centres «Learning with No Limits» at each partner university	A co-working center for students and teachers will be created at each Partner Country University within the framework of education quality assurance departments.	TalTech KULeuven PWR IFNUL	COO BEN BEN BEN	Universities provide a classroom for co-working centers, carry out repair and preparatory work at their own expense

		Tasks: to select a class room for the center, to carry out repair work, to solve all administrative issues related to the commissioning of the center, the grand opening of the center	KNU KGNU KhNU ONPU IHE NAESU KSU	BEN BEN BEN BEN BEN BEN	
T4.2	Purchasing of equipment, including hardware and software for hybrid learning at PC universities	<p>Joint compilation and justification by representatives of PC Universities of the list of necessary equipment for co-working Centers. Rationale for Purchasing Equipment for Students with Special Needs</p> <p>Recommended equipment list for each university:</p> <p>Visualizers (Document Cameras) - 1 item Wireless lavalier microphone - 1 item Professional PTZ Camera – 1 item Tablet with Pen – 2 items Interactive Panel 75 – 1 item Laptop Screen 13.3 / Intel Core i7-1165G7 (2.8 - 4.7 GHz) / RAM 32 GB / SSD 2 TB / Wi-Fi / Bluetooth / LTE / webcam / Windows 10 Pro 64bit / stylus – 1 item Laptop Screen 15.6" / Intel Core i5-11400H (2.7 - 4.5 GHz) / RAM 16 GB / SSD 512 GB / Wi- Fi / Bluetooth / webcam / Windows 10 Pro 64bit – 2 items VP EmBraille braille printer - 1 item Braille display Brailliant BI 40X – 1 item</p> <p>Approval of the list of equipment by the Project Coordinator.</p> <p>Organization of tenders for the purchase of equipment.</p> <p>Procurement and delivery of equipment to Universities of partner countries. Putting equipment on the balance sheet of Universities.</p>	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY"	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP	
T 4.3	Development of a roadmap for the development and use of centres	Each PC University, in accordance with the internal development Strategy and priorities,	TalTech KULeuven PWR	COO BEN BEN	

		develops a roadmap for the development of the co-working Center	IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU Stakeholders	BEN BEN BEN BEN BEN BEN BEN OTHERS	
T 4.4	Development of methodological recommendations "Inclusion in the educational process of people with special educational needs"	Based on the information and knowledge obtained as a result of the retrainings, representatives of PC Universities jointly develop framework of recommendation. Further, each university independently adapts these recommendations in accordance with the possibilities to organize the educational process for students with special educational needs. To develop a general framework for the training, an online meeting of project participants will be organized	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU "Fundatsiya maybutnyogo" Employers, Academicals stakeholders	COO BEN BEN BEN BEN BEN BEN BEN AP OTHERS	
T 4.5	Conducting internal consultations (workshops) for administrative and teaching staff in a hybrid mode	Participants of Partner Country Universities who have undergone retraining at EU Universities and participated in the development of recommendations will organize internal consultations on the basis of co-working centers for administrative and teaching staff in hybrid format. Such consultations will be held simultaneously with the involvement of representatives of different Partner Countries Universities, as well as associated partners and other stakeholders. The purpose of the consultations is to increase the competence to work with students with fewer opportunities and special educational needs and to form a shared vision of the project results	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU	COO BEN BEN BEN BEN BEN BEN BEN BEN	

T 4.6	Signing of cooperation agreements between universities and external stakeholders	Project team members (Project management board) carry out organizational work to sign bilateral agreements on promising creative, scientific, project cooperation between the EU and PC Universities, between universities and non-academic project participants, as well as other stakeholders outside the project. Signing agreements	TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU	COO BEN BEN BEN BEN BEN BEN BEN BEN	
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Milestones and deliverables (outputs/outcomes)

Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.

Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.

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For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).

For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date.

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Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification
MS13	The purchase of equipment for the centers has been completed. Equipment handed over to universities of partner countries	4	IFNUL	The use of equipment that will be purchased within the framework of the project, and which will be used in the co-working Centers of the Partner Countries' Universities, will allow to activate the processes of personalized learning, promote the development of	01.2024	The equipment is put on the balance of each University Grand opening of co-working Centers «Learning with No Limits»

				the creative potential of students and teachers			
MS14	Recommendations have been developed for the inclusion in the educational process of students with fewer opportunities and special educational needs. Consultations for administrative and teaching staff within the framework of the project have been conducted in each Partner Country University	4	IHE NASU	The use of the developed recommendations on the inclusion of students themselves, or participation in consultations, will increase the competence of teaching and administrative staff in matters of high-quality education of students with special educational needs, as well as the use of specialized equipment , purchased within the framework of the project		09.2024	Methodical recommendations approved by the Manadement of Partner Countries Universities Consultation Reports e-format Ukrainain
Deliverable No (continuous numbering linked to WP)	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)
D4.1	Co-working Centers «Learning with No Limits”	4	IFNUL	[DEM — Centers [DEC —news, photos, videos in Socials and local media]	PU	06.2024	The centers are organized in 6 Ukrainian partner universities. Purchased equipment has been installed in the centers. Ceremonial openings of the centers were held. News about the opening is posted on the official website of the project, on the websites of Universities, in social networks, in local media. Ukrainian, English
D4.2	Recommendations "Inclusion in the educational process of people	4	IHE NASU	[R — Document,]	PU	03.2024	Methodological recommendations are approved by the leadership of 6 Ukrainian universities.

	with special educational needs"						Published on the websites of universities and are in the public domain Ukrainian
D4.3	Consultations on inclusive education	4	NAQA	[R — report]	SEN	09.2024	5 representatives of the administration and 5 teachers from 6 Ukrainian universities took part in the consultation in a hybrid format Ukrainian
D4.4	Cooperation agreements	4	KRNU	[R — Agreement]	SEN	12.2025	Each Ukrainian academic university signs at least 2 agreements on creative cooperation with other members of the consortium Ukrainian, English

Estimated budget — Resources *(n/a for prefixed Lump Sum Grants)*

Participant	Costs											Total costs	
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties		E. Indirect costs
TalTech	2 person months	8960 EUR										627 EUR	9587 EUR
KULeuven	1 person months	8000 EUR										560 EUR	8560 EUR
PWR	2 person months	3510 EUR										246 EUR	3756 EUR
IFNUL	4 person months	4300 EUR						21500 EUR				1806 EUR	27606 EUR

KNU	4 person months	4300 EUR							21500 EUR				1806 EUR	27606 EUR
KKNU	5 person months	5600 EUR							21500 EUR				1897 EUR	28997 EUR
KhNU	4 person months	4300 EUR							21500 EUR				1806 EUR	27606 EUR
ONPU	4 person months	4300 EUR							21500 EUR				1806 EUR	27606 EUR
IHE NAESU	1 person months	1300 EUR											91 EUR	1391 EUR
KSU	4 person months	4300 EUR							21500 EUR				1806 EUR	27606 EUR
NAQA														
Total	31 person months	48870 EUR							129000 EUR				12451 EUR	190321 EUR

For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see [Portal Reference Documents](#)).

Work Package 5

Work Package 5: [Practical approbation of the model of personalized learning and intellectual tutoring]					
Duration:	03.24 – 12.25	Lead Beneficiary:	POLITECHNIKA WROCLAWSKA		
Objectives					
<i>List the specific objectives to which this work package is linked.</i>					
<ul style="list-style-type: none"> ✓ Enhance student’s motivation to learning through applying the by-the-learner approach and create conditions to meet students’ individual needs associated with differentiation and personalization of academic trajectories. ✓ Increase transparency and comprehensibility of education and assessment for students (including the results of non-formal education), reducing students’ anxiety as for their own professional expertise and forming their confidence to achieve efficient results. ✓ Improve educational programs of universities by updating the process of formation of competencies and the distribution of program results of student learning between educational components; to improve the quality of teaching materials. ✓ Enhance interaction of all the interested parties including employers, the community and controlling bodies (the Ministry of Education and Science of Ukraine, the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies. <ul style="list-style-type: none"> ▪ Ensure a feedback on students’, teachers’ and administration’s efficiency. 					
Activities (what, how, where) and division of work					
<i>Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.</i>					
<i>Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating in bold the task leader.</i>					
<i>Add information on other participants’ involvement in the project e.g. subcontractors, in-kind contributions.</i>					
Note:					
<i>In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package.</i>					
<i>The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.</i>					
Task No (continuous number)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE,	

g linked to WP)				AP, OTHER)	
T5.1	Establishment of interuniversity teaching groups to develop pilot training courses	Within the PC of Universities, open competitions are organized to select university staff who will adapt the teaching materials of their disciplines to apply the personalized learning methodology developed by the project team. Min 10 persons from each PC University	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T5.2	Conducting trainings for selected teachers in a hybrid mode.	Within each PC of the University, team members who were previously retrained at EU Universities conduct trainings for teachers, selected on a competitive basis on the application of the personalized learning methodology, as well as the use of the online SMART platform developed in the project. Training format: a series of 2-day trainings for mixed groups of teachers from Partner Countries Universities, which will be organized by different universities in a hybrid format	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 5.3.	Adaptation of pilot course materials for use on the SMART platform	Each teacher for 1 discipline adapts and supplements educational materials in order to upload them to the database of the online platform (structuring the content of the discipline, developing an assessment scale, developing tests and additional tasks) At the end of this task, an online meeting of the Project Management Board in online format will be organized, at which representatives of Partner Countries Universities will provide a report on the readiness to launch a personalized learning methodology and use the online platform	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 5.4	Testing of pilot courses using the SMART platform at each partner university during one semester.	During the semester, each teacher organizes the teaching of his/her discipline, based on the methodology of personalized learning and actively uses the online SMART platform	TalTech KULeuven PWR IFNUL KNU	COO BEN BEN BEN BEN	

			KKNU KhNU ONPU IHE NAESU KSU NAQA	BEN BEN BEN BEN BEN BEN	
T 5.5	Questionnaire of students and teachers of pilot courses	Representatives of the PC Universities jointly develop questionnaires for students and teachers about the experience of using personalized learning and the online platform. These questionnaires are coordinated with EU representatives by the University and approved by the Project Coordinator Conducting an online survey of students and teachers (using Google forms)	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 5.6	Analysis of the effectiveness and evaluation of the quality of the use of the platform and the model of personalized learning and recommendations for improvement	Processing of questionnaires by the project manager at each PC University, evaluation of experience Formation of a general report on the effectiveness or problems of personalized learning approach implementation and the online SMART platform implementation Continued testing of disciplines on students of the next courses, expanding the number of disciplines, attracting new teachers	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN	

Milestones and deliverables (outputs/outcomes)

Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.

Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.

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For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).

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Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification
MS15	Selected teachers were trained within their University	5	IFNUL	In order for teachers to adapt teaching materials to high quality requirements, they must first undergo training in the application of a personalized approach and the use of an online platform.	05.2024	List of participants, certificates Reports in each Partner country University
MS16	According to the list of pilot disciplines approved by the institutional manager of the project, materials for personalized learning were adapted and uploaded to the platform database	5	PRW	This is a preparatory stage, after which the study of selected disciplines will be organized according to a personalized approach to learning and based on the use of an online platform	12.2024	Information and study materials for all selected disciplines are uploaded to the online platform
MS17	Within each university, an assessment of the implementation of a personalized learning approach based on the developed software was made The Project Coordinator approved the consolidated report	5	ONPU	To implement the assessment, questionnaires for students and teachers will be developed. Evaluation of the results of applying a personalized approach and an online platform will allow timely identification of undesirable deviations and problems at the project implementation stage and will allow to correct the approach to teaching	12.2025	Questionnaires filled out by students and teachers. Progress Report The project coordinator prepares a consolidated report for all universities from partner countries

Deliverable No (continuous numbering linked to WP)	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)
D5.1	Internal trainings for Teachers on personalized learning and the use of the SMART platform	5	IFNUL	[R — report, certificates	SEN	05.2024	10 teachers from each of the 6 academic universities completed 2 trainings "Applications of personalized learning.." and "Applications of the SMART platform.." Hybrid format Ukrainain
D5.2	Adaptation of pilot disciplines for learning in a personalised approach and using the SMART online platform	5	PWR	[R — report DEM — Demonstrator, pilot, [PU	06.2025	60 disciplines are adapted to the conditions of application of the personalized approach. On average, 800 students from universities - members of the consortium were trained Ukrainain

Estimated budget — Resources (n/a for prefixed Lump Sum Grants)

Participant	Costs												
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accomodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties	E. Indirect costs	Total costs
TalTech	2 person months	8960 EUR										627 EUR	9587 EUR
KULeuven	1 person months	8000 EUR										560 EUR	8560 EUR

PWR	4 person months	7029 EUR												491 EUR	7511 EUR
IFNUL	7 person months	8500 EUR												595 EUR	9095 EUR
KNU	7 person months	8500 EUR												595 EUR	9095 EUR
KKNU	7 person months	8500 EUR												595 EUR	9095 EUR
KhNU	7 person months	8500 EUR												595 EUR	9095 EUR
ONPU	7 person months	8500 EUR												595 EUR	9095 EUR
IHE NAESU	3 person months	3800 EUR												266 EUR	4066 EUR
KSU	7 person months	8500 EUR												595 EUR	9095 EUR
NAQA	1 person months	1300 EUR												91 EUR	1391 EUR
Total	53 person months	80080 EUR												5605 EUR	85685 EUR]
For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see Portal Reference Documents).															

Work Package 6

Work Package 6: [Quality Assurance]					
Duration:	01.23 – 12.25	Lead Beneficiary:	Katholieke Universiteit Leuven		
Objectives					
<i>List the specific objectives to which this work package is linked.</i>					
<ul style="list-style-type: none"> ✓ Enhance interaction of all the interested parties including employers, the community and controlling bodies (the National Agency of Quality Assurance for Higher Education) to create a flexible mechanism of adapting academic results to market changes and modern technologies. ✓ Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture. 					
Activities (what, how, where) and division of work					
<i>Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.</i>					
<i>Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating in bold the task leader.</i>					
<i>Add information on other participants' involvement in the project e.g. subcontractors, in-kind contributions.</i>					
Note:					
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<i>The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.</i>					
Task No (continuous numbering linked to WP)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE, AP, OTHER)	
T6.1	Establish Quality Assurance and Monitoring Team	The partners will nominate the Project Quality Assurance and Monitoring Team (QAMT) at the kick-off meeting. For internal evaluation processes, each partner appoints to QAMT one academic staff. The QAMT will develop the Project Quality	TalTech KULeuven PWR IFNUL KNU	COO BEN BEN BEN BEN	

		Assurance plan (PQAP), which will be approved by the MC in the beginning of the project. Additionally, a working group for internal quality control activities will be created at each UA HEI..	KKNU KhNU ONPU IHE NAESU KSU NAQA "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" "Fundatsiya maybutnyogo	BEN BEN BEN BEN BEN BEN AP AP	
T6.2	Quality Assurance plan with milestones	The QAMT will develop the Project Quality Assurance plan (PQAP), which will be approved by the Project Management Board in the beginning of the project QAP will be used for the monitoring activities and periodic review of the project and its outputs. It will ensure that: - development of a model of personalized learning is carried out in accordance with the approved policy. -non-academic participants, students, labor market stakeholders participate in curricula and educational materials updating - the functionality of the online SMART platform meets the requirements of the adopted policy of personalized learning - purchased equipment is used according to its purpose in all co-working centres at the departments of quality assurance of PC universities - learning resources are available to the teachers and students. Monitoring of the progress and achievements of students is in place	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA "UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY" "Fundatsiya maybutnyogo	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN AP AP	
T 6.3.	Development of a Project Manual	A Project Manual is created, procedures and communication inside and outside project are confirmed, and a reporting system is established. The "Project Manual" is a summary of rules, methods and tools that fixes:	TalTech KULeuven PWR IFNUL KNU KKNU	COO BEN BEN BEN BEN BEN	

		<p>- the project objectives and their analysis in terms of products, tasks and necessary resources (personnel, financial and material);</p> <p>- a related reliable time and financial schedule;</p> <p>- the specific project procedures in accordance with Erasmus+ programme requirements;</p> <p>- the measures to reach cost and delay objectives of the project.</p> <p>The Project Manual will be presented and discussed with all participants during the project kick-off meeting. The Coordinator with assistance of the Project Manager Board will ensure the responsibility for technical management and administrative</p>	<p>KhNU ONPU IHE NAESU KSU NAQA</p>	<p>BEN BEN BEN BEN BEN</p>	
T 6.4	Quality Assurance setup, assessment and monitoring	<p>Quality assessment and monitoring will be arranged internally and also by external experts.</p> <p>Internal QA process:</p> <p>-Internal QAMT will establish the quality measures, which will be used for outcomes evaluation against the benchmarks and indicators.</p> <p>- Reporting system on the QA</p> <p>- Methodology for obtaining a feedback from the employers (research institutions, high-tech companies, professional associations) on new developed curricular though involvement in the elaboration of curricula at preparation stage of the project, consultations in the development stage and involvement in evaluation of the developed courses and programs during validation and tuning process.</p> <p>- Teachers and students training events and sessions, which will be arranged during the project, will be evaluated to the quality assurance. The evaluation will be arranged in the form “self-evaluation”. The QAMT teams under the leader WP4 will develop a methodology for “self-evaluation”: criteria of evaluation, questionnaires, the analysis form of the answers etc. The QAMT report to WP4 leader and to Management team at MC meetings.</p> <p>External QA process:</p>	<p>TalTech KULeuven PWR IFNUL KNU KGNU KhNU ONPU IHE NAESU KSU NAQA</p>	<p>COO BEN BEN BEN BEN BEN BEN BEN BEN BEN</p>	

			<p>-For the external quality control and monitoring, two experts from non-participating EU institutions will be subcontracted by the project and carry out external quality control activities.</p> <p>-The external evaluation will take place in the second and third project year, before and after the course implementation.</p> <p>-The state of quality of the project deliverables will be measured by Interim and Final Quality Reports from partners with the inputs from PQAP, as well as reports provided by external experts.</p>				
<p>Milestones and deliverables (outputs/outcomes) <i>Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty.</i> <i>Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.</i> Deliverables are project outputs which are submitted to show project progress (any format). Refer only to major outputs. Do not include minor sub-items, internal working papers, meeting minutes, etc. <i>It is recommended to limit the number of deliverables to max 10-15 for the entire project. You may be asked to further reduce the number during grant preparation.</i> <i>For deliverables such as meetings, events, seminars, trainings, workshops, webinars, conferences, etc., enter each deliverable separately and provide the following in the 'Description' field: invitation, agenda, signed presence list, target group, number of estimated participants, duration of the event, report of the event, training material package, presentations, evaluation report, feedback questionnaire.</i> <i>For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any).</i> <i>For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date.</i> <i>The labels used mean:</i> <i>Public — fully open (⚠ automatically posted online on the Project Results platforms)</i> <i>Sensitive — limited under the conditions of the Grant Agreement</i> <i>EU classified —RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision 2015/444.</i></p>							
Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification	
MS18	Quality assurance plan developed and approved by Project Coordinator	6	KULeuven	The project quality assurance plan is one of the most important starting documents. This document establishes requirements for the quality of the result of the project, and measures are planned to achieve them.	07.2023	Approved Quality Assurance Plan	
Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date	Description

