Conceptual Framework for
Third Mission Indicator Definition

Index

1. INTRODUCTION

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The project was entitled: European Indicators and Ranking Methodology for University Third Mission.

Below you can find a conceptual framework for Third Mission Indicator Definition, processes and indicators.
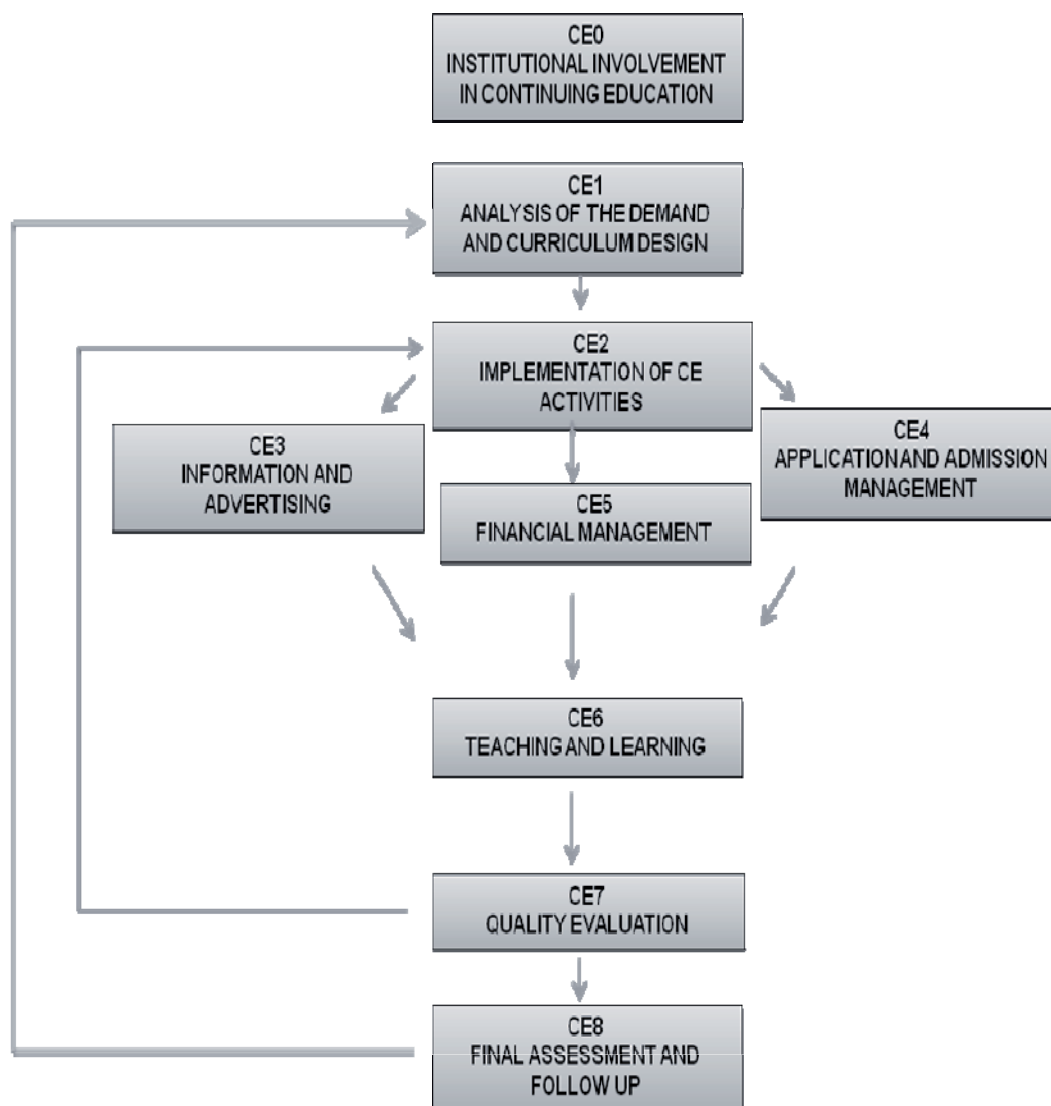

2. CONTINUING EDUCATION PROCESSES

- **Working definition of CE**

In the European framework, the term Lifelong Learning/Continuing Education refers to "all learning activity undertaken throughout life, with the aim of improving knowledge, skills and competences within a personal, civic, social and/or employment related perspective" (European Commission, 2001).

- **Definition of terms**

Term	Definition
Programme	Any CE activity in any format (classroom, non-attendance) and any structure (courses, meetings, workshops). Each programme includes: curriculum, timetable, resources assignment, etc.
Major award	Equivalent to the full course load tuition, and any related differential fees charged to a student within a given academic year. The minimum value of a major award is determined by the Undergraduate Awards and Scholarship Committee.
Public and private business	Describes a government service or private service.
ECTS	Standard for comparing the study attainment and performance of students of higher education across the European Union and other collaborating European countries. For successfully completed studies, ECTS credits are awarded. One academic year corresponds to 60 ECTS-credits that are equivalent to 1500–1800 hours of study in all countries irrespective of standard or qualification type and is used to facilitate transfer and progression throughout the Union.

- **Framework of CE processes**

CE0 INSTITUTIONAL INVOLVEMENT IN CONTINUING EDUCATION	
Owner	Higher Education Institution
Stakeholders (people involved and customers)	HEI staff ; Institutional governing boards; Students ; Society in general
Activities	Definition of the HE mission strategy and the action plan in what is referred to CE
Inputs	Needs analysis
Outputs	HE mission; HE strategy; Action plan; CE quality assurance procedure
Resources	Internal and external people involved
Indicators	CE0-i1 CE is included in the mission of the HEI CE0-i2 CE is included in the strategy of the HEI CE0-i3 Existence of an institutional action plan for CE in the HEI CE0-i4 Existence of quality assurance procedure for CE activities

CE1 ANALYSIS OF THE DEMAND AND CURRICULUM DESIGN	
Owner	Formal responsible for CE or programme
Stakeholders (people involved and customers)	People involved in market evaluation; People involved in each specific project; Potential students; Public and private business
Activities	- Analysis of the demand: a) Analysis of learning needs, competence requirements b)Analysis of requirements, conditions for adult learning/or work-based learning - Curriculum design - Design of an adult learning approach and resources: adult learning-teaching methodology/work-based learning/and possible use of ICT-based learning environment - Verification and approval of the curriculum - Identification of material needs for distance learning courses and possible ICT-based learning environment - Alignment with the institutional strategy
Inputs	Specific demands; Market information
Outputs	- Programme/activity proposals - Proposals for the design of adult teaching-learning methodology/work-based learning/and possible use of ICT-based learning environment
Resources	People involved in market evaluation; People involved in each specific project
Indicators	CE1- i1 Total number of CE programmes active in that year (for implementation) CE1- i2 Number of CE programmes delivered which have a major award under European Higher Education system CE1- i3 Number of partnership with public and private business CE programmes delivered in that year CE1- i4 Number of international CE programmes delivered in that year CE1- i5 Number of funded CE training projects delivered in that year CE1- i6 Total number of the ECTS credits of the delivered CE programmes

CE2 IMPLEMENTATION OF CE ACTIVITIES	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	People involved in each specific project; CE centre or department; Potential students; Companies
Activities	-Design of an adult learning approach and resources: adult learning – teaching methodology and possible use of ICT-based learning environment (if not included in CE1) -Design of the academic course (assignment of teachers…) -Organizational design of the course (space management, logistics, timetables…) Registration of the title/programme edition -Cooperation of external teaching staff
Inputs	Programmes/activities proposal Proposals for the design of adult teaching–learning methodology and possible use of ICT-based learning environment
Outputs	Programmes/activities offered Participants with deeper or new competence in line with the programme
Resources	People involved in each specific project; Teaching resources
Indicators	CE2- i1 Number of teaching hours registered CE2- i2 Number of contracts with external teachers for CE activities CE2- i3 Number of external teacher's hour

CE3 INFORMATION AND ADVERTISING	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	People involved in each specific project (marketing department, programme directors, administrative staff...); CE centre or department; Potential students; Companies; Media
Activities	Management of the promotion and advertising Information about contents Pre-registration/Registration
Inputs	Programmes/activities offered
Outputs	Information and advertising material and activities
Resources	People involved in each specific project; ICTs (Information and Communication Technologies)
Indicators	CE3-i1 Percentage of the total advertising budget spent on CE activities

CE4 APPLICATION AND ADMISSION MANAGEMENT	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	Prospective students; Marketing department; CE centre; Financial department; Director of studies; Programme directors; Administrative staff
Activities	Applicants advice; Application; Admission; Assessment records
Inputs	Student application form Programmes/activities offered
Outputs	Admission
Resources	Administrative staff
Indicators	CE4- i1 Number of ECTS credits enrolled

	CE4- i2 Number of registrations in CE programmes in that year CE4- i3 Percentage of CE tuition fees compared with the total HEI tuition fee budget

CE5 FINANCIAL MANAGEMENT	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	Financial department; Programme directors; Administrative staff; Teaching staff; Students
Activities	Management of expenditure (teachers, suppliers…) Management of sponsorships and grants Management of students' aid Fee management and refund procedure
Inputs	Programmes carried out
Outputs	Payments; Grants; Purchasing
Resources	Administrative staff
Indicators	CE5- i1 Percentage of CE staff cost to HEI budget CE5- i2 Revenue from congresses and workshops as a percentage of income budget in CE activities CE5- i3 Revenue funded from training projects as a percentage of CE income CE5- i4 Annual surplus generated by the CE centre

CE6 TEACHING AND LEARNING	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	Students and participants; CE centre; Financial department; Director of studies; Programme directors; Teaching staff; Administrative staff
Activities	Teaching and learning Evaluation Closure of records/Certificate requests Attendance in educational activities like class attendance or e-learning Support for teaching activities
Inputs	Students enrolled Programmes/activities offered Learning-teaching methodology/work-based learning and guidance methodology/and possible ICT-based learning environment
Outputs	Programmes carried out Participants with deeper or new competences in line with the programme/specialised in s-g
Resources	Teachers Students Learning environmental infrastructure (class rooms, e-learning platform) Human resources
Indicators	CE6- i1 Number of qualifications issued (CE1-i1; CE2-i1 & CE4-i1 are also included here)

CE7 QUALITY EVALUATION	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	Students; CE centre; Financial department; Director of studies Programme directors; Authorities (e.g. Ministry of Labour, Ministry of

	Education)
Activities	Issuing of certificates Titles Evaluation of satisfaction and quality Closure of the academic year/course Graduation/finishing degree and non degree programmes
Inputs	The overall process of the design, implementation and evaluation of the programme Student marks Student opinions
Outputs	Graduate students The programme's evaluation report (external or internal) with recommendations on updating and developing the programme further The programme and its process to be updated on the basis of evaluation and feedback Results and good practices to be disseminated
Resources	Human resources students and teachers and administrative units
Indicators	CE7- i1 Students satisfaction CE7- i2 Key stakeholders satisfaction CE7-i3 Completion rate for all programmes (in average)

CE8 FINAL ASSESSMENT AND FOLLOW UP	
Owner	Centralised: CE centre Decentralised: department
Stakeholders (people involved and customers)	Graduate students; Programme directors; Teaching staff; Administrative staff; Authorities (e.g. Ministry of Labour, Ministry of Education)
Activities	Follow-up graduates Job listing directory management Identification of upgrade seminars/ learning activities required by graduates Career and business opportunities Networking
Inputs	The overall process of the design, implementation and evaluation of a programme Information about graduates Accreditation requirements
Outputs	The programme's evaluation report (external or internal evaluation) with recommendations on updating and developing the programme further The programme to be updated on the basis of evaluation and feedback Results and good practices to be disseminated Accreditations Job listing directory Graduate survey
Resources	CE staff; ICTs (Information and Communication Technologies)
Indicators	CE8- i1 Number of CE programmes with external accreditations CE8- i2 Existence of CE student alumni club CE8- i3 Number of CE participants in that year who have previously participated in CE activities in that centre

