

E.4 Logical Framework Matrix – LFM

<p>Wider Objective: <i>What is the general objective, to which the project will contribute?</i></p> <p>(O1.) General objective is to provide target HEIs with innovative pedagogical methods, based on the findings of recent scientific research (Kaushik, 2016; Melero, Leo in Blat, 2012; Nicolaides, 2012), supportive technologies and knowledge needed to use them in their environments for all students, with the focus on students with special needs.</p>	<p>Indicators of progress: <i>What are the key indicators related to the wider objective?</i></p> <ul style="list-style-type: none"> • (I1.) Number of different innovative pedagogical approaches introduced into each of the target HEIs; Target value (TV): at least two (2) different pilot experiments per HEI; • (I2.) Number of trainings performed for each HEI; TV: 6 training days per participant (trainee) per HEI; • (I3.) Number of students with special needs involved in the project activities; TV: 6 per HEI; 	<p>How indicators will be measured: <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • (I1.) information from e-learning content within virtual learning environments, used for pilot experiments; • (I2.) data about performed trainings, from project activities performance; • (I3.) access data about students from used virtual learning applications, derived from the project; 		
<p>Specific Project Objective/s: <i>What are the specific objectives, which the project shall achieve?</i></p> <ul style="list-style-type: none"> • (SO1.) Increase the percentage of the lectures (or contact hours between a pedagogue and a student, or credits, or learning goals achieved) 	<p>Indicators of progress: <i>What are the quantitative and qualitative indicators showing whether and to what extent the project's specific objectives are achieved?</i></p> <ul style="list-style-type: none"> • (I4.) Related to SO1: Increase percentage from the base value; Base value: will be defined in the project WP1; Target value(TV): 10%; 	<p>How indicators will be measured: <i>What are the sources of information that exist and can be collected? What are the methods required to get this information?</i></p> <ul style="list-style-type: none"> • (I4., I5.) base value from the management sources within target HEIs, TV will be collected from the pedagogues in target HEIs participating in the project; 	<p>Assumptions & risks <i>What are the factors and conditions not under the direct control of the project, which are necessary to achieve these objectives? What risks have to be considered?</i></p> <ul style="list-style-type: none"> • (SO1., SO2.) only the subjects with pedagogues participating in the project actively will be considered; • (SO3.) This indicator and objective is very important, 	<p>How the risks will be mitigated: (SO3.) During performance of all activities within WP1 (preparation), WP2 (DEVELOPMENT - models design) and WP4 (DEVELOPMENT - Implementation and teaching process) in which pedagogues from target HEIs will be involved, the project will focus on identifying and</p>

<p>performed with the use of ICT;</p> <ul style="list-style-type: none"> • (SO2.) Increase the presence of students in lectures (remote or classroom) with the use of ICT; • (SO3.) Increase of inclusion of students with special needs into studying programmes of target HEIs; 	<ul style="list-style-type: none"> • (I5.) Related to SO2: Increase percentage from the base value; Base value: will be defined in the project WP1; TV: 10%; • (I6.) Number of engaged students with special needs in target HEIs; TV: 8; 	<ul style="list-style-type: none"> • (I6.) from the administrative sources (student offices) in target HEIs; 	<p>however, enrolment of students with special needs in target HEIs as well as their engagement in the subjects that are going to participate in the project may not be under control of the project;</p>	<p>including students with special needs into project activities,</p>