(continuous numbering linked to WP)						(month number)	(including format and language)
D6.1	Quality Assurance Plan	6	KuLeuven	/R — Document,	PU		Quality Assurance Plan developed and published in e-format English language
D6.2	Project Manual	6	TalTech	/R — Document,	PU		Project manual developed and published in e-format English language

Estimated budget — Resources *(n/a for prefixed Lump Sum Grants)*

Participant	Costs													
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties		E. Indirect costs	Total costs
TalTech	2 person months	7680 EUR	6500 EUR	1 travels	1 persons travelling	295 EUR	685 EUR	510 EUR					1097 EUR	16767 EUR
KULeuven	2 person months	13000 EUR											910 EUR	13910 EUR
PWR	2 person months	2920 EUR		1 travels	1 persons travelling	230 EUR	685 EUR	510 EUR					304 EUR	4649 EUR
IFNUL	1 person months	1300 EUR		1 travels	1 persons travelling	230 EUR	685 EUR	510 EUR					191 EUR	2916 EUR
KNU	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR

KKNU	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR
KhNU	1 person months	1300 EUR		1 travels	1 persons travelling	230 EUR	685 EUR	510 EUR					191 EUR	2916 EUR
ONPU	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR
IHE NAESU	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR
KSU	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR
NAQA	1 person months	1300 EUR		1 travels	1 persons travelling	343 EUR	685 EUR	510 EUR					199 EUR	3037 EUR
Total	14 person months	34000 EUR	6500 EUR	1 travels	10 persons travelling	3043 EUR	6850 EUR	5100 EUR					3887 EUR	59380 EUR

For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see [Portal Reference Documents](#)).

Work Package 7

Work Package 1: [Dissemination]			
Duration:	01.23 – 12.25	Lead Beneficiary:	Ivan Franko National University of Lviv
Objectives			
<i>List the specific objectives to which this work package is linked.</i>			
<ul style="list-style-type: none"> ✓ Facilitate students' mobility, including in virtual mode, on a university/country scale, inter-university/country levels, between academic sectors and forms of education (formal/informal/correspondence) by acknowledging and swapping grades/credits. 			

- ✓ Provide the labour market with highly-qualified specialists endowed with competences aligned with high standards of the EU quality and employers' current demands; create the continuous learning culture.

Activities (what, how, where) and division of work

Provide a concise overview of the work (planned tasks). Be specific and give a short name and number for each task.

*Show who is participating in each task: Coordinator (COO), and if applicable Beneficiaries (BEN), Affiliated Entities (AE), Associated Partners (AP) and others, indicating **in bold** the task leader.*

Add information on other participants' involvement in the project e.g. subcontractors, in-kind contributions.

Note:

In-kind contributions: In-kind contributions for free are cost-neutral, i.e. cannot be declared as cost. Please indicate the in-kind contributions that are provided in the context of this work package.

The coordinator remains fully responsible for the coordination tasks, even if they are delegated to someone else. Coordinator tasks cannot be subcontracted. If there is subcontracting, please also complete the table below.

Task No (continuous numbering linked to WP)	Task Name	Description	Participants		In-kind Contributions and Subcontracting (Yes/No and which)
			Name	Role (COO, BEN, AE, AP, OTHER)	
T7.1	Information/promotional materials	- Development a project logo. - Posters allocated in the premises, where equipment/software is installed and where teaching activities take place (Partner Countries universities) - Project leaflets issues - Pritning of advertizing products -Distribution of promotional materials including TV and radio advertising.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T7.2	Project Web Portal and social media	-Design of Web Portal platform and regular updating portal information (all partners) -Project participants will regular update their portals with actual information; - Regular publications about the project and conducted studies and questionnaires at partners' websites.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU	COO BEN BEN BEN BEN BEN BEN BEN BEN	

		<ul style="list-style-type: none"> - User groups will be created at social networks in LinkedIn, Facebook, etc. (all partners). - Project deliverable's materials publishing in YouTube. - Advertising in social media about selection for students training in EU by PC universities. - UA partners will send direct mails to the schools aiming to invite to "open doors" events, stakeholders' seminars and conferences. - Project e-Newsletter, with all information about the reached results of the project and advertising about future plans and activities; - Publications and press realizes in mass media, TV, radio broadcasts and joint Newsletter of the Project. 	<p>KSU NAQA</p>	<p>BEN BEN</p>	
T 7.3.	Dissemination and Exploitation Plan development	<p>The responsible University develops a template for the Dissemination and Exploitation Plan. This template is considered and discussed by the representatives of the Project Management Board, a decision is made to accept the template. The Project Coordinator approves the template. Further, Dissemination and Exploitation Plan is filled in by all project participants. As the project progresses, the plan is expanded and supplemented (plan-actual indicators)</p>	<p>TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA</p>	<p>COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN</p>	
T 7.4	Universities' preparing 2 electronic books «Manuals on competence-related personalized education», «Opportunities of open educational platforms for students and teacher» guided by the National Agency for Higher Education Quality Assurance	<p>The project participants jointly develop methodological recommendations in the format of electronic books on the application of the methodology of personalized learning and the adaptation of standard educational and methodological support of disciplines to the application of this approach.</p>	<p>TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA</p>	<p>COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN</p>	

T 7.5	Scientific publications on digital learning , personalized learning and lifelong learning issues and project results	The project participants jointly develop methodological recommendations in the format of electronic books on the application of the methodology of personalized learning and the adaptation of standard educational and methodological support of disciplines to the application of this approach	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	
T 7.6	Organization of the final conference on digital learning, personalized learning and lifelong learning issues	Organization of Final conference for project outputs evaluation and promotion for stakeholders (students, education authorities and the industry representatives)	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA “UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY” “Fundatsiya maybutnyogo” Employers, Academicals	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN AP AP OTHERS	
T 7.7.	Hosting and maintenance of Web Portal and SMART platform beyond the project	Agreements between HEIs responsible for hosting and maintenance of SMART-platforms and the other partners beyond the project. Planning of the budget for hosting and maintenance of SMART platform and Web Portal beyond the project.	TalTech KULeuven PWR IFNUL KNU KKNU KhNU ONPU IHE NAESU KSU NAQA	COO BEN BEN BEN BEN BEN BEN BEN BEN BEN BEN	

<p>Milestones and deliverables (outputs/outcomes) Milestones are control points in the project that help to chart progress. Use them only for major outputs in complicated projects. Otherwise leave the section on milestones empty. Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators. Deliverables are project outputs which are submitted to show project progress (any format). Refer only to major outputs. Do not include minor sub-items, internal working papers, meeting minutes, etc. It is recommended to limit the number of deliverables to max 10-15 for the entire project. You may be asked to further reduce the number during grant preparation. For deliverables such as meetings, events, seminars, trainings, workshops, webinars, conferences, etc., enter each deliverable separately and provide the following in the 'Description' field: invitation, agenda, signed presence list, target group, number of estimated participants, duration of the event, report of the event, training material package, presentations, evaluation report, feedback questionnaire. For deliverables such as manuals, toolkits, guides, reports, leaflets, brochures, training materials etc., add in the 'Description' field: format (electronic or printed), language(s), approximate number of pages and estimated number of copies of publications (if any). For each deliverable you will have to indicate a due month by when you commit to upload it in the Portal. The due month of the deliverable cannot be outside the duration of the work package and must be in line with the timeline provided below. Month 1 marks the start of the project and all deadlines should be related to this starting date. The labels used mean: Public — fully open (⚠ automatically posted online on the Project Results platforms) Sensitive — limited under the conditions of the Grant Agreement EU classified — RESTREINT-UE/EU-RESTRICTED, CONFIDENTIEL-UE/EU-CONFIDENTIAL, SECRET-UE/EU-SECRET under Decision 2015/444.</p>						
Milestone No (continuous numbering not linked to WP)	Milestone Name	Work Package No	Lead Beneficiary	Description	Due Date (month number)	Means of Verification
MS19	Dissemination and exploitation plan developed	7	TaITach	Dissemination and exploitation plan establishes requirements on spreading for the quality of the result of the project, and measures are planned to achieve them.	04.2023	Approved Quality Assurance Plan
MS20	E-books developed	7	NAQA	2 e-books devoted to a personalized approach to student learning, as well as methods for adapting standard teaching materials to the requirements of personalized learning will be developed in the project jointly by all participants.	01.2025	2 e-books published
M21	Final Conference	7	IFNUL	The final international conference dedicated to the issues of personalized learning, inclusion, the use of information technologies in education is the final point of the	11.2025	Collection of abstracts of the conference