3. CONTINUING EDUCATION INDICATORS

→ CE0: INSTITUTIONAL INVOLVEMENT IN CONTINUING EDUCATION

The process CE0 includes the following indicators:

- ✓ **CE0-i1: CE is included in the mission of the HEI**
- ✓ **CE0-i2: CE is included in the strategy of the HEI**
- ✓ **CE0-i3: Existence of an institutional action plan for CE in the HEI**
- ✓ **CE0-i4: Existence of quality assurance procedure for CE activities**

CE0-i1	CE is included in the mission of the HEI
Purpose	To measure the status of CE within the HEI as well as the commitment of the HEI towards CE
Definition	Inclusion of CE in the definition of the mission of the HEI
Interpretation	This indicator measures the extent of the HEI's institutional commitment towards CE on a long term basis
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE0-i2	CE is included in the strategy of the HEI
Purpose	To measure the status of CE within the HEI as well as the commitment of the HEI towards CE
Definition	Inclusion of CE in the strategy of the HEI
Interpretation	This indicator measures the extent of the HEI's institutional commitment towards CE on a long term basis. A strategy plan dedicated to CE with indicators reflects the fact that CE is taken into account on the HEI's administrative level and financial plans as well
Binary	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE0-i3	Existence of an institutional action plan for CE in the HEI
Purpose	To measure the practical implementation- organization, goals and measures – of CE activities in the HEI. Measures the HEI's involvement in CE in practice

Definition	Existence of an institutional action plan for CE in the HEI
Interpretation	This indicator measures the extent of the actual implementation of CE in the HEI. An action plan would reveal organizational and administrative arrangements as well as financial and intellectual resources allocated for CE
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	+

CE0-i4	Existence of quality assurance procedure for CE activities
Purpose	To measure the quality assurance effort of the institution
Definition	Existence of a set of quality assurance procedures
Interpretation	If CE activities have a quality assurance system, the importance given to CE by the institution is high, and the performance and consistency of CE activities tend to be higher
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

→ CE1: ANALYSIS OF THE DEMAND AND CURRICULUM DESIGN

The process CE1 includes the following indicators:

- ✓ **CE1-i1: Total number of CE programmes active in that year (for implementation)**
- ✓ **CE1-i2: Number of CE programmes delivered which have a major award under European Higher Education system**
- ✓ **CE1-i3: Number of partnership with public and private business CE programmes delivered in that year**
- ✓ **CE1-i4: Number of international CE programmes delivered in that year**
- ✓ **CE1-i5: Number of funded CE training projects delivered in that year**
- ✓ **CE1- i6: Total number of the ECTS credits of the delivered CE programmes**

CE1-i1	Total number of CE programmes active in that year (for implementation)
Purpose	To measure the level of activity in CE
Definition	Total number of CE programmes active in the year of reference
Interpretation	This indicator describes the overall CE activity
Measurement	Numerical

Formula (if applies)	N_CE programmes
Units (if applies)	CE programmes
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE1-i2	Number of CE programmes delivered which have a major award under European Higher Education system
Purpose	To measure the academic level of the CE activity
Definition	Total number of CE programmes delivered which have a major award under European Higher Education system
Interpretation	This indicator measures the academic level of the CE activity
Measurement	Numerical
Formula (if applies)	N_Degree programmes
Units (if applies)	CE programmes
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE1-i3	Number of partnership with public and private business CE programmes delivered in that year
Purpose	To measure the quantitative outputs and the amount of partnership in CE activity
Definition	Total number of partnership CE programmes with public and private business designed and approved for implementation with any external partner
Interpretation	This indicator assesses the activity level, having the focus on partnership programmes with public and private business
Measurement	Numerical
Formula (if applies)	N_Partnership programmes
Units (if applies)	Partnership programmes
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	-
Validity	-
Reliability	+
Feasibility	+
Comparability	-

CE1-i4	Number of international CE programmes delivered in that year
Purpose	To measure the quantitative outputs and the internationalization of CE activity

Definition	Total number of international CE programmes designed and approved for implementation
Interpretation	This indicator assesses the CE activity having the focus on programmes targeted for international markets and students
Measurement	Numerical
Formula (if applies)	N_International CE programmes
Units (if applies)	International CE programmes
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE1-i5	Number of funded CE training projects delivered in that year
Purpose	To measure the quantitative outputs and the access to external funding by CE activity
Definition	Number of funded CE training projects delivered in that year
Interpretation	This indicator assesses the effectiveness of the CE activities, having the focus on training projects which receive project funding through application or tender procedures
Measurement	Numerical
Formula (if applies)	N_funded CE training projects
Units (if applies)	Funded CE training projects
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE1-i6	Total number of the ECTS credits of the delivered CE programmes
Purpose	To measure the extent of the CE programmes active in the year of reference, via the total ECTS delivered in these programmes
Definition	Total number of the ECTS credits of the active CE programmes
Interpretation	This indicator assesses the activity having the focus on the total workload of students (ECTS credits) in CE programmes
Measurement	Numerical
Formula (if applies)	N_ECTS
Units (if applies)	ECTS
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

→ CE2: IMPLEMENTATION OF CE ACTIVITIES

The process CE2 includes the following indicators:

- ✓ **CE2-i1: Number of teaching hours registered**
- ✓ **CE2-i2: Number of contracts with external teachers for CE activities**
- ✓ **CE2-i3: Number of external teachers' hours**

CE2-i1	Number of teaching hours registered
Purpose	To measure the total quantity of teaching hours in CE programmes delivered
Definition	Total number of hours in programmes offered/implemented
Interpretation	This indicator assesses the teaching activity focusing on teaching hours in programmes offered/implemented
Measurement	Numerical
Formula (if applies)	N_teaching hours registered
Units (if applies)	Teaching hours
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	-
Validity	+
Reliability	0
Feasibility	+
Comparability	-

CE2-i2	Number of contracts with external teachers for CE activities
Purpose	To measure the extent of the use of external teaching resources
Definition	Number of contracts with external teachers
Interpretation	This indicator measures the extent of the use of external teaching resources
Measurement	Numerical
Formula (if applies)	N_contracts with external teachers
Units (if applies)	Contracts
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	0
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE2-i3	Number of external teachers' hours
Purpose	To measure the extent of the use of external teaching resources
Definition	Number of teaching hours in CE activities in a HEI delivered by external teachers
Interpretation	This indicator provides information about the degree of involvement of external teachers in CE activities carried out at a HEI
Measurement	Numerical
Formula (if applies)	N_teaching hours
Units (if applies)	Teachers' hours
Level of data collection	Institution

Type of data source	Institutional data
Time reference	Last year
Relevance	0
Validity	+
Reliability	+
Feasibility	+
Comparability	0

→ CE3: INFORMATION AND ADVERTISING

The process CE3 includes the following indicator:

✓ **CE3-i1: Percentage of the total advertising budget spent on CE activities**

CE3-i1	Percentage of the total advertising budget spent on CE activities
Purpose	To measure HEI advertising for CE activities in relation to other advertising activities
Definition	Percentage of the total advertising budget spent on CE activities
Interpretation	The percentage of the total advertising budget spent on CE activities indicates the relative importance that the HEI gives to
Measurement	Percentage
Formula (if applies)	(Advertising budget spent on CE activities) / (total HEI advertising budget) *100
Units (if applies)	Percentage
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	-
Validity	+
Reliability	0
Feasibility	0
Comparability	0

→ CE4: APPLICATION AND ADMISSION MANAGEMENT

The process CE4 includes the following indicators:

✓ **CE4-i1: Number of ECTS credits enrolled**
✓ **CE4-i2: Number of registrations in CE programmes in that year**
✓ **CE4-i3: Percentage of CE tuition fees compared with the total HEI tuition fee budget**

CE4-i1	Number of ECTS credits enrolled
Purpose	To measure the total volume of CE activities in a HEI
Definition	Total number of ECTS credits of the enrolled students
Interpretation	This indicator measures the quantity of CE activities only considering the total number of ECTS credits
Measurement	Numerical
Formula (if applies)	N_ECTS credits of the enrolled students
Units (if applies)	ECTS
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+

Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE4-i2	Number of registrations in CE programmes in that year
Purpose	To measure the total number of people registered in CE activities
Definition	Total number of registrations of students in the CE activities (not just the number of students)
Interpretation	This indicator measures the total number of people registered in CE programmes. This indicator can be interpreted together with CE4-i1 in order to describe the quantity and intensity of CE activities in a HEI
Measurement	Numerical
Formula (if applies)	N_registrations in CE programmes in that year
Units (if applies)	Registrations
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year

Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE4-i3	Percentage of CE tuition fees compared with the total HEI tuition fee budget
Purpose	To measure the relative importance of CE activities for the HEI budget coming from tuition fees
Definition	Percentage of fees in CE compared with the HEI budget coming from tuition fees
Interpretation	The percentage of the total fees from CE activities indicates the relative importance of CE for the HEI budget
Measurement	Percentage
Formula (if applies)	(Student fees from CE) / (Total HEI fees from students) * 100
Units (if applies)	Percentage
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year

Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

→ CE5: FINANCIAL MANAGEMENT

The process CE5 includes the following indicators:

- ✓ **CE5-i1: Percentage of CE staff cost to HEI budget**
- ✓ **CE5-i2: Revenue from congresses and workshops as a percentage of income budget in CE activities**
- ✓ **CE5-i3: Revenue funded from training projects as a percentage of CE income**
- ✓ **CE5-i4: Annual surplus generated by the CE centre**

CE5-i1	Percentage of CE staff cost to HEI budget
Purpose	To measure the involvement of academic staff in CE activities
Definition	Percentage of money paid for CE teaching activities compared with the HEI budget
Interpretation	This indicator measures the involvement of teachers in CE teaching activities. The amount of money dedicated to teachers salaries in CE indicates the importance of CE for the HEI
Measurement	Percentage
Formula (if applies)	(Total amount of money paid for CE teaching activities) / (Total HEI budget) *100
Units (if applies)	Percentage
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	+
Comparability	-

CE5-i2	Revenue from congresses and workshops as a percentage of income budget in CE activities
Purpose	To measure the non-degree CE activities
Definition	Percentage of income which was generated by congresses and workshops
Interpretation	CE is not only based on degree programmes. Many different types besides teaching programmes could be seen as CE activity
Measurement	Percentage
Formula (if applies)	(Incomes from congresses or workshops / total CE income) * 100
Units (if applies)	Percentage
Level of data collection	Faculty/Department/CE centre/Event management unit
Type of data source	Financial statements, controlling, annual balance sheet
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	-

CE5-i3	Revenue funded from training projects as a percentage of CE income
Purpose	To measure the non-degree CE activities, inhouse seminars, off the job training on company trainings
Definition	Percentage of income generated by training on demand of companies
Interpretation	CE is not only based on degree programmes. Many different types besides teaching programmes could be seen as CE activity
Measurement	Percentage
Formula (if applies)	(Revenue by training projects / Total CE income) *100
Units (if applies)	Percentage
Level of data collection	Faculty/Department/CE centre/training centre
Type of data source	Financial statements, controlling, annual balance sheet
Time reference	Last year
Relevance	+
Validity	+

Reliability	0
Feasibility	0
Comparability	-

CE5-i4	Annual surplus generated by the CE centre
Purpose	To measure the CE activity and fiscal importance of the CE centre
Definition	Annual surplus generated by the CE centre
Interpretation	This measure shows the fiscal value (money) creation by the CE centre. If the measures are high so the HEI has a high involvement in CE activities
Measurement	Numerical
Formula (if applies)	Total revenue of CE activities minus related costs
Units (if applies)	Euros
Level of data collection	CE centre
Type of data source	Financial statements, controlling, annual balance sheet
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

→ CE6: TEACHING AND LEARNING

The process CE6 includes the following indicator:

- ✓ **CE6-i1: Number of qualifications issued**
- ✓ **The indicators CE1-i1, CE2-i1 and CE4-i1 described above are also considered as part of this process**

