

### 3. LOGICAL FRAMEWORK MATRIX – LFM

<p><b>Wider Objective:</b>  <i>What is the overall broader objective, to which the project will contribute?</i></p> <ul style="list-style-type: none"> <li>• to modernize and harmonize higher education by development of Lifelong learning (LL) system for sustainable agriculture in non-EU Alps-Danube-Adriatic region countries</li> <li>• to enhance networking between EU and Partner countries (non-EU) in Alps-Danube-Adriatic region by promoting LL system as a tool for permanent modernization of higher education</li> </ul>	<p><b>Indicators of progress:</b>  <i>What are the key indicators related to the wider objective?</i></p> <ul style="list-style-type: none"> <li>• increased public awareness and participation, especially of educational policy-makers and businessmen</li> <li>• improved LL system for sustainable agriculture at all partner HEIs</li> </ul>	<p><b>How indicators will be measured:</b>  <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> <li>• number of participants involved in pilot activities</li> <li>• number of policy makers and businessmen involved in project implementation</li> <li>• reports on LL system for sustainable agriculture</li> </ul>	
<p><b>Specific Project Objective/s:</b>  <i>What are the specific objectives, which the project shall achieve?</i></p> <ul style="list-style-type: none"> <li>• to develop the strategy for lifelong learning in sustainable agriculture among partner institutions in order to initiate and develop different models of lifelong learning.</li> <li>• to establish pilot activities of lifelong learning in partner institutions.</li> <li>• to set quality benchmarks and indicators for lifelong learning competences in the field of sustainable agriculture</li> <li>• to develop an appropriate guidance and counselling services</li> </ul>	<p><b>Indicators of progress:</b>  <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"> <li>• Strategies for lifelong learning in agriculture developed</li> <li>• interest of all project partner to implement project activities</li> <li>• examples of standardized educational levels, vocational education standards and specification of qualifications are developed</li> <li>• gap between education and labour market needs decreased</li> <li>• education demands of society and the professional world have been met</li> </ul>	<p><b>How indicators will be measured:</b>  <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"> <li>• published Strategies for lifelong learning in agriculture</li> <li>• number of established LL pilot activities</li> <li>• number of participants applied for LL in pilot activities</li> <li>• number of participants in LL coming from business sector</li> </ul>	<p><b>Assumptions &amp; risks:</b>  <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"> <li>• low interest of authorities, business sector and general public</li> <li>• low interest of partner countries HEI</li> <li>• quality benchmarks and indicators for lifelong learning competences are not adequately set-up</li> <li>• guidance and counselling services are not appropriately developed</li> </ul>