Deliverable No (continuous numbering linked to WP)	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date (month number)	Description (including format and language)
				project. Representatives of Universities, public organizations, representatives of employers and other stakeholders are involved in this conference			
D7.1	Project logo and promotional documentation templates	7	KKNU	[DEM — Demonstrator, pilot, prototype]	PU	03.2023	Project logo jointly prepared and approved Prepared e-information brochure templates e-format English
D7.2	Set of online PR resources	7	TalTech	[DEC — Websites,	PU	03.2023	Official website of the project Official FB page of the project Project page on the official website of each project beneficiary English, Ukrainian
D7.3	Electronic book «Manuals on competence-related personalized education»	7	NAQA	[R — Document,]	PU	01.2025	E-book is developed and publishing in Ukrainian
D7.4	Joint scientific papers	7	KSU	[R — Document, report]	PU	10.2025	Each academic university of Ukraine prepares at least 1 article for publication in reputable journals
D7.5	Final conference	7	IFNUL	[R — collection of abstracts] [DEC — presentations, photos, videos	PU	11.2025	The final conference is the final event of the project. An important dissemination event, which will be attended by representatives of the project participants, associated partners and stakeholders
D7.6	Electronic book «Opportunities of	7	ONPU	[R — Document,]	PU	01.2025	Electronic book «Opportunities of open educational platforms

	open educational platforms for students and teachers»							for students and teacher» is developed and published in Ukrainian
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Estimated budget — Resources <i>(n/a for prefixed Lump Sum Grants)</i>													
Participant	Costs												
	A. Personnel		B. Subcontracting	C.1a Travel			C.1b Accommodation	C.1c Subsistence	C.2 Equipment	C.3 Other goods, works and services	D.1 Financial support to third parties	E. Indirect costs	Total costs
TalTech	2 person months	8960 EUR		1 travels	1 persons travelling	221 EUR	610 EUR	400 EUR				713 EUR	10904 EUR
KULeuven	1 person months	5000 EUR		1 travels	1 persons travelling	230 EUR	610 EUR	400 EUR				437 EUR	6677 EUR
PWR	5 person months	8640 EUR		1 travels	1 persons travelling	196 EUR	610 EUR	400 EUR				689 EUR	10535 EUR
IFNUL	4 person months	5000 EUR										350 EUR	5350 EUR
KNU	4 person months	4900 EUR		1 travels	2 persons travelling	442 EUR	1220 EUR	800 EUR				515 EUR	7877 EUR
KKNU	4 person months	4900 EUR		1 travels	2 persons travelling	442 EUR	1220 EUR	800 EUR				515 EUR	7877 EUR
KhNU	4 person months	4900 EUR		1 travels	2 persons travelling	200 EUR	1220 EUR	800 EUR				498 EUR	7618 EUR
ONPU	4 person months	4900 EUR		1 travels	2 persons travelling	418 EUR	1220 EUR	800 EUR				514 EUR	7852 EUR

IHE NAESU	4 person months	4900 EUR		1 travels	2 persons travelling	392 EUR	1220 EUR	800 EUR					512 EUR	7824 EUR
KSU	4 person months	4900 EUR		1 travels	2 persons travelling	418 EUR	1220 EUR	800 EUR					514 EUR	7852 EUR
NAQA	2 person months	2500 EUR		1 travels	1 persons travelling	196 EUR	610 EUR	400 EUR					259 EUR	3965 EUR
Total	38 person months	59500 EUR		1 travels	16 persons travelling	3155 EUR	9760 EUR	6400 EUR					5516 EUR	84331 EUR]
For certain Lump Sum Grants, see detailed budget table/calculator (annex 1 to Part B; see Portal Reference Documents).														

Events meetings and mobility

Events meetings and mobility

This table is to be completed for events meetings and mobility that have been mentioned as part of the activities in the work packages above

Give more details on the type, location, number of persons attending, etc.

Event No (continuous numbering linked to WP)	Participant	Description					Attendees
		Name	Type	Area	Location	Duration (days)	Total
E1.1	TalTech – organizer KULeuven PWR IFNUL KKNU KNU KhNU ONPU KSU IHE NAESU	Kick-off meeting	Project coordination event, off-line event (in hybrid format)	Presentation of the project plan, expected results and quality requirements 1-participant from each EU University, NAQA - offline 2 participants from each UA beneficiary – offline Others - online	Tallinn Estonia	[5]	[min 18 - offline]

	NAQA Associated partners Stakeholders							
E 1.2	TalTech – organizer KULeuven PWR IFNUL KKNU KNU KhNU ONPU KSU IHE NAESU NAQA Associated partners Stakeholders	Working meetings of Project Management Board	Project coordination meeting, monitoring on-line events Repeating event	Periodic Management meetings to resolve current issues on the project and current reporting on completed tasks	Project Board	On-line	1 x n	20
E 2.1.	KULeuven - organizer IFNUL KKNU KNU KhNU ONPU KSU IHE NAESU NAQA	Retraining of Partner Countries teachers by KuLeuven teachers «KuLeuven experience of personalized learning, methodological and technical support for its implementation»	Retraining, off-line	Presentations by KULeuven professors and teachers on the practice of personalized learning, implementation of information and communication technologies for organizing the educational process, tours of the campus and laboratory buildings. Presentations of educational projects implemented by KULeuven 3 participants from each PC beneficiary		Gent, Belgium	8	21
E 2.2.	PWR - organizer IFNUL KKNU KNU KhNU ONPU KSU IHE NAESU NAQA	Retraining of Partner Countries teachers by Wroclaw University teachers «WUST experience of personalized learning, methodological and	Retraining, off-line	Presentations by WUST professors and teachers on the practice of personalized learning, implementation of information and communication technologies for organizing the educational process, tours of the campus and laboratory		Wroclaw, Poland	8	21

		technical support for its implementation»		buildings. Presentations of educational projects implemented by WUST 3 participants from each PC beneficiary			
E 2.3	IHE NAESU - organizer TalTech KULeuven PWR IFNUL KKNU KNU KhNU ONPU KSU NAQA	Development of the framework of the training “Competency-based personalized learning and formative assessment in the system of higher education quality assurance”	Workshop, off-line	Representatives of the partner countries of the universities will develop the framework of the training”, consultations will also be organized on the practical aspects of implementing a personalized approach to learning 1 participant from each EU university 2 participants from each PC beneficiary	Kyiv, Ukraine	4	19
E 3.1.	ONPU and KhNU - organizers TalTech KULeuven PWR IFNUL KKNU KNU KSU IHE NAESU NAQA	Presentation of the SMART online platform and workshop	Workshop, hybrid format	The developers of the SMART online platform for personalized learning are presenting their software product, they are also holding a workshop during which they will demonstrate the capabilities of the platform 1 participant from each EU university, NAQA 2 participants from each PC beneficiary	Odessa, Ukraine	5	19
E 4.1.	TalTech - organizer KULeuven PWR IFNUL KKNU KNU KhNU ONPU KSU IHE NAESU	Online meeting for development of the framework for recommendations "Inclusion in the educational process of people with special educational needs"	Workshop, online format	The workshop is dedicated to the development of a general structural attention to the inclusion of students in the educational process with the expectation of pleasure and with the receipt of figurative needs in the aspect of personalized learning	Online	1	19

	NAQA Associated partners Stakeholders						
E 4.2.	IFNUL KGNU KNU KhNU ONPU KSU IHE NAESU NAQA Associated partners Stakeholders	Internal consultations (workshops) for administrative and teaching staff in a hybrid mode	Workshop, hybrid format	The purpose of the consultations is to increase the competence to work with students with fewer opportunities and special educational needs and to form a shared vision of the project results 5 admin+5 teachers from 6 UA Universities	Hybrid mode	1 X n	Min 60
E 5.1.	IFNUL KGNU KNU KhNU ONPU KSU IHE NAESU NAQA Associated partners	Retrainings for selected teachers in a hybrid mode	Retraining, hybrid format	A series of 2-day trainings for mixed groups of teachers from Partner Countries Universities, which are held in a hybrid format	Hybrid mode	2 X n	Min 60
E 5.2.	TalTech – organizer KULeuven PWR IFNUL KGNU KNU KhNU ONPU KSU IHE NAESU NAQA Associated partners	Project Management Board meeting	Reporting meeting	Report on the results of the application of personalized learning and the online platform in the conditions of universities in partner countries	Online	1	19
E 6.1.	KULeuven organizer TalTech PWR IFNUL	QAT coordination meeting	Coordination meeting	Meeting of QAT members as part of the project quality management process, Meeting objectives: reporting on quality, solving	Gent, Belgium	5	11

	KGNU KNU KhNU ONPU KSU IHE NAESU NAQA			current issues, planning further activities 1 participant from all beneficiaries			
E.7.1	TalTech KULeuven PWR IFNUL - organizer KGNU KNU KhNU ONPU KSU IHE NAESU NAQA Associated partners Stakeholders	Final Conference	Conference, off-line event (hybrid format)	International conference dedicated to issues in personalized learning formative assessment, informational technologies in education 1 participant from EU Universities, NAQA 2 participants from other beneficiaries	Lviv, Ukraine	5	Min 25

4.3 Timetable

Timetable (projects of more than 2 years)																								
<i>Fill in cells in beige to show the duration of activities. Repeat lines/columns as necessary.</i>																								
Note: Use actual, calendar years and quarters. In the timeline you should indicate the timing of each activity per WP. You may add additional columns if your project is longer than 6 years.																								
ACTIVITY	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5				YEAR 6			
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
1.1. Kick-off meeting	Beige																							
1.2. Grant Agreement and other documentation signing	Beige																							
1.3. Project Manager Board establishing	Beige																							
1.4. Following up the project progress, corrective actions.		Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige												
1.5. Current project reporting, monitoring		Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige	Beige												
1.6. Final reports												Beige												
2.1. Benchmarking of the best European practice of personalized learning	Beige																							
2.2. Retraining of Partner Countries universities staff by EU specialists «Best European practice of personalized learning, methodological and technical support for its implementation»		Beige																						
2.3. Formation of shared policy of personalized learning for participant universities, based on the recommendations of European partners			Beige																					