CE6- i1	Number of qualifications issued
Purpose	To measure the results of the CE programmes
Definition	Number of qualifications issued
Interpretation	This indicator measures the total volume of the qualifications in CE, providing information about the results of the CE programmes
Measurement	Numerical
Formula (if applies)	N_qualifications issued
Units (if applies)	Qualifications
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

→ CE7: QUALITY EVALUATION

The process CE7 includes the following indicators:

- ✓ **CE7-i1: Students satisfaction**
- ✓ **CE7-i2: Key stakeholders satisfaction**

CE7- i1	Students satisfaction
Purpose	To measure the global students perception about the institution

Definition	Satisfaction level of students
Interpretation	As part of the objectives of the institution, the satisfaction of the students makes, for the third mission, a role as important as customer satisfaction for a manufacturing company. This satisfaction must be measured by directly asking the different students about it, using a survey methodology
Measurement	Percentage
Formula (if applies)	--
Units (if applies)	Percentage satisfaction level (0% = completely dissatisfied, 100% = completely satisfied)
Level of data collection	Institution
Type of data source	Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	0

CE7- i3	Key stakeholders satisfaction
Purpose	To measure the key stakeholders perception about the institution
Definition	Satisfaction level of key stakeholders
Interpretation	The key stakeholders satisfaction must be measured by directly asking the different students about it, using a survey methodology
Measurement	Percentage
Formula (if applies)	--
Units (if applies)	Percentage satisfaction level (0% = completely dissatisfied, 100% = completely satisfied)
Level of data collection	Institution
Type of data source	Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	0

→ CE8: FINAL ASSESSMENT AND FOLLOW UP

The process CE8 includes the following indicators:

- ✓ **CE8-i1: Completion rate for all programmes (in average)**
- ✓ **CE8-i2: Number of CE programmes with external accreditations**
- ✓ **CE8-i3: Existence of CE student alumni club**
- ✓ **CE8-I4: Number of CE participants in that year who have previously participated in CE activities in that centre**

CE8-i1	Completion rate for all programmes (in average)
Purpose	To measure the efficiency of the programmes for attendants
Definition	Average completion rate for all programmes
Interpretation	There can be many causes for attendants failing in completing a programme, and there will be always a certain non-completing rate. Among this causes, the lack of correspondence between attendant interests and programme characteristics is one of the most important. In any case, completion rate can be considered also as an evaluation of the

	interest level of the programme
Measurement	Percentage
Formula (if applies)	--
Units (if applies)	Percentage
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

CE8-i2	**Number of CE programmes with external accreditations**
Purpose	To measure the quality of the CE programmes
Definition	Number of accredited programmes by national or international agencies and official bodies
Interpretation	Accreditation needs a big effort of the HEI. If the HEI has a large number of accredited programmes so the importance of CE for the HEI must be also high
Measurement	Numerical
Formula (if applies)	N_accredited programmes with external accreditations
Units (if applies)	Accredited programmes with external accreditations
Level of data collection	Faculty/Department/CE centre
Type of data source	Survey data, programme lists, programme folder and websites
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	0

CE8-i3	**Existence of CE student alumni club**
Purpose	To identify how large is the CE "community" of the HEI
Definition	A variable representing the existence of a CE Alumni Club
Interpretation	The existence of a CE Alumni Club can be considered as an indicator of how structured are these activities in the Institution
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	0
Validity	+
Reliability	+
Feasibility	-
Comparability	-

CE8-i3	**Number of CE participants in that year who have previously participated in CE activities in that centre**
Purpose	To measure the loyalty achived in CE activities attendants
Definition	Number of CE participants in that year who have previously participated in

	CE activities in that centre. Returning attendants
Interpretation	The basic consideration is that loyalty is an important indicator of the satisfaction level of students and CE activities attendants
Measurement	Numerical
Formula (if applies)	N_returning participants in CE activities
Units (if applies)	Returning participants
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

Total number of Continuing Education indicators: 28

4. TECHNOLOGY TRANSFER & INNOVATION PROCESSES

• **Working definition**

We define technology transfer & innovation as the movement of an idea, practice, object, tacit knowledge, know-how, technical knowledge, intellectual property, discovery or invention resulting from research conducted at HEIs (in cooperation with external partners or not) into a non-academic environment where it can lead to social and commercial benefits at local, regional, national or global levels. We classify technology transfer & innovation mechanisms into two main processes: Specific and Generic TT&I mechanisms. The first process is composed of more specific mechanisms which are directly aimed at commercialising HEI knowledge and/or social innovation activities and can be measured quantitatively. The second process does not necessarily have direct impact on the industrial and commercial activities (i.e. licensing payments and royalty fees), but focuses on the importance of formal infrastructures as well as informal links among the individuals.
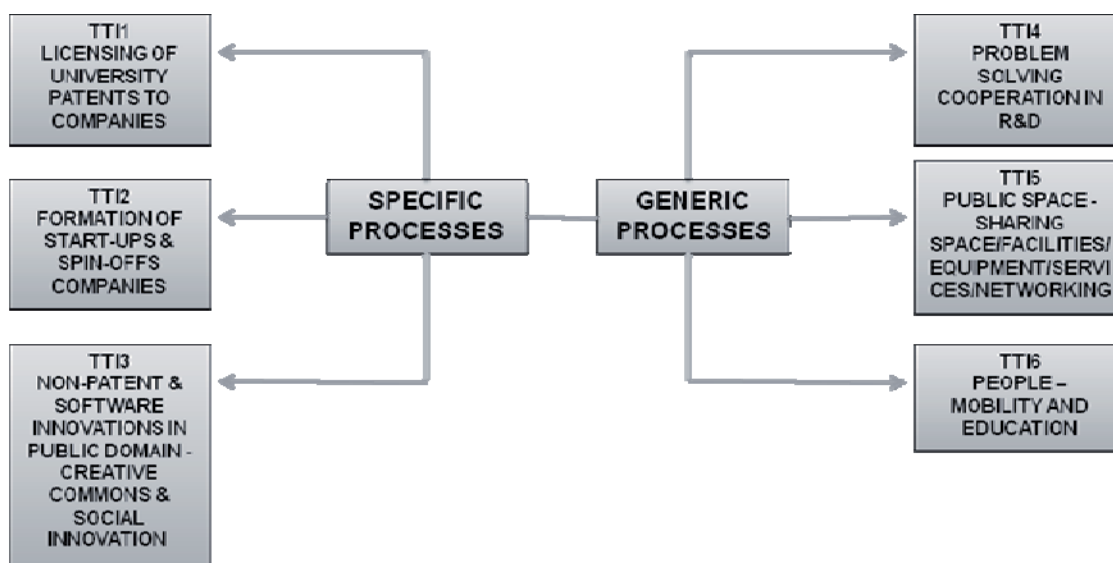
• **Definition of terms**

Term	Definition
(Social) Networks	A social network is a social structure made of nodes (which are generally individuals or organizations such as HEIs and businesses) that are tied by one or more specific types of interdependency, such as values, visions, ideas, knowledge, technology or financial exchange, or friendship.
Collaborative Research	A structured research project that involves two or more partners in addition to the Higher Education Institution, where all parties work together toward a common goal by sharing knowledge, learning and building consensus.
Contract Research	Research arising from collaborative interactions that specifically meets the research needs of the external partners.
Commercialisation	The process through which research discoveries are brought to the market place and new ideas or discoveries are developed into new products, services or technologies that are sold around the world.
Consultancy	The provision of expert advice and work which, while it may involve a degree of analysis, measurement or testing, is crucially dependent on a high degree of intellectual input from the Higher Education Institution to the client (Commercial or Non-Commercial), but without the creation of new knowledge (although new understanding is the main desired impact).
Continuing Professional Development (CPD)	The means by which members of professional associations maintain, improve and broaden their knowledge and skills and develop the personal qualities required in their professional lives, usually through a range of short and long training programmes, some of which have an option of accreditation.
Economic Development	The development of economic wealth of countries or regions for the well-being of their inhabitants. The economic development process supposes that legal and institutional adjustments are made to give incentives for innovation and for investments so as to develop an efficient production and distribution system for goods and service. Economic development is a sustainable increase in living standards that implies increased per capita income, better education and health.
Economic Impact	A process which leads to significant changes in the welfare of consumers, the profits of firms or the revenue of government. Economic impacts range from those that are readily quantifiable, in terms of greater wealth, cheaper prices and more revenue, to those less easily quantifiable, such as effects on the environment, public health and quality of life.
Equipment and Facilities Services	The use by an external party (that is not another Higher Education Institution) of the physical academic resources of the Higher Education Institution. This could range from electron microscopes to performance space. Provision of such

Full-Time Equivalent (FTE)	A method to measure a worker's involvement in a project, or a student's enrolment at an educational institution. An FTE of 1.0 means that the person is equivalent to a full-time worker; while an FTE of 0.5 signals that the worker is only half-time. Typically, different scales are used to calibrate this number, depending on the type of institution (schools, industry, research) and scope of the report (personnel cost, productivity).
Intellectual Property Rights (IPR)	Such rights protect the creator's right to be appropriately acknowledged for their work, such as an invention or a manuscript. IPR gives the creator a means of controlling how their protected work is exploited, thereby ensuring that they are properly rewarded for their creative endeavours. This includes patents, registered trademarks and copyright.
Invention Disclosure	A document that describes a discovery or a development, names the contributors to that discovery, and provides many other key pieces of information needed to determine if an invention - a discovery that can be protected under patent law - has been made.
Investment (In Spin-Outs)	An outlay of a sum of money to be used in such a way that a profit or increase in capital may be expected.
IP Protection Expenditure	Costs incurred in protecting IP, including those from patenting, external legal and other protection fees, and specialist IP consultancy advice.
Joint Venture	A contractual agreement resulting in the formation of an entity between two or more parties to undertake economic activity together. The parties agree to create a new entity by both contributing equity, and they then share in the revenues, profits or losses, expenses, and control of the enterprise.
Knowledge Transfer	The process by which the knowledge, expertise and intellectually linked assets of Higher Education Institutions are constructively applied beyond Higher Education for the wider benefit of the economy and society, through two-way engagement with business, the public sector, cultural and community partners.
License Agreement	A formal agreement that allows the transfer of technology between two parties, where the owner of the technology (licensor) permits the other party (licensee) to share the rights to use the technology, without fear of a claim of intellectual property infringement brought by the licensor.
Licensing Income	Income which includes: license issue fees, payments under options, annual minimums, running royalties, termination payments, the amount of equity received when cashed-in, and software and biological material end-user license fees equal to GBP £500 or more. Licensing Income does not include research funding, patent expense reimbursement, a valuation of equity not cashed-in, software and biological material end-user license fees less than GBP £500, or trademark licensing royalties from HEI insignia, or any income received in support of the cost to make and transfer materials under Material Transfer Agreements.
Option Agreement	An option agreement grants the potential licensee a time period during which it may evaluate the technology and negotiate the terms of a license agreement. An option agreement is not constituted by an option clause in a research agreement that grants rights to future inventions, until an actual invention has occurred which is subject to that option.
Patent	An exclusive right granted for an invention, which is a product or a process that provides, in general, a new way of doing something, or offers a new technical solution to a problem. A patent gives an inventor the right for a limited period to stop others from making, using or selling the invention without the permission of the inventor.
Patent Filed / Granted	A process by which a patent is filed with the patent office. After the patent is granted, the invention becomes the property of the inventor, which - like any from of property or business asset - can be bought, sold, rented or hired.

resources may include a degree of, for example, technician support.