<p><b>Outputs (tangible) and Outcomes (intangible):</b></p> <ul style="list-style-type: none"> <li>• Please provide the list of concrete DELIVERABLES - outputs/outcomes (<u>grouped in Work packages</u>), leading to the specific objective/s.</li> </ul> <ul style="list-style-type: none"> <li>• <b>WP1. Network of working groups and development of working concept</b> <ul style="list-style-type: none"> <li>• D1.1. Working teams set-up and working concept developed</li> <li>• D1.2. Officer for LL, expert career guidance appointed</li> <li>• D1.3. Opening conference and training working agenda</li> </ul> </li> <li>• <b>WP2. Analysis on LL potentials and needs in sustainable agriculture</b> <ul style="list-style-type: none"> <li>• D2.1. Survey on LL potentials</li> <li>• D2.2 Survey on LL needs</li> <li>• D2.3 Report on LL potentials</li> <li>• D2.4 Reports on LL needs</li> <li>• D2.5 Case studies on existing LL</li> <li>• D2.6 Workshop on assessment report</li> </ul> </li> </ul>	<p><b>Indicators of progress:</b>  <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"> <li>• <b>Working groups established</b>  5 Working groups established (WG 1 – 5)  Deadline: 2014-01-31</li> <li>• <b>Working concept developed</b>  1 Project methodology  Deadline: 2014-01-31</li> <li>• <b>Working agenda on Opening conference accepted by all participants</b>  1 Kick off meeting programme  Deadline: 2014-03-31</li> <li>• <b>Documents on surveying</b>  4 Questionnaire created  Questionnaire on the needs_high_schools  Questionnaire on the needs_producers  Questionnaire on the needs_public_state_administration  Questionnaire / Interview on potentials  Deadline: 2014-08-31</li> <li>• <b>Report on LL potentials created</b>  11 Reports (1 per each HEI) based on at least 10 filled questionnaires per institution  Deadline: 2015-02-28</li> <li>• <b>Report on LL needs created</b>  5 Reports (BA, AL, XK, ME, HR) based on at least 200 filled questionnaires per country (100 producers, 70 high school teachers, 30 public administration)  Deadline: 2015-02-28</li> <li>• <b>Case studies conducted</b>  4 Reports (UNIOS, BOKU, UHOH, UL)  example of bad practice, example of good practice  Deadline: 2015-02-28</li> </ul>	<p><b>How indicators will be measured:</b>  <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> <li>• Number of participants on Opening conference</li> <li>• Number of Reports on LL potentials</li> <li>• Number of Reports on LL needs</li> <li>• Number of Case studies</li> <li>• Number of participants on workshop on assessment</li> <li>• Number of participants on round table</li> <li>• Number of National strategies</li> <li>• Number of teachers trained</li> <li>• Number of advisory boards</li> <li>• Number of pilot activities established</li> <li>• Number of students trained</li> <li>• Number of Reports on conducted questionnaire</li> <li>• Number of participants on Conference</li> <li>• Improvement of educational standards</li> <li>• Number of visits of project's website and Facebook profile</li> <li>• Number of published material</li> <li>• Number of panels and participants on Career guidance panels</li> <li>• List of equipment procured</li> </ul>	<p><b>Assumptions &amp; risks:</b>  <i>What external factors and conditions must be realised to obtain the expected outcomes and results on schedule?</i></p> <p>ASSUMPTIONS:</p> <ul style="list-style-type: none"> <li>- high interest and commitment of all partners involved – teachers, students, faculty management</li> <li>- project working concept equally accepted by all partners</li> <li>- qualified staff for creation of questionnaires</li> <li>- appropriate interest of business and community sector and Alumni</li> <li>- well developed LL system at the EU partners</li> <li>- high interest and commitment of all partners involved</li> <li>- all project activities are successfully completed</li> <li>- proactive involvement of enterprises in development of LL curricula</li> <li>- efficacy of partner universities' identification of training needs for LL methodology and skills</li> <li>- partner agreement for definition of pilot activities and on-line courses</li> <li>- novel teaching methodologies introduced into the vocational education system</li> <li>- improvement of the existing educational standards</li> <li>- appropriate dissemination and communication structures among all partner</li> <li>- appropriate selection of the specific</li> </ul>
--	--	---	--