4.4 Subcontracting

Subcontracting <i>Give details on subcontracted project tasks (if any) and explain the reasons why (as opposed to direct implementation by the Beneficiaries/Affiliated Entities).</i> <i>Subcontracting — Subcontracting means the implementation of ‘action tasks’, i.e. specific tasks which are part of the EU grant and are described in Annex 1 of the Grant Agreement.</i> Note: <i>Subcontracting concerns the outsourcing of a part of the project to a party outside the consortium. It is not simply about purchasing goods or services. We normally expect that the participants to have sufficient operational capacity to implement the project activities themselves. Subcontracting should therefore be exceptional.</i> <i>Include only subcontracts that comply with the rules (i.e. best value for money and no conflict of interest; no subcontracting of project coordination tasks).</i>						
Work Package No	Subcontract No (continuous numbering linked to WP)	Subcontract Name (subcontracted action tasks)	Description (including task number and BEN to which it is linked)	Estimated Costs (EUR)	Justification (why is subcontracting necessary?)	Best-Value-for-Money (how do you intend to ensure it?)
WP 006	S1.1	Quality control	Annual external expert Quality Control	6500	An external independent audit of the quality of the project developments must be provided. These works cannot be performed by members of the consortium	Engaging an external quality expert will eliminate conflicts of interest and provide an independent assessment
Other issues: <i>If subcontracting for the project goes beyond 30% of the total eligible costs, give specific reasons.</i>			Insert text			

5. OTHER

5.1 Ethics

Ethics (if applicable)
<p><i>If the Call document/Programme Guide contains a section on ethics, describe ethics issues that may arise during the project implementation and the measures you intend to take to solve/avoid them.</i></p> <p><i>Describe how you will ensure gender mainstreaming and children's rights in the project activities.</i></p>
<p>This proposal complies with ethical principles (including the highest standards of research integrity — as set out, for instance, in the European Code of Conduct for Research Integrity — and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).</p> <p>The technologies, processes and products developed in the SMART-PL project are gender-independent. All SMART-PL's Partners have internal gender equality jobs creation and promotion policies, recruitment policies aligned with Directive 2002/73/EC and the continuous monitoring of gender equality aspects has been integrated into the working environment of the partner organizations. The SMART-PL consortium is committed to EU regulation on achieving gender equality across the project as stipulated in European Union Directives Com (96)67, Com (97)497, Com (98)131, and Com (98)112. There are an equitable number of female participants fulfilling key roles within the project and the consortium will foster the presence of women in the technical and management teams and decision board implemented to governing the SMART-PL project.</p>

5.2 Security

Security
Not applicable.

6. DECLARATIONS

Double funding	
Information concerning other EU grants for this project	YES/NO
<p> <i>Please note that there is a strict prohibition of double funding from the EU budget (except under EU Synergies actions).</i></p>	
<p>We confirm that to our best knowledge neither the project as a whole nor any parts of it have benefitted from any other EU grant (including EU funding managed by authorities in EU Member States or other funding bodies, e.g. Erasmus, EU Regional Funds, EU Agricultural Funds, European Investment Bank, etc). If NO, explain and provide details.</p>	YES
<p>We confirm that to our best knowledge neither the project as a whole nor any parts of it are (nor will be) submitted for any other EU grant (including EU funding managed by authorities in EU Member States or other funding bodies, e.g. Erasmus, EU Regional Funds, EU Agricultural Funds, European Investment Bank, etc). If NO, explain and provide details.</p>	YES

Financial support to third parties (if applicable)
<p><i>If your project requires a higher maximum amount per third party than the threshold amount set in the Call document/Programme Guide, justify and explain why this is necessary in order to fulfil your project's objectives.</i></p>
Insert text

ANNEXES

LIST OF ANNEXES

Standard

Detailed budget table/Calculator (annex 1 to Part B) — *mandatory for certain Lump Sum Grants (see [Portal Reference Documents](#))*

CVs (annex 2 to Part B) — *mandatory, if required in the Call document/Programme Guide*

Annual activity reports (annex 3 to Part B) — *not applicable*

List of previous projects (annex 4 to Part B) — *mandatory, if required in the Call document/Programme Guide*

Special

Other annexes — *mandatory, if required in the Call document/Programme Guide*

LIST OF PREVIOUS PROJECTS

List of previous projects					
<i>Please provide a list of your previous projects for the last 4 years.</i>					
Participant	Project Reference No and Title, Funding programme	Period (start and end date)	Role (COO, BEN, AE, OTHER)	Amount (EUR)	Website (if any)
TalTech	ERASMUS+program 573861-EPP-1-2016-1-EE- EPPKA2-CBHE-JP European Human Rights Law for Universities in Ukraine and Moldova - HRLAW	2016-2020	COO	746380	www.hrlaw.eu.org
TalTech	ERASMUS+ program 573655-EPP-1-2016-1-ES- EPPKA2-CBHE-JP Towards incoming international university communities - Welcome	2016-2020	BEN	902670	http://welcomeproject.net/
TalTech	Erasmus+ program project 573975-EPP-1-2016-1-AM- EPPKA2-CBHE-SP - E+ CBHE Towards incoming international university communities - BOOST	2016-2020	BEN	847371	https://erasmusplus.am/course/boost/
TalTech	Institutions for Knowledge Intensive Development: Economic and Regulatory Aspects in South-East Asian Transition Economies, 734712, Horizon2020	2020-2023	COO	1318500	https://taltech.ee/en/ikid
TalTech	Mediatized Discourses on Europeanization and Their Representations in Public Perceptions, 101004534, Horizon2020	2021-2024	BEN	2869506	https://mediatized.eu
TalTech	Mapping Uncertainties, Challenges and Future Opportunities of Emerging Markets: Informal Barriers, Business Environments and Future Trends in Eastern Europe, The Caucasus and Central Asia, 861034, Horizon2020	2020-2024	BEN	3984180	https://cordis.europa.eu/project/id/861034
KU Leuven	Erasmus+ Capacity Building, 58733-EPP-1-2017-1-BE- EPPKA2-CBHE-JP, RICH-Ed (Resources for Interculturality in Chinese Higher Education	2017-2021	COO		http://www.rich-ed.com/
KU Leuven	Erasmus+ Capacity Building, 597795-EPP-1-2018-1-BE- EPPKA2-CBHE-JP, MOMA	2019-2022	COO		https://momavietnam.com/
KU Leuven	Erasmus+ Capacity Building, 609939-EPP-A-2019-1-BE- EPPKA2-CBHE-JP, Boosting the role of HEIs in the industrial transformation towards the Industry 4.0	2020-2023	COO		https://hein4.net/

	paradigm in Georgia and Ukraine / HEIn4				
KU Leuven	Erasmus+ Capacity Building, 585938-EPP-1-2017-1-FR-EPPKA2-CBHE-JP, "e-Learning InnoVative Engineering Solutions" (e-LIVES)	2017–2020	BEN		https://e-lives.eu/
KU Leuven	Erasmus+ Capacity Building, 598982-EPP-1-2018-1-FI-EPPKA2-CBHE-JP, EMVITET – Empowering Vietnamese Teachers for Transformation towards Education 4.0	2019–2022	BEN		https://en.lhu.edu.vn/327/33524/LHU-joins-in-EMVITET-Project.html
KU Leuven	Erasmus+ Capacity Building, 619338-EPP-1-2020-1-AL-EPPKA2-CBHE-JP, ENGINE-ENGINEERING curricula modernisation in renewable eNergy in Albania univErsities - ENGINE	2020-2023	BEN		https://engineproject.eu/
PWR	Erasmus+ Capacity Building, 598251-EPP-1-2018-1-PL-EPPKA2-CBHE-JP FRACTION. Developing future-oriented academic curricula in Teacher Education with innovative methodologies - FRACTION	2020-2024	COO		https://fraction.pwr.edu.pl/
PWR	EU ERASMUS+ 619227-EPP-1-2020-1-UA-EPPKA2-CBHE-JP: University teachers' certification centres: innovative approach to promotion teaching excellence	2021 –2022	BEN	39799	https://projects.lnu.edu.ua/utterly/
IFNUL	UTTERLY Erasmus+ KA2 619227-EPP-1-2020-1-UA-EPPKA2-CBHE-JP-University Teachers' Certification Centres: Innovative Approach To Promotion Teaching Excellence	2020-2022	COO		https://projects.lnu.edu.ua/utterly/
IFNUL	INTERADIS Erasmus+ KA2 619451-EPP-1-2020-1-NL-EPPKA2-CBHE-JP-International Students Adaptation and Integration	2020-2023	BEN	986731	https://projects.lnu.edu.ua/interadis/
IFNUL	CRIMHUM "Modernisation of master programmes for future judges, prosecutors, investigators with respect to European standard on human rights". 598471-EPP-1-2018-1-AT-EPPKA2-CBHE-JP	2019-2023	BEN		https://crimhum.bsu.by/en/
IFNUL	LEARNOPOLIS - programs of the German Academic Exchange Service "Building a digital future together - German-Ukrainian cooperation in higher	2019–2021			https://learnopolis.net/