Proof of concept	Evidence that demonstrates that an experimental or business model, or an idea is feasible.
Publication	The act of publishing novel ideas or outcomes of research and business projects, for example in periodicals such as scholarly journals, newspapers and magazines, or in books and websites. Publications can be peer-reviewed (for example in many academic journals), or not.
Research Funding (Income)	Any funding for scientific research awarded to a Higher Education Institution. Research funding is often awarded through a competitive process, in which potential research projects are evaluated and only the most promising receive funding. Such processes are usually run by governmental funding and research councils, industrial corporations or foundations and non-commercial organisations.
Secondment	The detachment of a person from their regular organization for temporary assignment elsewhere, for example in industry.
Spin-out (Spin-off)	"From a Higher Education perspective, spin-offs are defined as companies set-up to exploit IP that has originated from within the Higher Education Institute. From a business perspective, a spin-off occurs when a division of a company or organisation becomes an independent business. The newly formed company usually obtains the assets, intellectual property, technology, and/or existing products from the parent organisation.
Start-Up Company	A newly-formed company that has a limited operating history. These companies, generally newly created, are in a phase of development and research for markets. Start-up companies can have a high element of risk associated with their development, but this can be balanced by their high potential rate of growth and scalability.
Technology Transfer	The process of developing practical applications for the results of scientific research. This usually involves the identification of research, typically by dedicated technology transfer offices in HEIs, governmental organizations, and companies, which has potential commercial interest and the design of strategies for how to exploit it. Such strategies can include the creation of licensing agreements or joint ventures, partnerships, or spin-out companies to develop the new technology and bring it to market.

• **Framework of TTI processes**

Main Processes	Mechanisms
Specific Process (industrialising HEI knowledge + social innovation)	**TTI1 Licensing of HEI patents to companies**: Licensing of HEI patents provide the right for industrial companies to use and utilize the HEI research results in the codified form of either patents or trademarks. Licenses are generally negotiated based upon patents, but they can also be based upon other legal mechanisms such as trade secrets or can include software which may be patented or copyrighted. Technology licenses are often limited to particular fields of use or geographical areas. Furthermore, they can be exclusive, partially exclusive, non-exclusive, or co-exclusive.
	TTI2 Formation of start-ups & spin-offs companies: in general a start-up (new firm) or a spin-off (an independent company created from an existing part of another company) when an entrepreneur e.g. an academic leaves an organization to start a firm of her/his own. It arises from a parent organization e.g. HEI, taking along technology that serves as the basis for creating the new company. The newly formed company usually obtains the assets, intellectual property, technology, and/or existing products from the parent organisation.
	TTI3 Non-patent & software innovations in public domain - Creative Commons & Social Innovation: Creative Commons is a nonprofit organization which works to increase the amount of creativity (cultural, educational, and scientific content) in "the commons" — the body of work that is available to the public for free and legal sharing, use, repurposing, and remixing. Social innovation – like many other forms of innovation – is a process of collective innovation involving many players: social enterprises, companies, service users, regulators, funders, politicians. 'Social Entrepreneur' is one who has created and leads an organization, whether for-profit or not, that is aimed at creating large scale, lasting, and systemic change through the introduction of new ideas, methodologies, and changes in attitude.
Generic Process: people, problem solving, public space, other	**TTI4 Problem solving cooperation in R&D**: joint projects and consortia involving external non-academic organizations, supervision of a trainee or research student (MPhil, PhD), research scholarships, sponsoring of research.
	TTI5 Public space - sharing space/facilities/equipment/services/networking: creation of physical facilities with external organisation funding (e.g. new laboratory or campus building), shared laboratories, common location or building, purchase of prototypes, access of academics to high technology equipment, entrepreneurship centers, conferences, meetings, brainstorming sessions, participation in conferences/ workshops/ fairs which have external organisations' participations, organising conferences/workshops/fairs which have external organisations' participations
	TTI6 People – mobility and education: mobility from public institutes to industry & mobility from industry to public institutes (secondment), trainees, double appointments, temporarily exchange of personnel, commissioned/professional education or training - Continuing Professional Development (CPD), retraining of employees, influencing curriculum of HEI programs, providing scholarships for taught programmes, e.g. MSc degrees, sponsoring of education, awards. Participation in professional networks, organizations & boards. Membership of advisory/validation/review boards to HEIs/institutes/centres/taught programmes, Double appointments, Joint publications with individuals from external organisations, Hosting (short or long-term) visits by individuals from external organizations, Giving lectures or talks for (non-HEI) external organisations, Providing informal advice on a non-commercial basis. Networks based on friendship, Alumni societies, Business-oriented social networking site, e.g. LinkedIn, Prestigious (innovation) prizes awarded by business sector associations (national/international). Prestigious

	prizes awarded by public sector organisations (national/international)

Specific Process (industrialising HEI knowledge + social innovation)	
Owner	HEI, Technology Transfer Offices (TTOs), individual staff members
Stakeholders	
- **People involved**	Entrepreneurial academics, postdoctoral researchers, research students, Technology Transfer Office (TTO), research managers & administrators, senior HEI management, business community (commercial and non-commercial organisations), government agencies, research funding bodies
- **Customers**	Business community (commercial and non-commercial organisations, e.g. MNCs, SMEs, Spin-offs and Spin-outs), industrial associations, municipality and county councils, governmental agencies
Activities	Typical flow diagram of the 1st generation Technology Transfer: Research (covered by 2nd mission) → Pre-Disclosure → Invention Disclosure → Assessment → Protection (patent) → Marketing → Licensing (to existing or start-up business) → Commercialization → Revenue. Technology transfer activities: • Licensing • Spin-outs • Non-patent activities
Inputs	Codified & Tacit knowledge / Research outputs: publications, processes, materials, technology, know-how, inventions, skills, patents
Outputs / Impacts	Innovative products, processes, services, or technologies Employment of graduates Turnover/Revenue/Profit Progress and advances (social, medical, technical, etc.) Skills and individual performance increase
Resources	IPR expenditure, TTOs staff, facilities, equipment
Indicators	**TTI1 Licensing of HEI patents to companies** TTI1- i1 # of licences, options and assignments (active & executed, exclusive & non-exclusive) to start-ups/spin-off & existing companies TTI1- i2 Income, e.g. licensing income, total earned royalty income (ERI) TTI1- i3 Revenue/Profit TTI2 Formation of start-ups & spin-offs companies TTI2- i1 total # of start-ups & spin-offs established TTI2- i2 # of start-ups & spin-offs which include HEI employee as a founder TTI2- i3 # of start-ups & spin-offs that are founded by graduates before or just after their graduation TTI3 Non-patent & software innovations in public domain, including Creative Commons & Social Innovation TTI3- i1 # of creative commons and social innovation projects that HEI employee are involved TTI3- i2 # of HEI employees involved in creative commons and social innovation projects

Generic Process: people, problem solving, public space, other	
Owner	HEI, staff members
Stakeholders	

- **People involved**	Academics, postdoctoral researchers, research students, managers & administrators, senior HEI management, business community (commercial and non-commercial organisations), government agencies, research funding bodies, municipality and county councils, non-profit & charity organisation
- **Customers**	Business community (commercial and non-commercial organisations), industrial associations, municipality and county councils
Activities	Problem solving cooperation in R&D: joint R&D projects (consortia involving external non-academic organizations), supervision of a trainee or research student (MPhil, PhD), research scholarships, sponsoring of research, Public Space - Sharing of space/facilities/equipment, conferences, seminars, workshops: creation of physical facilities with external organisation funding (e.g. new laboratory or campus building), shared laboratories, common location or building, purchase of prototypes, access of academics to high technology equipment, entrepreneurship centers, conferences, meetings, brainstorming sessions, Participation in conferences/ workshops/ fairs which have external organisations' participations, Organising conferences/workshops/fairs which have external organisations' participations, People: mobility from public institutes to industry & mobility from industry to public institutes (secondment), trainees, double appointments, temporarily exchange of personnel, commissioned/professional education or training - Continuing Professional Development (CPD), retraining of employees, influencing curriculum of HEI programs, providing scholarships for taught programmes, e.g. MSc degrees, sponsoring of education, awards Participation in professional networks, organizations & boards Membership of advisory/validation/review boards to HEIs/institutes/centres/taught programmes, Double appointments, Joint publications with individuals from external organisations, Hosting (short or long-term) visits by individuals from external organizations, Giving lectures or talks for (non-HEI) external organisations, Providing informal advice on a non-commercial basis Networks based on friendship, Alumni societies, Business-oriented social networking site, e.g. LinkedIn, Prestigious (innovation) prizes awarded by business sector associations (national/international). Prestigious prizes awarded by public sector organisations (national/international)
Inputs	Codified & tacit knowledge, know-how, skills
Outputs	Research outputs, innovation, turnover/revenue/profit, Progress and advances (social, medical, technical, etc.) Skills and individual performance increase
Resources	Capital funding, CPD staff, academic human resources, mobility funding, research funding, donations, funding for organising and participating in conferences conferences/workshops/fairs, reviewers'/advisors' fees, staff organising events
Indicators	**TTI4 Problem solving cooperation in R&D** TTI4- i1 # of non-disclosure Agreements (NDA) TTI4- i2 # of R&D sponsored agreements, contracts and collaborative projects with non-academic partners

	TTI4- i3 value of R&D sponsored contracts and collaborative projects
	TTI4- i4 # of consultancy contracts
	TTI4- i5 # of postgraduate students/postdoctoral researchers directly funded or co-funded by industry/NGOs
	TTI4- i6 % of total research income related to R&D/Consultancy income
	TTI5 Public space - sharing space/facilities/equipment/services
	TTI5- i1 # of created (co-funded) and/or shared laboratories/buildings
	TTI5- i2 # of staff (non-academia & academia) with the access to co-funded/shared R&D facilities/equipment
	TTI5- i3 # of HEI fairs organized for employers
	TTI5- i4 # of organised conferences/workshops which have external organisations' participating/sponsored
	TTI5- i5 # of staff participating in conferences/workshops/fairs which have external organisations,
	TTI5- i6 # of academic staff giving lectures/talks to external non-academic organisations and non-academic partners giving lectures/talks at HEIs
	TTI5- i7 # of staff participating business-oriented social networking sites, e.g. LinkedIn
	TTI6 People – mobility and education
	TTI6- i1 # non-academic individuals attending CPD courses,
	TTI6- i2 # of companies participating in CPD courses
	TTI6- i3 # of HEI employees with temporary positions outside academia (non-academic sabbaticals)
	TTI6- i4 # of non-academic employees with temporary positions at the HEI
	TTI6- i5 # of non-academic co-supervisors of MSc, MPhil and PhD theses
	TTI6- i6 # of MSc, MPhil and PhD projects with non-academic co-supervisors.
	TTI6- i7 # of double appointments
	TTI6- i8 # of joint publications with non-academic authors
	TTI6- i9 # of staff participating in professional networks, organizations & boards
	TTI6- i10 # of external organizations/individuals participating at advisory/steering/validation/review boards to HEIs /institutes /centres/ taught programmes
	TT6-i11 # of prestigious innovation prizes awarded by business & public sector associations/funding agencies (national/international)

5. TECHNOLOGY TRANSFER & INNOVATION INDICATORS

→TTI1: LICENSING OF HEI PATENTS, OPTIONS AND ASSIGMENTS TO COMPANIES

The process TTI1 includes the following indicators:

- ✓ **TTI1-i1: Number of licences, options and assignments (active & executed, exclusive & non-exclusive) to start-ups/spin-off & existing companies**
- ✓ **TTI1-i2: Total earned royalty income (ERI)**
- ✓ **TTI1-i3: Revenue and profit**

TTI1-i1	Number of licences, options and assignments (active & executed, exclusive & non-exclusive) to start-ups/spin-off & existing companies
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Number of licences, options and assignments (active & executed, exclusive & non-exclusive) to start-ups/spin-off & existing companies
Interpretation	This indicator measures all kind of licences, options and assignments to companies.
Measurement	Numerical
Formula (if applies)	(N_licences+N_options+N_assignments) to start-ups or spin-off and existing companies
Units (if applies)	Licences, options and assignments
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional Data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