<p>Outputs (tangible) and Outcomes (intangible): <i>Please provide the list of concrete DELIVERABLES - outputs/outcomes (grouped in Work packages), leading to the specific objective/s.:</i></p> <ul style="list-style-type: none"> • WP1: • O1.1: Analysis of platf. and smart labs mod.– Prog.co. HEIs; • O1.2: Analysis of platf. and smart labs mod.– Part.co. HEIs; • O1.3: Comp. anal. – Prog. and Part. co. HEIs • O1.4: Study visit to Prog. co. HEI 	<p>Indicators of progress: <i>What are the indicators to measure whether and to what extent the project achieves the envisaged results and effects?</i></p> <ul style="list-style-type: none"> • WP1: <ul style="list-style-type: none"> • O1.1, O1.2, O1.3: 1 report (for each output); • O1.4: 4 events performed • WP2: <ul style="list-style-type: none"> • O2.1: 6 reports • O2.2, O2.3: 1 report • O2.4: 1 event performed; 1 report; TV: 1 	<p>How indicators will be measured: <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • WP1 and WP2: <ul style="list-style-type: none"> • O1.1, O1.2, O1.3, O1.4, O2.1, O2.2, O2.3, O2.4: Official project documentation submitted, project website (deliverables, events); • O2.5: Information on reports: Official project documentation submitted; Information on courses: from 8 partner reports submitted; 	<p>Assumptions & risks <i>What external factors and conditions must be realised to obtain the expected outcomes and results on schedule?</i></p> <ul style="list-style-type: none"> • WP1: <ul style="list-style-type: none"> • O1.1, O1.2, O1.3: No ext. fact. or cond.; • O1.4: weather or other related problems, disabling partners to attend study visit; • WP2: <ul style="list-style-type: none"> • O2.1, O2.2, O2.3: No ext. fact. or cond.; • O2.4: weather or other related problems, disabling partners to attend workshop; 	<p>How the risks will be mitigated:</p> <ul style="list-style-type: none"> • WP1: <ul style="list-style-type: none"> • O1.3: Dependency on the O1.1, O1.2: completion; Mitigation: monitoring progress of O1.1, O1.2: providing support/consultation if necessary to complete on time; • O1.4: study visit materials available for subsequent viewing (electronic materials) on the project website; • WP2: <ul style="list-style-type: none"> • O2.1: Dependency on O1.3 completion on time; Mitigation: Programme countries HEIs providing direct support to

<ul style="list-style-type: none"> • WP2: • O2.1: User req. for platf. and smart labs – Part. co. HEI • O2.2: New Innov. Ped.Appr. and Methodologies • O2.3: Models of platf. and smart labs with tech. specifications • O2.4: Workshop for acceptance of prop. models • O2.5: Changes in syllabuses • O2.6: Obtaining decision on changes in syllabuses • WP3 • O3.1: HW & SW purchase • O3.2: Install. equip. and platf. prep. 	<ul style="list-style-type: none"> • O2.5: least 54 (9 per HEI) courses for pilot adaptations; 6 reports • O2.6: 6 scanned, officially interpreted confirmation documents (1 per HEI) • WP3: • O3.1: 6 reports; Percentage of purchased items, vs. planned items to purchase: 100% • O3.2: Number of software components and OS installed per partner; Number of HW components installed and connected • O3.3: Number of platform components launched and/or integrated per partner HEI • O3.4: 2 training days; 10 training participants • O3.5: 3 training days; 12 training participants; 	<ul style="list-style-type: none"> • O2.6: Official project documentation submitted; • WP3: • O3.1: form HNEI inventory books; • O3.2: information from reports: O2.3, O2.4, O3.1; Direct communication with IT administrators of partner HEIs; • O3.3: information from reports: O2.3, O2.4 as well as online access and testing of each HEIs' platforms; • O3.4, O3.5: Official project reports submitted; • O3.6: information will be provided from task 2.3, 2.4 reports, as well as on line access and testing of the HEIs platform; • WP4: • O4.1: Official project documentation submitted; • O4.2: Viewing content online in HEI platforms; 	<ul style="list-style-type: none"> • O2.5: the risk is related to the extent to which the proposed courses are going to be adapted; if the proposed adaptations would be too extensive, it is possible that during the tasks 4.2, 4.3, 4.4 performance the piloting could not be fully completed; if the proposed adaptations would be minor, the related pilot would not be confirmed; • O2.6: The process and time needed to obtain confirmation from authorised authority. • WP3: • O3.1: Complex procurement procedures in partner countries may result in delays; • O3.2, O3.3: No ext. fact. or cond.; • O3.4, O3.5: weather or other related problems, disabling partners to attend trainings; • O3.6: No ext. fact. or cond.; • WP4: 	<ul style="list-style-type: none"> Partner countries HEIs to define user req. • O2.5: The HEI partners will provide reports in two phases. Initially, the extent of the course adaptation will have to be submitted (draft), after confirmation, they would complete reports; • WP3: • O3.1: in case of prolongation of procurement process for HW, already existing alternatives will have to be found, to perform tasks 3.2, 3.3; if there will be no existing alternatives, then temporary cloud-based alternatives will be found and provided to partner HEIs; • O3.4, O3.5: For partners not being able to attend the workshop, online presence throughout the workshop will be guaranteed, selected lectures will be recorded and made available for subsequent use; • WP4:
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<ul style="list-style-type: none"> • O3.3: DL platf. and smart labs set-up and launch • O3.4: Training of administrators • O3.5: Training of developers • O3.6: Develop. APIs and enhance DL platf. and smart labs • WP4: • O4.1: Training of teach. and staff to prep. content • O4.2: Prep.the teaching content • O4.3: Internal trainings • O4.4: Survey on new teach. process • O4.5: Monitor platform usage • O4.6: Exchange of content • WP5: 	<ul style="list-style-type: none"> • O3.6: Number of enhancements and APIs implemented; • WP4: • O4.1: 2 training days; 12 of training participants • O4.2: 180 of e-content adapted and prepared for pilot delivery • O4.3: 8 trainings performed per institution • O4.4: 1 report • O4.5: 18 progress tracking data exports in agreed format; 6 reports • O4.6: 10 e-content exchanged and used • WP5: • O5.1: 1 report/document • O5.2: 6 PQMC meetings; 6 reports • O5.3: 1 report • O5.4: 2 reports 	<ul style="list-style-type: none"> • O4.3, O4.4, O4.5: Official project documentation submitted; • O4.6: Official project documentation submitted; • WP5: • O5.1: Official project documentation submitted; • O5.2: Minutes of PQMC Meetings (MoM); Official project documentation submitted • O5.3, O5.4: Official project documentation submitted; • O5.5: information from final project report; • WP6: • O6.1: Information from web site and project social networks channels; • O6.2, O6.3, O6.4, O6.5, O6.6: information from official project related documentation; • WP7: 	<ul style="list-style-type: none"> • O4.1: weather or other related problems, disabling partners to attend trainings; • O4.2, O4.3, O4.4, O4.5: No ext. fact. or cond.; • O4.6: e-content related problems with incompatibility or language barriers; • WP5: • In all WP5 activities no external factors or conditions were identified. • WP6: • In all WP6 activities no external factors or conditions were identified. • WP7: • O7.2: lack of interest on behalf of industry, enterprises, state authority, etc to sign a long-term agreement; • O7.1, O7.3: No ext. fact. or cond. identified • WP8: 	<ul style="list-style-type: none"> • O4.1: Online presence for absent partners, selected recorded lectures for subsequent use; • O4.6: Fostering networking between partner countries HEIs and programme countries HEIs; Assisting in search for the content, based on the subject matter areas of partner countries HEIs; • WP6: • O6.1: There is a risk of insufficient activity of the project partners in relation to publications/posts on the project social network channels. Risk will be mitigated by performing a awareness raising lecture/presentation about importance of project presence on the social networks. • WP7: • O7.2: The risk will be mitigated by project consortium intervention; Project partners with challenges in signing long term agreements will be supported with additional material, and consulting related to value proposing; • WP8:
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<ul style="list-style-type: none"> • O5.1: Quality Control Plan • O5.2: Internal eval. of the proj.results • O5.3: PQMC meetings • O5.4: Ext. qual. control of ped. approaches and platf. proposals • O5.5: Ext. financial control • WP6: • O6.1: Proj. website • O6.2: Promo. material • O6.3: Dissem. events • O6.4: SMARTEL book • O6.5: Final proj. conference • WP7: • O7.1: Proj. sustainability plan • O7.2: Univ.-org.coop. in Part. countries 	<ul style="list-style-type: none"> • O5.5: 1 reports • WP6: • O6.1: 1 project web site developed; 5 project social network channels established; 5 Social network posts per month; 1 report • O6.2: 1 project poster; 6 project brochures; 1 report • O6.3: 32 dissemination events; 1 report; • O6.4: 3 publications; • O6.5: 1 conference performance; 80 participants • WP7: • O7.1: 1 report; • O7.2: 8 coop. agreements; 1 report • O7.3: 1 multilateral agreements • WP8: 	<ul style="list-style-type: none"> • O7.1, O7.2, O7.3: information from official project related documentation; • WP8: • O8.1, O8.2, O8.3: Minutes of meetings (MoM); in case of virtual meetings, selected parts will also be recorded; • O8.5, O8.6: information from official project related documentation; 	<ul style="list-style-type: none"> • O8.1, O8.2, O8.3: weather or other related problems, disabling partners to attend meetings; • O8.5, O8.6: No ext. fact. or cond. identified; 	<ul style="list-style-type: none"> • O8.1-8.3: In cases when possible, online attendance will be available.