	education with the financial support of the Federal Ministry of Education and Science of Germany.				
IFNUL	QUAERE (QUALITY ASSURANCE SYSTEM IN UKRAINE: DEVELOPMENT ON THE BASE OF ENQA STANDARDS AND GUIDELINES) 562013-EPP-1-2015- 1-PPKA2-CBHE-SP	2015-2018	BEN		https://projects.lnu.edu.ua/quaere/
IFNUL	ITE-VET (IMPROVING TEACHER EDUCATION FOR APPLIED LEARNING IN THE FIELD OF VOCATIONAL EDUCATION) 574124-EPP-1-2016-1-DE-EPPKA2-CBHE-JP	2016-2018	BEN		https://international.lnu.edu.ua/european-programmes-and-projects/erasmus/key-action-2/ongoing-projects/?fbclid=IwAR1ZUVsосуSFb5554iqnwJk1leznCHE2y3rd9soJ4sgXO0IEtr36wEqKZU
IFNUL	DESTIN Journalism Education for Democracy in Ukraine: Developing Standards, Integrity and Professionalism 598964-EPP-1-2018-1-UK-EPPKA2-CBHE-JP-	2018-2021	BEN		https://www.destin-project.info/
IFNUL	BBSR Rethinking Regional Studies: The Baltic-Black Sea Connection. 586281-EPP-1-2017-1-EE-EPPKA2-CBHE-JP-	2017-2021	BEN		https://bbsr.at.ua/
IFNUL	"United for the Planet " EVZ Foundation MEETUP!	2021	COO	13500	
KNU - Kryvyi Rih National University	EU ERASMUS+ 619227-EPP-1-2020-1-UA-EPPKA2-CBHE-JP: University teachers' certification centres: innovative approach to promotion teaching excellence	2021 –2022	BEN	63 611	https://projects.lnu.edu.ua/utterly/
KNU - Kryvyi Rih National University	EU ERASMUS+ 609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP: Development of practically-oriented student-centred education in the field of modelling of Cyber-Physical Systems - CybPhys	2019 –2022	BEN	89 301	https://cybphys.rtu.lv/
KKNU	Initiating the Course of the EU Law, 553472-EPP-1-2014-1-UA-EPPJMO-MODULE	2014-2017	COO	30 000	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/553472-EPP-1-2014-1-UA-EPPJMO-MODULE
KKNU	Crisis, Conflict and Critical Diplomacy: The EU Perceptions in Ukraine and Israel/Palestine. Coordinated by UNIVERSITY OF CANTERBURY (New	2015-2018	COO	222 930	https://jeanmonnet.nz/c3eu/

	Zealand), 565374EPP-1-2015-1-UA-EPPJMO-Network				
KKNU	History of the United Europe: Ideas, Projects and Integration, 574727-EPP-1-2016-1-UA-EPPJMO-MODULE	2016-2019	COO	29 232	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/574727-EPP-1-2016-1-UA-EPPJMO-MODULE
KKNU	Instruments of the EU Environmental Policy, 587868-EPP-1-2017-1-UA-EPPJMO-MODULE	2017-2020	COO	29 988	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/587868-EPP-1-2017-1-UA-EPPJMO-MODULE
KKNU	The Foreign Policy of the European Union, 600222-EPP-1-2018-1-UA-EPPJMO-MODULE	2018-2021	COO	30 000	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/600222-EPP-1-2018-1-UA-EPPJMO-MODULE
KKNU	Infrastructure that have united Europe: Insights into the History, Recent Developments and Outlook for Capacities, 611665-EPP-1-2019-1-UA-EPPJMO-MODULE	2019-2022	COO	28 728	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/611665-EPP-1-2019-1-UA-EPPJMO-MODULE
KKNU	European Standards of Local Self-Government and EU Regional Policy, 611631-EPP-1-2019-1-UA-EPPJMO-MODULE	2019-2022	COO	30 000	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/611631-EPP-1-2019-1-UA-EPPJMO-MODULE
KKNU	European Integration of Ukraine in Industry 4.0, 611674-EPP-1-2019-1-UA-EPPJMO-MODULE	2019-2022	COO	28 728	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/611674-EPP-1-2019-1-UA-EPPJMO-MODULE
KKNU	Criminal policy of the European Union, 611432-EPP-1-2019-1-UA-EPPJMO-MODULE	2019-2022	COO	30 000	https://erasmusplus.org.ua/projects/zhan-mone/2606-kryminalna-polityka-yevropeiskoho-soiuzu.html
KKNU	Foreing Language Teacher Training Capacity Development as a Way to Ukraine's Multilingual Education and European Integration, 610427-EPP-1-2019-1-EE-EPPKA2-CBHE-JP, ERASMUS+ KA2	2019-2022	BEN	900 099	https://erasmusplus.org.ua/en/projects/ka2/2592-foreign-language-teacher-training-capacity-development-as-a-way-to-ukraine-s-multilingual-education-and-european-integration.html
KKNU	Instruments of the EU Environmental Policy, 587868-	2017-2020	BEN	29 988	https://erasmusplus.org.ua/projects/zhan-mone/1895-

	EPP-1-2017-1-UA-EPPJMO-MODULE				instrumenty-ekologichnoi-polityky-yes.html
KKNU	Mediation: training and society transformation/MEDIATS (599010-EPP-1-2018-1-NL-EPPKA2-CBHE-JP), ERASMUS+ KA2	2018-2021	BEN	848 524	https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/599010-EPP-1-2018-1-NL-EPPKA2-CBHE-JP
KKNU	Integrating Dual Higher Education In Moldova And Ukraine (617490-EPP-1-2020-1-MD-EPPKA2-CBHE-SP), ERASMUS+ KA2	2021-2024	BEN	967 200	
KKNU	International Students Adaptation and Integration (619451-EPP-1-2020-1-NL-EPPKA2-CBHE-JP), ERASMUS+ KA2	2020-2023	BEN	986 731	
KKNU	Academic Response to Hybrid Threats / WARN 610133-EPP-1-2019-1-FI-EPPKA2-CBHE-JP (2019-2023/001-001), ERASMUS+ KA2	2019-2022	BEN	721 065	https://www.univer.kharkov.ua/en/intrelations/universitet-v-mizhn-proektah/academic-response-to-hybrid-threats-warn
KKNU	EU Constitutional Law (№101047498 Jean Monnet Module)	2021-2024	COO	30 000	
KKNU	Fostering the Urban Food System Transformation through Innovative Living Labs Implementation - FUSILLI (Horizon 2020 - №101000717 - FUSILLI)	2021-2024	BEN	12 160 305,63	https://fusilli-project.eu/
Khmelnyskyi National University	573861-EPP-1-2016-1-EE-EPPKA2-CBHE-JP ERASMUS+ HRLAW European Human Rights Law for Universities of Ukraine and Moldova	2016-2020	BEN	54445	https://hrlaw.eu.org/http://ki.khnu.km.ua/erasmus-hrlaw/
ONPU	Ref No – 2SOFT/1.1/115 CBC Programme “Romania – Ukraine 2014-2020» «Educational University Romanian-Ukrainian Cross-Border Cooperation - UNIV.E.R-U»	2019-2022	BEN	163198	http://univer-u.org/en/
ONPU	Ref No – SBS 1088 JOP Black Sea Basin 2014-2020 «Establishment of Learning Network for the consolidation effort of joint environmental control and monitoring in the Black sea Basin 2» (LeNetEco2)	2020-2022	BEN	146390	https://keep.eu/projects/24601/Establishment-of-Learning-N-EN/
ONPU	Ref No – 561728-EPP-1-2015-1-ES-EPPKA2-CBHE-JP Erasmus + University-enterprises cooperation in game industry in Ukraine/GameHub	2015-2018	BEN	81193	https://erasmusplus.org.ua/projects/ka2/2240-spivrobotnytstvo-mizh-universytetamy-ta-pidpriemstvamy-

					v-sferi-hralnoi-industrii-v-ukraini.html
ONPU	Ref No – 573818-EPP-1-2016-1-UK-EPPKA2-CBHE-JP Erasmus + Internet of Things: Emerging Curriculum for Industry and Human Applications	2016-2019	BEN	61725	https://erasmusplus.org.ua/en/projects/ka2/2217-internet-of-things-emerging-curriculum-for-industry-and-human-applications.html
IHE NAESU	Project: “Structuring Cooperation in Doctoral Research, Transferrable Skills Training and Academic Writing Instruction in Ukraine`s regions” (DocHub)	2016-2019	BEN		dochub.com.ua
IHE NAESU	Erasmus+ Programme Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility	2014-2021	BEN		
IHE NAESU	Implementation of Education Quality Assurance System via Cooperation of University-Business-Government in HEIs (EDUQAS) 586109-EPP-1-2017-1-RO-EPPKA2-CBHE-SP (2017-2895/001-001)	2017-2021	BEN		http://web.elth.ucv.ro/edugas/
IHE NAESU	«Reinventing displaced universities: enhancing competitiveness, serving communities» (REDU) № 2020/415-429	2020-2023	COO, BEN		https://ihed.org.ua/internationalization/redu/
IHE NAESU	“Teachers’ Certification Centres: Innovative Approach to Promotion Teaching Excellence” (UTTERLY)	2020-2023	BEN, PARTNER		https://projects.lnu.edu.ua/utterly/en/
KSU	Establishing Modern Master-level Studies in Information Systems. 561592-EPP-1-2015-1- FR-EPPKA2-CBHE-JP	2015-2019	BEN	356806	https://mastis.pro
KSU	2020-1-AT01-KA107-077919; Erasmus + KA107 between Kherson State University and Alpen-Adria University in Klagenfurt (Republic of Austria)	2021-2023	BEN		
KSU	Erasmus + KA107 between Kherson State University and The University of Bamberg (Federal Republic of Germany)	2018-2020	BEN		
KSU	Erasmus + KA107 between Kherson State University and the Adam Mickiewicz University in Poznań (Republic of Poland)	2016-2020	BEN		
NAQA	ERASMUS+ PROGRAMME 586109-EPP-1-2017-1-RO-EPPKA2-CBHE-SP (2017-2895/001-001) Implementation of Education Quality Assurance System via Cooperation of University-	2017-2021	BEN		https://en.naga.gov.ua/?page_id=1500