TTI1-i2	Total earned royalty income (ERI)
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Income generated from commercialisation of HEI knowledge, e.g. licensing income, total earned royalty income (ERI)
Interpretation	This indicator measures total income from commercialisation of HEI knowledge
Measurement	Numerical
Formula (if applies)	Total earned royalty income
Units (if applies)	Euros
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	-

TTI1-i3	Revenue and profit
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Income generated from commercialisation of HEI knowledge, e.g. licensing income, total earned royalty income (ERI)
Interpretation	This indicator measures total revenue/profit from commercialisation of HEI knowledge
Measurement	Numerical
Formula (if applies)	Total revenue and profit generated from commercialisation of HEI knowledge
Units (if applies)	Euros
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

TTI2: FORMATION AND START-UPS & SPIN-OFFS COMPANIES

The process TTI2 includes the following indicators:

- ✓ **TTI2-i1: Number of start-ups & spin-offs established**
- ✓ **TTI2-i2: Number of start-ups & spin-offs which include HEI employee as a founder**
- ✓ **TTI2-i3: Number of start-ups & spin-offs that are founded by graduates before or just after their graduation**

TTI2-i1	Number of start-ups & spin-offs established
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Total number of start-ups and spin-offs established
Interpretation	This indicator measures a total number of start-ups and spin-offs established
Measurement	Numerical
Formula (if applies)	(N_ start-ups +N_spin-offs) established
Units (if applies)	Start-ups, spin-offs
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

TTI2-i2	Number of start-ups & spin-offs which include HEI employee as a founder
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Number of start-ups & spin-offs which include HEI employee as a founder

Interpretation	This indicator measures a number of companies which have been founded/established by HEI employees
Measurement	Numerical
Formula (if applies)	(N_ start-ups +N_spin-offs) which include HEI employee as a founder
Units (if applies)	Start-ups, spin-offs
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

TTI2-i3	Number of start-ups & spin-offs that are founded by graduates before or just after their graduation
Purpose	To measure a specific mechanism of TT&I which is directly aimed at commercialising HEI knowledge
Definition	Number of start-ups & spin-offs that are founded by graduates before or just after their graduation
Interpretation	This indicator measures a number of companies which have been founded/established by graduate students
Measurement	Numerical
Formula (if applies)	(N_ start-ups +N_spin-offs) founded by graduates before or just after their graduation
Units (if applies)	Start-ups, spin-offs
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional Data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

→ TTI3: NON-PATENT & SOFTWARE INNOVATIONS IN PUBLIC DOMAIN, INCLUDING CREATIVE COMMONS & SOCIAL INNOVATION

The process TTI3 includes the following indicators:

- ✓ **TTI2-i1: Number of creative commons and social innovation projects that HEI employee are involved**
- ✓ **TTI2-i2: Number of HEI employees involved in creative commons and social innovation projects**

TTI3-i1	Number of creative commons and social innovation projects that HEI employee are involved
Purpose	To measure the engagement of HEI staff in non-patent public domain entrepreneurial activities, including creative commons & social innovation
Definition	Number of creative commons and social innovation projects
Interpretation	This indicator measures a number of non-patent innovation projects of HEI staff
Measurement	Numerical
Formula (if applies)	(N_creative commons+N_social innovation projects) that HEI employee

	are involved
Units (if applies)	Creative Commons, Social Innovation Projects
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

TTI3-i2	**Number of HEI employees involved in creative commons and social innovation projects**
Purpose	To measure the engagement of HEI staff in non-patent public domain entrepreneurial activities, including creative commons & social innovation
Definition	Number of HEI employees involved in creative commons and social innovation projects
Interpretation	This indicator measures a number of HEI staff involved in non-patent innovation projects
Measurement	Numerical
Formula (if applies)	N_HEI employees involved in creative commons and social innovation projects
Units (if applies)	HEI employees
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Problems/Remarks	Data collection
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

→ TTI4: PROBLEM SOLVING COOPERATION IN R&D

The process TTI4 includes the following indicators:

- ✓ **TTI4-i1: Number of Non-Disclosure Agreements (NDA) with non-academic partners**
- ✓ **TTI4-i2: Number of R&D sponsored agreements, contracts and collaborative projects with non-academic partners**
- ✓ **TTI4-i3: Income of R&D sponsored contracts and collaborative projects with non-academic partners**
- ✓ **TTI4-i4: Number of consultancy contracts**
- ✓ **TTI4-i5: Number of postgraduate students and postdoctoral researchers directly funded or co-funded by public and private businesses**
- ✓ **TTI4-i6: Percentage of total research income related to R&D and Consultancy income**

TTI4-i1	**Number of Non-Disclosure Agreements (NDA) with non-academic partners**
Purpose	To measure problem solving activities/cooperation in R&D. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of non-disclosure Agreements (NDA)
Interpretation	This indicator measures a number of official preliminary R&D agreements

	(NDAs) with non-academic partners
Measurement	Numerical
Formula (if applies)	N_NDA with non-academic partners
Units (if applies)	NDAs
Level of data collection	Institution (usually Technology Transfer Office)
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

TTI4-i2	**Number of R&D sponsored agreements, contracts and collaborative projects with non-academic partners**
Purpose	To measure problem solving activities/cooperation in R&D with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of R&D sponsored agreements, contracts and collaborative projects with non-academic partners
Interpretation	This indicator measures a number of R&D sponsored agreements, contracts and collaborative projects with non-academic partners
Measurement	Numerical
Formula (if applies)	(N_R&D sponsored agreements+N_contracts+N_collaborative projects) with non-academic partners
Units (if applies)	R&D sponsored agreements, contracts and collaborative projects
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

TTI4-i3	**Value of R&D sponsored contracts and collaborative projects**
Purpose	To measure problem solving activities/cooperation in R&D with non-academic partners. This process could be viewed as the input to the technology development and/or improvement.
Definition	Value of R&D sponsored contracts and collaborative projects with non-academic partners
Interpretation	This indicator measures value of R&D sponsored contracts and collaborative projects with non-academic partners
Measurement	Numerical
Formula (if applies)	(Total income of R&D sponsored contracts+Total income of collaborative projects) with non-academic partners
Units (if applies)	Euros
Level of data collection	Institution and/or Faculty
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+

Reliability	+
Feasibility	0
Comparability	+

TTI4-i4	Number of consultancy contracts
Purpose	To measure problem solving activities/cooperation in R&D with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of consultancy contracts with non-academic partners
Interpretation	This indicator measures a number of consultancy contracts with non-academic partners
Measurement	Numerical
Formula (if applies)	N_consultancy contracts
Units (if applies)	Consultancy contracts
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	-
Feasibility	-
Comparability	-

TTI4-i5	Number of postgraduate students/postdoctoral researchers directly funded or co-funded by public and private businesses
Purpose	To measure problem solving activities/cooperation in R&D with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of postgraduate students/postdoctoral researchers directly funded or co-funded by public and private businesses
Interpretation	
Measurement	Numerical
Formula (if applies)	(N_postgraduate students+N_postdoctoral researchers) directly funded or co-funded by public and private businesses
Units (if applies)	Postgraduate students/postdoctoral researchers
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	+

TTI4-i6	Percentage of total research income related to R&D and Consultancy income
Purpose	To measure problem solving activities/cooperation in R&D with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Percentage of total research income related to R&D and Consultancy income

Measurement	Percentage
Interpretation	
Formula	(Total R&D and Consultancy income)/ (Total research income)*100
Units	%
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Problems/Remarks	Data collection. This indicator should take into account a size of HEI and different currencies in Europe
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	-

TTI5: PUBLIC SPACE- SHARING SPACE/FACILITIES/EQUIPMENT/SERVICES

The process TTI5 includes the following indicators:

- ✓ **TTI5-i1: Number of created (co-funded) or shared laboratories and buildings**
- ✓ **TTI5-i2: Number of staff (non-academia & academia) with the access to co-funded or shared R&D facilities or equipment**
- ✓ **TTI5-i3: Number of HEI fairs organized for employers**
- ✓ **TTI5-i4: Number of organised conferences and workshops which have non-academic organisations' participating and/or sponsoring**
- ✓ **TTI5-i5: Number of staff participating in conferences, workshops and fairs which have non-academic organisations**
- ✓ **TTI5-i6: Number of academic staff giving lectures or talks to non-academic organisations and non-academic partners giving lectures or talks at HEIs**
- ✓ **TTI5-i7: Number of staff participating in business-oriented social networking sites**

TTI5-i1	Number of created (co-funded) or shared laboratories and buildings
Purpose	To measure joint access to R&D space/facilities/equipment/services. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of created (co-funded) and/or shared laboratories/ buildings/ facilities
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_created (co-funded) or share laboratories +N_created (co-funded) or share buildings
Units (if applies)	Laboratories, buildings
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Over 5 years
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

TTI5-i2	Number of staff (non-academia & academia) with the access to co-funded or shared R&D facilities or equipment
Purpose	To measure joint access to R&D space/facilities/equipment/services. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of staff (non-academia & academia) with the access to co-funded/shared R&D facilities/equipment
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_staff (non-academia & academia) with the access to co-funded or shared R&D facilities + N_ staff (non-academia & academia) with the access to co-funded or shared R&D equipment
Units (if applies)	Staff
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	+

TTI5-i3	Number of HEI fairs organized for employers
Purpose	To measure official interactions with non-academic partners – potential employers. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of HEI fairs organized for employers
Interpretation	
Measurement	Numerical
Formula (if applies)	N_HEI fairs organized for employers
Units (if applies)	HEI fairs
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	0
Validity	0
Reliability	+
Feasibility	+
Comparability	+

TTI5-i4	Number of organised conferences/workshops which have non-academic organisations' participating and/or sponsoring
Purpose	To measure official interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement.
Definition	Number of organised conferences/workshops which have non-academic organisations' participating and/or sponsoring
Interpretation	--
Measurement	Numerical
Formula (if applies)	(N_organised conferences and workshops) which have non-academic

	organisations' participating and/or sponsoring
Units (if applies)	Conferences, Workshops
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

TTI5-i5	Number of staff participating in conferences, workshops, fairs which have non-academic organisations
Purpose	To measure official interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of staff participating in conferences/workshops/fairs which have non-academic organisations
Interpretation	--
Measurement	Numerical
Formula (if applies)	(N_staff participating in conferences, workshops and fairs) which have non-academic organisations
Units (if applies)	Staff
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	0
Validity	0
Reliability	-
Feasibility	-
Comparability	+

TTI5-i6	Number of academic staff giving lectures or talks to non-academic organisations and non-academic partners giving lectures or talks at HEIs
Purpose	To measure official interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of academic staff giving lectures/talks to non-academic organisations and non-academic partners giving lectures/talks at HEIs
Interpretation	This is usually treated as equivalent to a number of talks
Measurement	Numerical
Formula (if applies)	N_academic staff giving lectures or talks to non-academic organisations+N_non-academic partners giving lectures or talks at HEIs
Units (if applies)	Staff and partners
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	0
Validity	0
Reliability	-
Feasibility	-

Comparability	+

TTI5-i7	Number of staff participating business-oriented social networking sites
Purpose	To measure unofficial interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement.
Definition	Number of academic staff participating in professional/social networking E.g. LinkedIn
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_staff participating in business-oriented social networking sites
Units (if applies)	Staff
Level of data collection	Institution
Type of data source	Survey data
Time reference	Last year
Relevance	0
Validity	0
Reliability	-
Feasibility	-
Comparability	-

TTI6: PEOPLE - MOBILITY AND EDUCATION

The process TTI6 includes the following indicators:

- ✓ **TTI6-i1: Number of non-academic individuals attending CPD courses**
- ✓ **TTI6-i2: Number of companies participating in CPD courses**
- ✓ **TTI6-i3: Number of HEI employees with temporary positions outside of academia**
- ✓ **TTI6-i4: Number of non-academic employees with temporary positions at HEIs**
- ✓ **TTI6-i5: Number of postgraduate theses or projects with non-academic co-supervisors**
- ✓ **TTI6-i6: Number of double appointments**
- ✓ **TTI6-i7: Number of joint publications with non-academic authors**
- ✓ **TTI6-i8: Number of academic staff participating in professional bodies, networks, organizations and boards**
- ✓ **TTI6-i9: Number of external organizations or individuals participating at advisory, steering, validation, review boards to HEIs, institutes, centres or taught programmes**
- ✓ **TTI6-i10: Number of prestigious innovation prizes awarded by business and public sector associations or funding agencies (national and international)**