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<ul style="list-style-type: none"> • O7.3: Partner network of institutions • WP8: • O8.1: Kick off meeting • O8.2: PM board meetings • O8.3: SC meetings • O8.5: Project Progress Reports • O8.6: Final Project Report 	<ul style="list-style-type: none"> • O8.1: 1 meeting • O8.2: 10 live meetings; 2 virtual meetings • O8.3: 6 meetings • O8.5: 1report • O8.6: 1 report 			
<p>Activities: <i>What are the key activities to be carried out (grouped in Work packages) and in what sequence in order to produce the expected results?</i></p> <ul style="list-style-type: none"> • WP1: • 1.1: Analysis of existing modern e-learning models at the Programme countries HEIs. • 1.2: Analysis of existing e-learning models at the Partner countries HEIs. 	<p>Inputs: <i>What inputs are required to implement these activities, e.g. staff time, equipment, mobilities, publications etc.?</i></p> <ul style="list-style-type: none"> • Staff costs: 330,078 EUR • EU Cat 1: 45,876 EUR • EU Cat 2: 63,862 EUR • EU Cat 4: 16,784 EUR • PC Cat 1: 54,756 EUR • PC Cat 2: 93,600 EUR • PCCat 3: 28,785 EUR 		<p>Assumptions & risks <i>What pre-conditions are required before the project starts? What conditions outside the project's direct control have to be present for the implementation of the planned activities?</i></p> <ul style="list-style-type: none"> • 1.) Regarding the pre-conditions, it would be appropriate, if the managements of participating partner countries HEIs will be familiar and supportive of the project, since its performance will require interdisciplinary work and support by pedagogues, IT administration, HEI studying offices and decision makers 	<p>How the risks will be mitigated:</p> <ul style="list-style-type: none"> • 1.) Partner countries HEIs participating in the project will be called to present the project, its objectives and its strategic importance to managements of partner countries HEIs, in order to perform “onboarding”; They will be supported in preparing short, powerful messages for the management and to present the project benefits and opportunities in a clear and concise manner. • 2.a) Similar to the mitigation in 1.), onboarding of staff and selected pedagogues will have to

<ul style="list-style-type: none"> • 1.3: Comparative analysis of the e-learning models at Programme and Partner countries HEIs • WP2: • 2.1: Defining the user requirements for distance e-learning platform for each partner's HEI • 2.2: Defining the new methodology to be implemented in teaching using e-learning platform • 2.3: Defining the models of e-learning platform with technical specifications based on user requirements • WP3: • 3.4: Training of e-learning platform administrators to maintain the platform • 3.5: Training of developers how to build interfaces for between 	<ul style="list-style-type: none"> • PC Cat 4: 26.415 • Mobilities: 188.295 EUR • 308 participant • Equipment: 244,100 EUR • Set up of 6 classrooms • 6 modern e-learning platforms installed for 6 PC HEIs • Subcontracting: 71,400 EUR • Printing, Publishing, External financial control, promotional material, teaching materials, translation, set up of laboratories - connecting the equipment 		<p>(rectors, deans, vice deans, etc).</p> <ul style="list-style-type: none"> • 2.) Regarding the implementation of planned activities: • 2.a) partner countries staff will have to be motivated and interested in taking part in project activities; • 2.b) intensive and constant collaboration/communication among project consortium members will desired; 	<p>be performed internally among partner countries HEIs (apart from the kick-off itself);</p> <ul style="list-style-type: none"> • 2.b) During the project performance, a simple and organised virtual environment will be established (as a part of the learning platform) in which communication/collaboration among consortium will be performed regularly.
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<p>different e-learning components</p> <ul style="list-style-type: none"> • 3.6: Enhancing the core e-learning platform • WP4: • 4.1: Training of teachers and staff to prepare content • 4.2: Preparing the teaching content gradually (increasing the number of courses) • 4.5: Organising the survey on new teaching process • WP7: • 7.1: Creation of sustainability plan 				
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