	Business-Government in HEIs - EDUQAS				
NAQA	Erasmus+ Project Reference: 618940-EPP-1-2020-1-UA-EPPKA2-CBHE-JP, «Open Practices, Transparency and Integrity for Modern Academia» - OPTIMA	2021-2024	BEN		https://lpnu.ua/optima
NAQA	The Academic Integrity and Quality Initiative (Academic IQ) project is implemented by the American Councils for International Education in collaboration with the Ministry of Education and Science of Ukraine and the NAQA with the support of the US Embassy in Ukraine.	01.09.2020 - 30.07.2022.	BEN		http://academiq.org.ua/
NAQA	Promoting Rule of Law and Human Rights Approaches in Higher Education — OSCE Project Coordinator in Ukraine, at the request of the National Agency for Higher Education Quality Assurance and the Ministry of Education and Science of Ukraine.	January – December 2020	BEN		https://en.naqa.gov.ua/?page_id=1569
NAQA	Improving human rights-based approaches in higher education — OSCE Project Coordinator in Ukraine, at the request of the National Agency for Higher Education Quality Assurance and the Ministry of Education and Science of Ukraine. .	January – December 2021	BEN		https://en.naqa.gov.ua/?page_id=1569

HISTORY OF CHANGES		
VERSION	PUBLICATION DATE	CHANGE
1.0	25.02.2021	Initial version (new MFF).
2.0.	17.11.2022	Pages 6 – List of deliverables: The responsible institutions for the deliverables in relation to military action in Ukraine have been clarified. In particular, the responsible authorities for WP4 4 and WP7 7 (V. N. Karazin Kharkiv National University / KGNU and Ivan Franko National University of Lviv / IFNUL) have been mutually amended. Reason: organisation of the equipment procurement process in the context of the military hostilities in Ukraine can be more safely implemented in the western region of Ukraine (IFNUL).
3.0	18.11.2022	Description of the action (Part B) copied from the Grant application.
4.0.	23.11.2022	Justification of spending 6500 eur to external audit of quality of the project developments is updated (pages 54, 126).

Call: [ERASMUS-EDU-2022-CBHE] — [Capacity Building in the field of Higher Education- Strand 2]



Associated with document Ref. Ares(2022)8209096 - 28/11/2022

EU Grants: Application form (ERASMUS BB and LS Type II): V1.0 – 25.02.2021

Proposal Info			
Proposal ID	Call for Proposal	Topic	Type of Action
SEP-210837010	ERASMUS-EDU-2022-CBHE	ERASMUS-EDU-2022-CBHE-STRAND-2	ERASMUS-LS

Objectives

- Improve the quality of higher education in third countries not associated to the Erasmus+ programme and enhance its relevance for the labour market and society
- Improve the level of competences, skills and employability potential of students in HEIs in the third countries not associated to the Erasmus+ programme by developing new and innovative education programmes
- Promote inclusive education, equality, equity, non-discrimination and the promotion of civic-competences in higher education in the third countries not associated to the Erasmus+ programme
- Enhance the teaching, assessment mechanisms for HEI staff and students, quality assurance, management, governance, inclusion, innovation, knowledge base, digital and entrepreneurial capacities, as well the internationalisation of HEIs in the third countries not associated to the Erasmus+ programme
- Increase the capacities of HEI, bodies in charge of higher education and competent authorities of third countries not associated to the Erasmus+ programme to modernise their higher education systems, particularly in terms of governance and financing, by supporting the definition, implementation and monitoring of reform processes
- Improve the training of teachers and continuous professional development in order to impact the longer term quality of the education system in the third countries not associated to the Erasmus+ programme
- Stimulate cooperation of institutions, capacity building and exchange of good practice
- Foster cooperation across different regions of the world through joint initiatives

MISSING

Region 2 - Neighbourhood East

Support the comprehensive, effective, inclusive and gender-sensitive uptake of digital skills through education and science programmes, thereby bridging the digital gap

Regions involved in the project

Define the type of the project :

- National project
- Multi-country project

Project implementation

Number of higher education institutions (universities) located in remote regions/area 5

Number of newcomer/less experienced coordinating higher education institutions (universities) to the CBHE action

not yet involved in CBHE projects 5

Coordinating HEI - involved in 1 to 3 CBHE projects 4

Coordinating HEI - involved in 4 or more CBHE projects 1

Number of newcomer/less experienced partner higher education institutions (universities) to the CBHE action

not yet involved in CBHE projects 0

Partner HEI - involved in 1 to 3 CBHE projects 6

Partner HEI - involved in 4 or more CBHE projects 4

People with fewer opportunities

Is your project addressing people with fewer opportunities?


- Yes
- No

- People with disabilities
- People with health problems
- People suffering from social and economic barriers
- People suffering from discrimination because of gender, age, ethnicity, culture, religion, beliefs, sexual orientation
- People facing geographical barriers
- Refugees, migrants and internally displaced people

Number of students/staff/other target groups with fewer opportunities to be involved in the project 50

Target groups from the third country(ies) not associated to the Erasmus+ programme involved in the project

Number of students following the courses/study programmes (at Bachelor, Master, PhD level) 800

Number of students to be trained/involved in the mobility (studying) 0  Associated with document Ref. Ares(2022)8209096 - 28/11/2022

Number of students/staff females to be involved in the project 450

Number of students/staff with practical placements 10

Number of academic staff to be trained 140

Number of university administrative staff to be trained 30

Number of staff from Ministries and other public authorities to be trained 6

Number of people to be trained that are not enrolled in HEIs 10

Higher Education Institutions (HEI) - Cooperation agreement(s)

Is the project going to establish any cooperation agreement(s) with relevant stakeholders?

Yes No

- HEIs not involved in the project
- Associations, civil society organisations and NGOs
- Public organisations
- Local authorities in the third countries not associated to the Erasmus+ programme
- Private sector
- Social enterprises
- Research institutions
- Others

Higher Education Institutions (HEI) - Courses/Study programmes/Placements/Structures

Number of new courses 0

Number of new study programmes 0

- New joint study programmes
- New interdisciplinary study programmes

Number of updated courses 60

Number of updated study programmes 0

- Updated joint study programmes
- Updated interdisciplinary study programmes

Number of study programmes with practical placements 2

Number of new or modernised structures/units/centres/hubs to be created 6

Number of new or modernised labs 6

Impact at the Higher Education sector

Does the proposal intend to impact the Higher Education (HE) sector in the participating third countries not associated to the Erasmus+ programme?

Yes No

- New national policies or legislative framework in HE
- New regional policies or legislative framework in HE
- Contribution to the creation of a regional HE area (facilitate national and cross-border recognition, support mobility of teachers, learners and workers)
- Include the active participation of students in governance and reform of the HE system
- Strengthen the links between education, research and innovation
- Contribute to the reform of higher education policies that respond to societal and labour market needs
- Develop schemes that facilitate the employability of graduates

Other sources of funding

Does the proposal complement other local/national/international sources of funding?

Yes No

ANNEX 2**ESTIMATED BUDGET (LUMP SUM BREAKDOWN) FOR THE ACTION**

Estimated EU contribution								
Estimated eligible lump sum contributions (per work package)								Maximum grant amount ¹
WP1 Project Management	WP2 Development of methodological support for a model of personalized learning	WP3 Development of the information-diagnostic online SMART platform based on the adaptation of an open-source virtual learning environment	WP4 Organization of University Co-working Centres «Learning with No Limits» at the each partner university	WP5 Practical approbation of the model of personalized learning and intellectual tutoring	WP6 Quality Assurance	WP7 Dissemination		
Forms of funding	Lump sum contribution	Lump sum contribution	Lump sum contribution	Lump sum contribution	Lump sum contribution	Lump sum contribution	Lump sum contribution	
	a	b	c	d	e	f	g	h = a + b + c + d + e + f + g
1 - TalTech	16 024.00	12 943.00	9 823.00	8 628.00	8 628.00	15 090.00	9 814.00	80 950.00
2 - KU Leuven	15 629.00	7 704.00	9 007.00	7 704.00	7 704.00	12 519.00	6 010.00	66 277.00
3 - PWR	7 565.00	6 501.00	4 566.00	3 380.00	6 760.00	4 184.00	9 482.00	42 438.00
4 - IFNUL	5 886.00	18 401.00	4 449.00	24 845.00	8 185.00	2 624.00	4 816.00	69 206.00
5 - KRNU	5 903.00	19 079.00	4 449.00	24 845.00	8 185.00	2 733.00	7 090.00	72 284.00
6 - KGNU	5 903.00	19 079.00	4 449.00	26 097.00	8 185.00	2 733.00	7 090.00	73 536.00
7 - KHNU	5 886.00	18 817.00	12 056.00	24 845.00	8 185.00	2 624.00	6 858.00	79 271.00
8 - ONPU	5 903.00	18 817.00	2 311.00	24 845.00	8 185.00	2 733.00	7 066.00	69 860.00
9 - IHE OF NAESU	5 886.00	14 514.00	4 545.00	1 252.00	3 659.00	2 733.00	7 041.00	39 630.00
10 - KSU	5 903.00	18 817.00	4 449.00	24 845.00	8 186.00	2 733.00	7 067.00	72 000.00
11 - NAHEQA	2 943.00	1 252.00	1 069.00	0.00	1 252.00	2 733.00	3 569.00	12 818.00
12 - UKRSEITSOC								
13 - FFUTURE								
Σ consortium	83 431.00	155 924.00	61 173.00	171 286.00	77 114.00	53 439.00	75 903.00	678 270.00

¹ The 'maximum grant amount' is the maximum grant amount fixed in the grant agreement (on the basis of the sum of the beneficiaries' lump sum shares for the work packages).

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

KATHOLIEKE UNIVERSITEIT LEUVEN (KU Leuven), PIC 999991334, established in OUDE MARKT 13, LEUVEN 3000, Belgium,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

and mandates

the coordinator to submit and sign in its name and on its behalf any **amendments** to the Agreement, in accordance with Article 39.