TTI6-i1	Number of non-academic individuals attending CPD courses
Purpose	To measure interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of non-academic individuals attending CPD courses
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_non-academic individuals attending CPD courses
Units (if applies)	Non-academic individuals
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+

Validity	+
Reliability	+
Feasibility	-
Comparability	0

TTI6-i2	Number of companies participating in CPD courses
Purpose	To measure interactions with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of companies participating in CPD courses
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_companies participating in CPD courses
Units (if applies)	Number of companies
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	0

TTI6-i3	Number of HEI employees with temporary positions outside of academia
Purpose	To measure mobility of academic staff. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of HEI employees with temporary positions outside academia – sabbaticals
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_HEI employees with temporary positions outside of academia
Units (if applies)	HEI employees
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

TTI6-i4	Number of non-academic employees with temporary positions at HEIs
Purpose	To measure mobility of non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of non-academic employees with temporary positions at the HEI, e.g. part-time lecturer and/or doing their MSc, MPhil and PhD degree
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_non-academic employees with temporary positions at HEIs

Units (if applies)	Non-academic employees (part-time or full-time)
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

TTI6-i5	Number of postgraduate theses or projects with non-academic co-supervisors
Purpose	To measure collaboration with non-academic partners. This process could be viewed as the input to the technology development and/or improvement.
Definition	Number of non-academic co-supervisors of MSc, MPhil and PhD theses
Interpretation	--
Measurement (if applies)	Numerical
Formula (if applies)	(N_postgraduate theses+N_postgraduate projects) with non-academic co-supervisors
Units	Postgraduate theses and projects
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	0

TTI6-i6	Number of double appointments
Purpose	To measure mobility and collaboration with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of double appointments
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_ double appointments
Units (if applies)	Double appointments
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	0

TTI6-i7	Number of joint publications with non-academic authors
Purpose	To measure collaboration with non-academic partners. This process

	could be viewed as the input to the technology development and/or improvement
Definition	Number of joint publications with non-academic authors
Interpretation	All kind of publications in peer-reviewed journals, professional magazines and conference proceedings
Measurement	Numerical
Formula (if applies)	N_joint publications with non-academic authors
Units (if applies)	Joint publications
Level of data collection	Institution and/or public data sets
Type of data source	Institutional data / bibliometric data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

TTI6-i8	Number of academic staff participating in professional bodies, networks, organizations and boards
Purpose	To measure collaboration/mobility with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of academic staff participating in professional bodies, networks, organizations and boards
Interpretation	--
Measurement	Numerical
Formula (if applies)	N_academic staff participating in professional bodies, networks, organizations and boards
Units (if applies)	Academic staff
Level of data collection	Institution
Type of data source	Institutional data / public data sets / survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

TTI6-i9	Number of external organizations or individuals participating at advisory, steering, validation, review boards to HEIs, institutes, centres, taught programmes
Purpose	To measure collaboration/mobility with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of external organizations/individuals participating at advisory/steering/validation/review boards to HEIs /institutes/centres/ taught programmes
Interpretation	--
	Numerical
Formula (if applies)	(N_external organizations+N_individuals) participating at advisory, steering, validation, review boards to HEIs, institutes, centres or taught

	programmes
Units (if applies)	Participations
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

TTI6-i10	Number of prestigious innovation prizes awarded by business & public sector associations/funding agencies (national/international)
Purpose	To measure collaboration with non-academic partners. This process could be viewed as the input to the technology development and/or improvement
Definition	Number of prestigious innovation/commercialisation prizes awarded by business & public sector associations/funding agencies (national/international)
Interpretation	Recognition of outstanding TT&I contributions
Measurement	Numerical
Formula (if applies)	N_prestigious innovation prizes awarded by business and public sector associations or funding agencies (national and international)
Units (if applies)	Awards
Level of data collection	Institution
Type of data source	Institutional data / Public data sets
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	0
Comparability	+

**Total number of Technology Transfer & Innovation indicators: 31**

6. SOCIAL ENGAGEMENT PROCESSES

- **Working definition of SE**

Partnership of university knowledge and resources with those of the public and private sectors to enrich scholarship, research and creative activity; enhance curriculum, teaching and learning; prepare educated, engaged citizens; strengthen democratic values and civic responsibility; address critical societal issues; and contribute to the public good. (CIC Committee on Engagement, 2005, Michigan State University).

Social Engagement involves a very different posture from (we do it to them) Outreach. Engagement involves the surrender of some autonomy to the collectivity, allowing partners to share project design, evaluation and delivery. Related words are Cooperation and Collaboration.

- **Framework of SE processes**
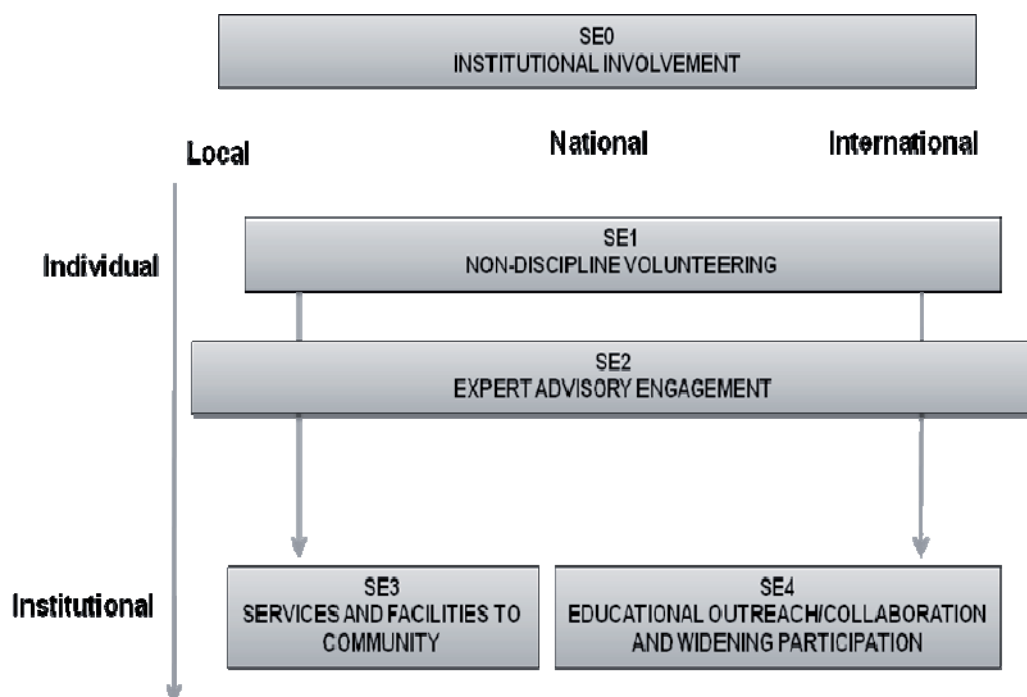
SE0 INSTITUTIONAL INVOLVEMENT IN SOCIAL ENGAGEMENT	
Owner	HEI
Stakeholders (people involved and customers)	HEI; Staff; Students; Faculty; Community in general; NGOs (charities, hospitals, social organizations, political bodies)
Activities	Mission statement; vision definition; SE implementation; consultation with community; involvement of external people in Institutional SE activities
Inputs	Needs analysis; cooperation with NGOs; desire to offer services; issues and problems emerging from context
Outputs	Definition of activities; funding of SE; staff participation; research oriented to SE

Resources	Faculty, student, staff time; dedicated funds; projects
Indicators	SE0-i1 Existence of SE in the mission of HEI SE0-i2 Existence of a policy plan for SE in the HEI SE0-i3 Existence of SE in the strategy of the HEI

SE1 NON-DISCIPLINE VOLUNTEERING	
Owner	Students; staff; faculty
Stakeholders (people involved and customers)	Staff, students, faculty, community in general, NGOS (Charities, hospitals, social organizations; political bodies)
Activities	Fundraising; service in organizations and community groups; charity events – organization and/or participation; schools support – including pre-school, primary, secondary (e.g. tutoring, mentoring); disaster relief and development aid – nationally and internationally
Inputs	Needs identification for volunteer work; direct requests; cooperation with social organizations; issues and problems emerging from local context
Outputs	Contribution to social organizations; contribution to HEI by community through collaboration; community welfare; cooperation mechanisms between HEI and NGOs; personal development of faculty, staff and students, systems etc.
Resources	Faculty, student, staff time; dedicated funds
Indicators	SE1-i1 Number of academics involved in non-discipline volunteering SE1-i2 Number of non-academics or technical or administrative staff involved in non-discipline volunteering SE1-i3 Number of students involved in non-discipline volunteering SE1-i4 Estimation of the economic value of the non-discipline volunteering to NGOs SE1-i5 Number of NGOs benefitting from non-discipline volunteering inputs from HEI staff or students SE1-i6 Time spent by HEI staff and students for non-discipline volunteering SE1-i7 Number of staff hours in the HEI's co-ordinating office(s) dedicated to SE1 activities (FTE)

SE2 EXPERT ADVISORY ENGAGEMENT	
Owner	HEI; colleges; faculty/departments
Stakeholders (people involved and customers)	Faculty; community in general; NGOs; political bodies; institutions (public/private); local, national and international authorities
Activities	Public speeches (discipline-specific); committee membership/participation at meetings; media interventions; consultancy; policy submissions; schools support – including pre-school, primary, secondary (e.g. tutoring, mentoring); disaster relief and development aid – nationally and internationally
Inputs	Invitations from external bodies and organizations; volunteer proposals
Outputs	Scheduled interventions; pro bono work; interviews; public documents
Resources	Staff time; student time; travel and subsistence costs; dedicated funds
Indicators	SE2-i1 Number of academics involved in volunteering advisory SE2-i2 Number of non-academics, technical or administrative staff member involved in volunteering advisory SE2-i3 Number of students involved in volunteering advisory SE2-i4 Estimation of the economic value of the volunteering advisory to NGOs SE2-i5 Time spent in volunteering advisory by HEI staff members or

students
SE2-i6 Media appearances regarding the advisory work
SE2-i7 Number of realised policy submissions

SE3 SERVICES AND FACILITIES TO COMMUNITY	
Owner	HEI
Stakeholders (people involved and customers)	HEI administration, community in general, staff, faculty and students
Activities	Improving Public Health, education, employment, arts and culture Job creation; Provision of physical facilities (libraries, labs, sport facilities); Cultural related activities access and provisions (theatres, companies, museums…) ; Brokerage/facilitation of meetings/reports between stakeholders (e.g., bringing together community groups and public authorities...)
Inputs	Direct request; proposal from faculty; HEI strategy
Outputs	Cooperation agreements; joint events; oriented research projects
Resources	HEI facilities; faculty; staff and student time; dedicated funds
Indicators	SE3-i1 Number of events open to community/public SE3-i2 Number of research initiatives with direct impact on the community CE3-i3 Number of facilities available SE3-i4 Number/cost of staff/student hours made available to deliver services and facilities to community SE3-i5 Number of people attending/using facilities SE3-i6 Estimation of the economic value for the community of using free or reduced cost services and facilities by HEI

SE4 EDUCATIONAL OUTREACH/COLLABORATION AND WIDENING PARTICIPATION	
Owner	HEI; faculty; students; staff; dedicated departments
Stakeholders (people involved and customers)	HEIs; community in general; specific groups in community (NGOs, CSOs, schools, etc.)
Activities	Empowerment of disadvantaged groups (e.g. socio-economically disadvantaged population; senior population; ethnic minorities; people with disabilities; mature students) Tutoring and mentoring of primary/secondary school students Community based learning (service-learning) Community based research (it is about learning together) Involvement in primary, secondary and community educational initiatives; Promotion of educational achievement and access to Higher Education for disadvantaged groups. Local and regional development through educational based initiatives (e.g., tourism, entrepreneurship) National/International Cooperation between HEIs
Inputs	Joint discussions; requests from civil community; Initiative appraisal; specific departments
Outputs	Dedicated projects; seminars, workshops; public interventions
Resources	Dedicated funds; staff and student time; physical facilities; co-ordinating office(s)
Indicators	SE4-i1 Number of projects related to Educational Outreach SE4-i2 Number of faculty staff and students involved in Educational Outreach activity SE4-i3 External funding obtained SE4-i4 Internal amount of funding allocated by HEI to Educational Outreach

	SE4-i5 Number of community participants in Educational Outreach activity SE4-i6 Number of community based learning community modules offered by HEIs SE4-i7 Number of activities specifically targeting disadvantaged students/community groups SE4-i8 Number of events in HEIs involving primary and secondary students SE4-I9 Number of community representative on HE boards or committees SE4-i10 Number of staff hours in HEI's co-ordinating office(s) dedicated to SE4 activities SE4-i11 Amount of grants/donations/contracts arising from engaged partnerships SE4-i12 Number of persons from disadvantaged groups (e.g. disability, ethnic minorities, socio-economic disadvantaged) involved SE4-i13 Number of pre-school/primary/secondary students involved

7. SOCIAL ENGAGEMENT INDICATORS

→ SE0: INSTITUTIONAL INVOLVEMENT IN SOCIAL ENGAGEMENT

The process SE0 includes the following indicators:

- ✓ **SE0-i1: Existence of SE in the mission of HEI**
- ✓ **SE0-i2: Existence of a policy plan for SE in the HEI**
- ✓ **SE0-i3: Existence of SE in the strategy of the HEI**

SE0-i1	Existence of SE in the mission of HEI
Purpose	To measure the long term commitment of the HEI towards SE
Definition	Inclusion of SE in the definition of the mission of the HEI
Interpretation	This indicator evaluates the commitment of the HEI at the administration level and on a long term basis
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE0-i2	Existence of a policy plan for SE in the HEI
Purpose	To measure the specific involvement of the HEI in SE
Definition	Existence of a policy plan for SE in the HEI
Interpretation	This indicator evaluates the commitment of the HEI in the implementation of SE
Measurement	--
Formula (if applies)	--
Units (if applies)	Binary
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE0-i3	Existence of SE in the strategy of the HEI
Purpose	To measure the practical management of SE activities of HEI
Definition	Strategy plan of the HEI with indicators that benchmark the involvement of HEI in SE
Interpretation	This indicator evaluates the goals and objectives of the SE strategic plan
Measurement	Binary
Formula (if applies)	--
Units (if applies)	--

Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0
Comparability	+

→ SE1: NON-DISCIPLINE SPECIFIC VOLUNTEERING

The process SE1 includes the following indicators:

✓ **SE1-i1: Number of academics involved in non-discipline volunteering**
✓ **SE1-i2: Number of non-academics or technical or administrative staff involved in non-discipline volunteering**
✓ **SE1-i3: Number of students involved in non-discipline volunteering**
✓ **SE1-i4: Estimation of the economic value of the non-discipline volunteering to NGOs**
✓ **SE1-i5: Number of NGOs benefitting from non-discipline volunteering inputs from HEI staff or students**
✓ **SE1-i6: Time spent by HEI staff and students for non-discipline volunteering**
✓ **SE1-i7: Number of staff hours in the HEI's co-ordinating office(s) dedicated to SE1 activities (FTE)**

SE1-i1	Number of academics involved in non-discipline volunteering
Purpose	To measure the involvement of academics in non-discipline volunteering towards the community
Definition	Number of academics (in absolute number and FTE) involved in non-discipline volunteering
Interpretation	This indicator evaluates the extent and involvement of academic staff in non-discipline volunteering towards the community
Measurement	Numerical
Formula (if applies)	N_academics involved in non-discipline volunteering
Units (if applies)	Academic staff involved in non-discipline volunteering
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE1-i2	Number of non-academics or technical or administrative staff involved in non-discipline volunteering
Purpose	To measure the involvement of non-academic/technical/administrative staff in non-discipline volunteering towards the community
Definition	Number of non-academic/technical/administrative staff in terms of FTE involved in non-discipline volunteering
Interpretation	This indicator evaluates the extent of the devotion and involvement of non-academic/technical/administrative staff in volunteering towards the community
Measurement	Numerical
Formula (if applies)	N_non-academics or technical or administrative staff involved in non-

	discipline volunteering
Units (if applies)	Non-academics/technical/administrative staff involved in non-discipline volunteering
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE1-i3	Number of students involved in non-discipline volunteering
Purpose	To measure the involvement of students in non-discipline volunteering towards the community
Definition	Number of students involved in non-discipline volunteering
Interpretation	This indicator evaluates the extent of the involvement of students in volunteering towards the community
Measurement	Numerical
Formula (if applies)	N_students involved in non-discipline volunteering
Units (if applies)	Students involved in non-discipline volunteering
Level of data collection	Institution
Type of data source	Institutional / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE1-i4	Estimation of the economic value of the non-discipline volunteering to NGOs
Purpose	To measure the estimation of the economic value of the non-discipline volunteering to NGOs
Definition	Salaries, fees and related costs saved by NGOs
Interpretation	This indicator measures the extent of cost benefits (in kind contribution) to NGOs provided by the HEI staff and students
Measurement	Numerical
Formula (if applies)	Total income of the non-discipline volunteering to NGOs
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Survey data
Time reference	Last year
Problems/Remarks	Data collection

		Comments about criteria
Relevance	+	
Validity	+	
Reliability	0	
Feasibility	-	
Comparability	-	

SE1-i5	Number of NGOs benefitting from non-discipline volunteering inputs from HEI staff or students
Purpose	To measure the number of NGOs in which the HEI staff members or

	students operate as volunteers
Definition	Number of NGOs in which HEI staff members or students as volunteers serve the community
Interpretation	This indicator evaluates in how many NGOs HEI staff members or students operate as non-discipline volunteers serving the community
	Numerical
Formula (if applies)	N_NGOs benefitting from non-discipline volunteering inputs from HEI staff or students
Units (if applies)	NGOs
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	0
Reliability	0
Feasibility	-
Comparability	-

SE1-i6	Time spent by HEI staff and students for non-discipline volunteering
Purpose	To measure the involvement of HEI staff members and students in non-discipline volunteering towards the community
Definition	Number of hours of the HEI staff and students used for volunteering
Interpretation	This indicator evaluates the extent and involvement of HEI staff and students towards the community
Measurement	Numerical
Formula (if applies)	N_hours spent in non-discipline volunteering by HEI staff and students
Units (if applies)	Hours used for volunteering by the HEI staff and students
Level of data collection	Institution
Type of data source	Institutional / Survey data
Time reference	Last year
Relevance	+
Validity	0
Reliability	0
Feasibility	-
Comparability	-

SE1-i7	Number of staff hours in the HEI's co-ordinating office(s) dedicated to SE1 activities
Purpose	To measure the involvement of the HEI as an institution in volunteering towards the community
Definition	Number of staff hours in the HEI's coordinating office(s) dedicated to SE1 activities
Interpretation	This indicator measures the extent and involvement of the HEI as an institution in volunteering towards the community
Measurement	Numerical
Formula (if applies)	N_staff hours in the HEI's co-ordinating office(s) dedicated to SE1 activities
Units (if applies)	Hours of the target staff
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	0
Reliability	0

Feasibility	-
Comparability	-

→ SE2: EXPERT ADVISORY ENGAGEMENT

The process SE2 includes the following indicators:

✓ **SE2-i1: Number of academics involved in volunteering advisory**
✓ **SE2-i2: Number of non-academics, technical or administrative staff member involved in volunteering advisory**
✓ **SE2-i3: Number of students involved in volunteering advisory**
✓ **SE2-i4: Estimation of the economic value of the volunteering advisory to NGOs**
✓ **SE2-i5: Time spent in volunteering advisory by HEI staff members or students**
✓ **SE2-i6: Media appearances regarding the advisory work**
✓ **SE2-i7: Number of realised policy submissions**

SE2-i1	Number of academics involved in volunteering advisory
Purpose	To measure the involvement of academics in volunteering advisory towards the community
Definition	Number of academics (in terms of FTE) involved in volunteering advisory
Interpretation	This indicator evaluates the extent and engagement of the academics in volunteering advisory towards the community
Measurement	Numerical
Formula (if applies)	N_academics involved in volunteering advisory
Units (if applies)	Academics involved in volunteering advisory
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE2-i2	Number of non-academics, technical or administrative staff member involved in volunteering advisory
Purpose	To measure the involvement of non-academics/technical/administrative staff members in volunteering advisory towards the community
Definition	Number of non-academic/technical/administrative staff members (in terms of FTE) involved into volunteer advisory
Interpretation	This indicator evaluates the extent and engagement of non-academic/technical/administrative staff members in volunteering advisory towards the community
Measurement	Numerical
Formula (if applies)	N_non-academics, technical or administrative staff member involved in volunteering advisory
Units (if applies)	Non-academic/technical/administrative staff members involved in volunteering advisory
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0

Feasibility	-
Comparability	-

SE2-i3	Number of students involved in volunteering advisory
Purpose	To measure the involvement of HEI students in volunteering advisory towards the community
Definition	Number of students involved in volunteer advisory
Interpretation	This indicator evaluates the extent and engagement of HEI students in volunteering advisory towards the community
Measurement	Numerical
Formula (if applies)	N_students involved in volunteering advisory
Units (if applies)	Students involved in volunteering advisory
Level of data collection	Students involved in volunteering advisory
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE2-i4	Estimation of the economic value of the volunteering advisory to NGOs
Purpose	To measure the estimation of the economic value of the volunteering advisory to NGOs
Definition	--
Interpretation	--
Measurement	Numerical
Formula (if applies)	Total income of the volunteering advisory to NGOs
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	-
Comparability	-

SE2-i5	Time spent in volunteering advisory by HEI staff members or students
Purpose	To measure the involvement of staff and students in volunteering advisory
Definition	Number of hours spent by staff and students in volunteering advisory meetings or other events
Interpretation	The indicator measures the extent and engagement of HEI staff and students in volunteering advisory
Measurement	Numerical
Formula (if applies)	N_hours spent in volunteering advisory by HEI staff members or students
Units (if applies)	Hours devoted for volunteering advisory (meetings or other events
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0

Feasibility	-
Comparability	-

SE2-i6	Media appearances regarding the advisory work
Purpose	To measure the media appearance of HEI, its staff and students regarding the advisory work towards the community
Definition	Number various media appearances (internet, newspapers, etc.) of HEI, its staff and students, and their advisory work for community
Interpretation	This indicator measures the documented involvement of HEI's advisory work towards the community
Measurement	Numerical
Formula (if applies)	N_media appearances regarding the advisory work
Units (if applies)	Media appearance, which can be further divided into web (internet) appearance and appearance in printed media
Level of data collection	Institution
Type of data source	Public data sets
Time reference	Last year
Relevance	+
Validity	0
Reliability	+
Feasibility	0
Comparability	0

SE2-i7	Number of realized policy submissions
Purpose	To measure the involvement of HEI's staff and students and their implications on the national or European decisions-making process
Definition	Number of realised policy submissions made by HEI's staff and students
Interpretation	This indicator measures the extent of the influence of HEI staff members and students on decision-making processes
Measurement	Numerical
Formula (if applies)	N_realised policy submissions
Units (if applies)	Realized policy submissions
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	0
Reliability	+
Feasibility	+
Comparability	+

→ SE3: SERVICES AND FACILITIES TO COMMUNITY

The process SE3 includes the following indicators:

✓ **SE3-i1: Number of events open to community/public**
✓ **SE3-i2: Number of research initiatives with direct impact on the community**
✓ **SE3-i3: Number of facilities available**
✓ **SE3-i4: Number/cost of staff/student hours made available to deliver services and facilities to community**
✓ **SE3-i5: Number of people attending/using facilities**
✓ **SE3-i6: Estimation of the economic value for the community of using free or reduced cost services and facilities by HEI**

SE3-i1	Number of events open to community/public 53
Purpose	To measure the numbers of events held by the HEI open to the general public (excluding invitation-only events)
Definition	Numbers of events held by the HEI open to the general public (excluding invitation-only events)
Interpretation	Events organised or delivered by the HEI, free or charged, which are open to the general public without needing an invitation to attend (e.g. concert; art exhibition; lectures; open days)
Measurement	Numerical
Formula (if applies)	N_events per year
Units (if applies)	Events
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last academic year
Relevance Validity Reliability Feasibility Comparability	+ + + + +

SE3-i2	Number of research initiatives with direct impact on the community
Purpose	To measure the level of community-based research (participatory action research), and research with a policy implication and/or benefit for the community
Definition	The level of community-based research (participatory action research), and research with a policy implication and/or benefit for the community
Interpretation	Research must be carried out with a stated benefit for the broader community, whether it is collaborative research or HEI-driven research
Measurement	Numerical
Formula (if applies)	N_research projects
Units (if applies)	Euro
Level of data collection	Institutional
Type of data source	Institutional data
Time reference	Last year
Relevance Validity Reliability Feasibility Comparability	+ + + + -

SE3-i3	Number of facilities available
Purpose	To measure the availability of HEI facilities to communities
Definition	Availability of free or reduced-cost HEI facilities to communities
Interpretation	Number of facilities available
Measurement	Numerical
Formula (if applies)	N_facilities available
Units (if applies)	Facilities available
Level of data collection	Institutional

Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE3-i4	Number/cost of staff/student hours made available to deliver services and facilities to community
Purpose	To measure the number/cost of staff/student hours made available to deliver services and facilities to community
Definition	The number/cost of staff/student hours made available to deliver services and facilities to community
Interpretation	The human cost of facilities being made available to the public (e.g. cost of lifeguard and admin staff at HEI swimming pool when open to public; cost of optometry staff and students offering free eye tests; admin support/buildings maintenance staff for room hire)
	Numerical
Formula (if applies)	N_ staff x hours x hourly cost, plus: N_ students x hours x ¼ of equivalent staff hourly cost
Units (if applies)	Euros
Level of data collection	Institutional
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE3-i5	Number of people attending/using facilities
Purpose	To measure the extent of provision of services by the HEI and their relevance to the public by quantifying attendance
Definition	Number of people attending/using low-cost/free facilities offered by HEI
Interpretation	The extent of provision of services by the HEI and their relevance to the community by quantifying attendance
Measurement	Numerical
Formula (if applies)	N_people attending/using facilities
Units (if applies)	People attending/using facilities
Level of data collection	Institutional
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE3-i6	Estimation of the economic value for the community of using free or reduced cost services and facilities by HEI
Purpose	To measure the economic value for the community of using free or reduced cost services and facilities by HEI
Definition	The economic value for the community of using free or reduced cost

	services and facilities by HE
Interpretation	The economic value for the community of using free or reduced cost services and facilities by HEI
Measurement	Numerical
Formula (if applies)	--
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Institutional data /Publically available data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE4: EDUACTIONAL OUTREACH/COLLABORATION AND WIDENING PARTICIPATION

The process SE4 includes the following indicators:

- ✓ **SE4-i1: Number of projects related to Educational Outreach**
- ✓ **SE4-i2: Number of faculty staff and students involved in Educational Outreach activity**
- ✓ **SE4-i3: External funding obtained**
- ✓ **SE4-i4: Internal amount of funding allocated by HEI to Educational Outreach**
- ✓ **SE4-i5: Number of community participants in Educational Outreach activity**
- ✓ **SE4-i6: Number of community based learning community modules offered by HEIs**
- ✓ **SE4-i7: Number of activities specifically targeting disadvantaged students/community groups**
- ✓ **SE4-i8: Number of events in HEIs involving primary and secondary students**
- ✓ **SE4-i9: Number of community representative on HE boards or committees**
- ✓ **SE4-i10: Number of staff hours in HEI's co-ordinating office(s) dedicated to SE4 activities**
- ✓ **SE4-i11: Amount of grants/donations/contracts arising from engaged partnerships**
- ✓ **SE4-i12: Number of persons from disadvantaged groups (e.g. disability, ethnic minorities, socio-economic disadvantaged) involved**
- ✓ **SE4-i13: Number of pre-school/primary/secondary students involved**

SE4-i1	Number of projects related to Educational Outreach
Purpose	To measure the activity of Educational Outreach projects on non-student population
Definition	Number of Educational Outreach project targeting non-institutional beneficiaries outside the HE organisation
Interpretation	An Educational Outreach project could have also a component targeted to HE institutional beneficiaries but most of the activity is supposed to have external targets
Measurement	Numerical
Formula (if applies)	N_projects related to Educational Outreach
Units (if applies)	Projects related to Educational Outreach
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0
Feasibility	0

Comparability	-

SE4-i2	Number of faculty staff and students involved in Educational Outreach activity
Purpose	To measure the effort of faculty staff and students in Educational Outreach activities
Definition	The number of faculty staff and students that declare to have undertaken an Educational Outreach activity in the past twelve months
Interpretation	"Faculty staff and students" refers to all the HEI personnel and the enrolled students involved in an activity such as Educational Outreach project could have also a component targeted to HE institutional beneficiaries but most of the activity is supposed to have external targets
Measurement	Numerical
Formula (if applies)	N_faculty staff and students
Units (if applies)	Individuals
Level of data collection	Institution
Type of data source	Institutional data / Survey data
Time reference	Last year
Relevance	+
Validity	+
Reliability	-
Feasibility	-
Comparability	0

SE4-i3	External funding obtained
Purpose	To measure fund-raising institutional capacity addressed to support Educational Outreach activities. It quantifies the external resources supporting Educational Outreach activities
Definition	The monetary entity of external founding collected in the reference year for Educational Outreach activity
Interpretation	External funds encompass both private and public financial sources addressed to Educational Outreach activities. In case of project with an Educational Outreach component it refers to the amount of budget specifically dedicated to it
Measurement	Numerical
Formula (if applies)	--
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE4-i4	Internal amount of funding allocated by HEI to Educational Outreach
Purpose	To measure the effort of HEI in supporting Educational Outreach activities through internal resources
Definition	The monetary entity of internal founding committed to Educational Outreach activity in the reference year

Interpretation	In case of project with a Educational Outreach component it refers to the amount of budget specifically dedicated to it
Measurement	Numerical
Formula (if applies)	--
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE4-i5	Number of community participants in Educational Outreach activity
Purpose	To measure the ability of HEI in attracting and mobilizing external citizens in Educational Outreach activities. It quantifies the number of people outside HEIs involved in Educational Outreach activity
Definition	The number of people outside HEIs that take advantage of Educational Outreach activity in the reference year
Interpretation	If a person participates in several activities it will count as many times as the person participates in such activities
Measurement	Numerical
Formula (if applies)	N_community participants in Educational Outreach activity
Units (if applies)	Individuals
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	-
Comparability	+

SE4-i6	Number of community based learning community modules offered by HEIs
Purpose	To measure the effort of HEIs to involve community based learning community
Definition	The number of modules offered by HEIs to community based learning community
Interpretation	The modules can be specifically designed for community based learning community or developed for other purposes. The modules can be or not accredited
Measurement	Numerical
Formula (if applies)	N_modules
Units (if applies)	Modules
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	0

Feasibility	-
Comparability	+

SE4-i7	Number of activities specifically targeting disadvantaged students/community groups
Purpose	To measure the effort of HEIs in developing activities specifically designed for disabled or socially disadvantaged communities
Definition	Number of activities specifically designed to address to disabled or socially disadvantaged communities in order to enable the better access to knowledge, economical means or educational opportunities
Interpretation	A measure of the implication with community
Measurement	Numerical
Formula (if applies)	N_activities specifically targeting disadvantaged students/community groups
Units (if applies)	Activities specifically targeting disadvantaged students/community groups
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	0
Reliability	0
Feasibility	-
Comparability	+

SE4-i8	Number of events in HEIs involving primary and secondary students	
Purpose	To measure the effort of HEIs in making primary and secondary students aware on educational careers paths	
Definition	Number of events organized by HEIs for this purpose	
Interpretation	A measure of the implication with community	
Measurement	Numerical	
Formula (if applies)	N_events per year in HEIs involving primary and secondary students	
Units (if applies)	Events in HEIs involving primary and secondary students	
Level of data collection	Institution	
Type of data source	Institutional data	
Time reference	Last year	
Relevance	+	Comments about criteria
Validity	0	
Reliability	-	
Feasibility	-	
Comparability	0	

SE4-i9	Number of community representative on HE boards or committees
Purpose	To measure the extent of involvement of local institutions in the HE activities in general
Definition	Number of community representative on HE boards or committees
Interpretation	If a community representative sits in more than one committee counts the number of committees covered
Measurement	Numerical
Formula (if applies)	N_community representative on HE board or committies
Units (if applies)	Individuals
Level of data collection	Institution

Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	0
Reliability	-
Feasibility	-
Comparability	0

SE4-i10	Number of staff hours in HEI's co-ordinating office(s) dedicated to SE4 activities
Purpose	To benchmark the infrastructure to manage SE4 actions in HE
Definition	Number of hours involved in management of SE4 actions
Interpretation	Number of hours spent in managing SE4 actions as an indication of the importance of SE in the HE operation
Measurement	Numerical
Formula (if applies)	Hours spent per year in the management infrastructure and human resources of SE4 actions
Units (if applies)	Hours
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE4-i11	Amount of grants/donations/contracts arising from engaged partnerships
Purpose	To measure the commitment to, and success in, getting funding for SE Partnerships
Definition	Value per year of funding from partnerships in SE actions
Interpretation	It is the value per year of financing from partners in SE actions. It reflects the degree of motivation created by each HEI in the partners of SE actions. It is somehow an index of the capacity to engage partners in SE actions promoted by HEIs
Measurement	Numerical
Formula (if applies)	Per year: Sum of funds gained for SE actions coming from external sources (not community partners)
Units (if applies)	Euros
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	-
Feasibility	-
Comparability	+

SE4-i12	Number of persons from disadvantaged groups (e.g. disability, ethnic minorities, socio-economic disadvantaged) involved
Purpose	To benchmark the interaction in SE with citizens from disadvantaged groups) e.g. disability, ethnic minorities, socio-economic disadvantage)
Definition	The number of persons from disadvantaged groups (e.g. disability, ethnic

	minorities, socio-economic disadvantage) in SE actions
Interpretation	Measure of persons from disadvantaged groups (e.g. disability, ethnic minorities, socio-economic disadvantaged according to each country definition) involved in SE actions directly
Measurement	Numerical
Formula (if applies)	N_ persons from disadvantaged groups
Units (if applies)	Persons from disadvantaged groups
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	+
Validity	+
Reliability	+
Feasibility	+
Comparability	+

SE4-i13	Number of pre-school/primary/secondary students involved in Se actions
Purpose	To benchmark the interaction in SE between HE and pre-school /P/S systems
Definition	The number of students pre-school /P/S involved in SE actions
Interpretation	Measure of students of pre-school/ P/S per year in SE actions in days. One student that works two days in one year is considered as two
Measurement	Numerical
Formula (if applies)	N_students pre-school/P/S
Units (if applies)	Students pre-school/P/S
Level of data collection	Institution
Type of data source	Institutional data
Time reference	Last year
Relevance	0
Validity	+
Reliability	+
Feasibility	+
Comparability	+

Total number of Social Engagement indicators: 36

8. PROJECT PARTICIPANTS

The consortium formed for this Project consists of the following institutions and coordinators:

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