By signing this accession form, the beneficiary accepts the grant and agrees to implement it in accordance with the Agreement, with all the obligations and terms and conditions it sets out.

SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

POLITECHNIKA WROCLAWSKA (PWR), PIC 999845931, established in WYBRZEZE WYSPIANSKIEGO 27, WROCLAW 50-370, Poland,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

IVAN FRANKO NATIONAL UNIVERSITY OF LVIV (IFNUL), PIC 967410489, established in
UNIVERSYTETSKA 1, LVIV 79000, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

KRYVORIZKYJ NATIONALNYJ UNIVERSYTET (KRNU), PIC 967020452, established in XXII PARTZJ'IZDU STR 11, KRYVYI RIH 50027, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

V. N. Karazin Kharkiv National University (KKNU), PIC 986260984, established in Svobody sq. 4, Kharkiv 61077, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

KHMELNITSKY NATIONAL UNIVERSITY (KHNU), PIC 964860456, established in INSTYTUTSKA STREET 11, KHMELNYTSKY 29016, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

ODESSA NATIONAL POLYTECHNIC UNIVERSITY (ONPU), PIC 984284027, established in SHEVCHENKO AVE 1, ODESSA 65044, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

INSTITUTE OF HIGHER EDUCATION OF THE NATIONAL ACADEMY OF EDUCATIONAL SCIENCES OF UKRAINE (IHE OF NAESU), PIC 937417507, established in 9 BASTIONNA STR, KYIV 01014, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

and mandates

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

KHERSON STATE UNIVERSITY (KSU), PIC 933283658, established in 40 RICHCHIA ZHOVTNIA STR 27, KHERSON 73000, Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

and mandates

the coordinator to submit and sign in its name and on its behalf any **amendments** to the Agreement, in accordance with Article 39.

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SIGNATURE

For the beneficiary

ANNEX 3

ACCESSION FORM FOR BENEFICIARIES

NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE (NAHEQA),
PIC 914340916, established in 5 VOLODYMYR VYNNYCHENKO STREET, KYIV 02222,
Ukraine,

hereby agrees

to become beneficiary

in Agreement No 101082928 — SMART-PL ('the Agreement')

between TALLINNA TEHNIKAÜLIKOOL (TalTech) and the European Education and Culture Executive Agency (EACEA) ('EU executive agency' or 'granting authority'), under the powers delegated by the European Commission ('European Commission'),

and mandates

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SIGNATURE

For the beneficiary

FINANCIAL STATEMENT FOR THE ACTION FOR REPORTING PERIOD [NUMBER]

EU contribution												
Eligible lump sum contributions (per work package)												Requested EU contribution
WP1 [name]	WP2 [name]	WP3 [name]	WP4 [name]	WP5 [name]	WP6 [name]	WP7 [name]	WP8 [name]	WP9 [name]	WP10 [name]	WP [XX]		
[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	[Lump sum contribution// Financing not linked to costs]	
Forms of funding												
Status of completion	COMPLETED	COMPLETED	COMPLETED	COMPLETED	COMPLETED	COMPLETED	COMPLETED	PARTIALLY COMPLETED	PARTIALLY COMPLETED	COMPLETED	NOT COMPLETED	
	a	b	c	d	e	f	g	h	i	j	k	$l = a + b + c + d + e + f + g + h + i + j + k$
1 – [short name beneficiary]												
1.1 – [short name affiliated entity]												
2 – [short name beneficiary]												
2.1 – [short name affiliated entity]												
X – [short name associated partner]												
Total consortium												

The consortium hereby confirms that:
 The information provided is complete, reliable and true.
 The lump sum contributions declared are eligible (in particular, the work packages have been completed and the work has been properly implemented and/or the results were achieved; see Article 6).
 The proper implementation of the action/achievement of the results can be substantiated by adequate records and supporting documentation that will be produced upon request or in the context of checks, reviews, audits and investigations (see Articles 19, 21 and 25).

ANNEX 5

SPECIFIC RULES

INTELLECTUAL PROPERTY RIGHTS (IPR) — BACKGROUND AND RESULTS — ACCESS RIGHTS AND RIGHTS OF USE (— ARTICLE 16)

Rights of use of the granting authority on results for information, communication, publicity and dissemination purposes

The granting authority also has the right to exploit non-sensitive results of the action for information, communication, dissemination and publicity purposes, using any of the following modes:

- **use for its own purposes** (in particular, making them available to persons working for the granting authority or any other EU service (including institutions, bodies, offices, agencies, etc.) or EU Member State institution or body; copying or reproducing them in whole or in part, in unlimited numbers; and communication through press information services)
- **distribution to the public** in hard copies, in electronic or digital format, on the internet including social networks, as a downloadable or non-downloadable file
- **editing** or **redrafting** (including shortening, summarising, changing, correcting, cutting, inserting elements (e.g. meta-data, legends or other graphic, visual, audio or text elements extracting parts (e.g. audio or video files), dividing into parts or use in a compilation
- **translation** (including inserting subtitles/dubbing) in all official languages of EU
- **storage** in paper, electronic or other form
- **archiving** in line with applicable document-management rules
- the right to authorise **third parties** to act on its behalf or sub-license to third parties, including if there is licensed background, any of the rights or modes of exploitation set out in this provision
- **processing**, analysing, aggregating the results and **producing derivative works**
- **disseminating** the results in widely accessible databases or indexes (such as through ‘open access’ or ‘open data’ portals or similar repositories, whether free of charge or not.

The beneficiaries must ensure these rights of use for the whole duration they are protected by industrial or intellectual property rights.

If results are subject to moral rights or third party rights (including intellectual property rights or rights of natural persons on their image and voice), the beneficiaries must ensure that they

comply with their obligations under this Agreement (in particular, by obtaining the necessary licences and authorisations from the rights holders concerned).

Access rights for the granting authority, EU institutions, bodies, offices or agencies and national authorities to results for policy purposes

The beneficiaries must grant access to their results — on a royalty-free basis — to the granting authority, other EU institutions, bodies, offices or agencies, for developing, implementing and monitoring EU policies or programmes.

Such access rights are limited to non-commercial and non-competitive use.

The access rights also extend to national authorities of EU Member States or associated countries, for developing, implementing and monitoring their policies or programmes in this area. In this case, access is subject to a bilateral agreement to define specific conditions ensuring that:

- the access will be used only for the intended purpose and
- appropriate confidentiality obligations are in place.

Moreover, the requesting national authority or EU institution, body, office or agency (including the granting authority) must inform all other national authorities of such a request.

Access rights for third parties to ensure continuity and interoperability

Where the call conditions impose continuity or interoperability obligations, the beneficiaries must make the materials, documents and information and results produced in the framework of the action available to the public (freely accessible on the Internet under open licences or open source licences).

COMMUNICATION, DISSEMINATION AND VISIBILITY (— ARTICLE 17)

Additional communication and dissemination activities

The beneficiaries must engage in the following additional communication and dissemination activities:

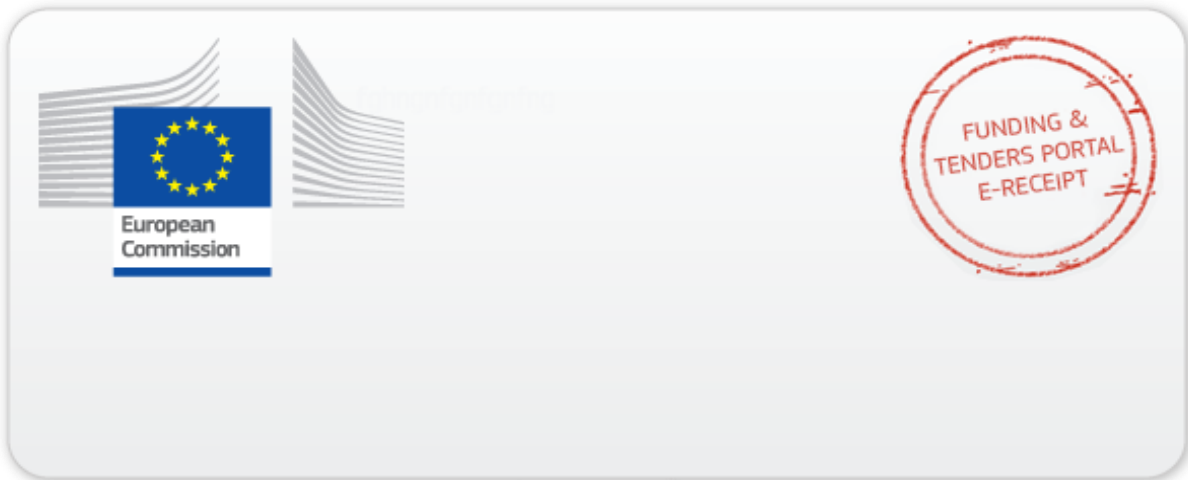
- **present the project** (including project summary, coordinator contact details, list of participants, European flag and funding statement and project results) on the beneficiaries' **websites** or **social media accounts**
- for actions involving public **events**, display signs and posters mentioning the action and the European flag and funding statement
- upload the public **project results** to the Erasmus+ Project Results platform, available through the Funding & Tenders Portal.

SPECIFIC RULES FOR CARRYING OUT THE ACTION (— ARTICLE 18)

EU restrictive measures

The beneficiaries must ensure that the EU grant does not benefit any affiliated entities, associated partners, subcontractors or recipients of financial support to third parties that are

subject to restrictive measures adopted under Article 29 of the Treaty on the European Union or Article 215 of the Treaty on the Functioning of the EU (TFEU).



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