<ul style="list-style-type: none"> <li>• <b>WP3. Harmonization of Lifelong Learning (LL) system</b></li> <li>• D3.1 Round table on Regional Guidelines</li> <li>• D3.2 Regional Guidelines developed</li> <li>• D3.3 Strategies on LL for Sustainable Agriculture</li>   <li>• <b>WP4. Development of Lifelong Learning pilot activities for Sustainable Agriculture</b></li> <li>• D4.1 Identifying training needs for LL</li> <li>• D4.2 Training on adult educational methods for LL</li> <li>• D4.3 Advisory board agreement</li> <li>• D4.4 Pilot activities curriculum developed and approved</li>   <li>• <b>WP5. Implementation of pilot activities and on-line courses</b></li> <li>• D5.1 Pilot activities conducted</li> <li>• D5.2 Participants questionnaire conducted</li> <li>• D5.3 Conference - improvement of educational standards</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Working agenda on workshop on assessment accepted by all participants</b> 1 Working agenda - Workshop in Sarajevo Deadline: 2015-03-31</li> <li>• <b>Working agenda on round table accepted by all participants</b> 1 Working agenda - Conference in Podgorica Deadline: 2015-05-31</li> <li>• <b>Regional Guidelines published</b> 1 Regional Guidelines (BA, AL, XK, ME, HR) 1.200 copies Deadline: 2015-06-30</li> <li>• <b>National strategies published</b> 5 National strategies (BA, AL, XK, ME, HR) 2.000 copies Deadline: 2015-09-30</li>   <li>• <b>Training of teachers curriculum</b> 3 Training of teachers (40 people x 3 days) Training at BOKU, UHOH and UL Deadline: 2015-08-31</li> <li>• <b>Advisory board agreement signed</b> 5 agreements signed (1 per each non EU country) Deadline: 2015-05-31</li> <li>• <b>Curriculum of each pilot activity</b> 11 Curriculums of each pilot activity Deadline: 2015-09-30</li>   <li>• <b>Pilot activities conducted</b> 11 Pilot activities conducted (all HEI) Deadline: 2016-09-30</li> <li>• <b>Report on conducted Pilot activities questionnaires</b> 11 Reports on questionnaires related to pilot activities (all HEI) Deadline: 2016-09-30</li> <li>• <b>Working agenda on Conference – Improvement of educational standards accepted by all partners</b> 1 Working agenda - conference in Tirana Deadline: 2016-11-30</li> </ul>		<p>media</p> <ul style="list-style-type: none"> <li>- appropriate interest of all partners and partner institutions.</li> <li>- public interest</li>   <li>- constant collection of information about the status of each activity among all partners in order to verify the status of the activity, and progress of its elements</li> <li>- institutional support</li>   <li>- responsibility and willingness of all the partners for the achievement of the objectives;</li> <li>- constant exchange of information about the status of the activities between partners</li> <li>- institutional support from partner Universities</li>   <p><b>RISKS</b></p> <ul style="list-style-type: none"> <li>- different level of motivation of key staff</li> <li>- low interest of appointed expert and officer</li> <li>- lack of active participation at the opening conference and training</li>   <li>- quality of designed questionnaires</li> <li>- differences in regional/local approach (different expectations)</li> <li>- uneven response at regional level (of businesspeople)</li>   <li>- different evaluation system and accreditation procedures among partners</li> <li>- no general acceptable solution on common methodological framework</li> <li>- low interest of authorities</li> </ul> </ul>
--	---	--	---

<ul style="list-style-type: none"> <li>• <b>WP6. Dissemination</b></li> <li>• D6.1 Project's website and Facebook profile</li> <li>• D6.2 Dissemination through project assembles</li> <li>• D6.3 Career guidance panels</li>   <li>• <b>WP7. Quality control and monitoring</b></li> <li>• D7.1 Evaluation Board established</li> <li>• D7.2 Monitoring of general process</li> <li>• D7.3 Monitoring of pilot activities</li>   <li>• <b>WP8. Project management</b></li> <li>• D8.1 Project management Committee established</li> <li>• D8.2 Project administration</li> <li>• D8.3 Procurement of equipment</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Project's website and Facebook profile created and active</b></li> <li>1 Web page active</li> <li>1 FB profile active</li> <li>Deadline: 2016-12-31</li> <li>• <b>Project material published</b></li> <li>1 Leaflet on project activates (1.100 copies)</li> <li>1 Regional guidelines on LL strategies (2.200 copies)</li> <li>5 National strategies on LL (2.200 copies)</li> <li>11 Leaflets on pilot activities (1.100 copies)</li> <li>11 Intermediate reports</li> <li>11 Final reports</li> <li>11 Banners</li> <li>11 Posters</li> <li>1 Facebook profile</li> <li>1 Web page</li> <li>Deadline: 2016-11-30</li> <li>• <b>Working agenda on Career guidance panels</b></li> <li>8 Working agendas on Career guidance (non EU HEI + UNIZG, UNIOS)</li> <li>Deadline: 2016-10-31</li>   <li>• <b>Report on monitoring of general process</b></li> <li>2 Reports on monitoring of general process</li> <li>Deadline1: 2015-05-31</li> <li>Deadline2: 2016-11-30</li> <li>• <b>Report on monitoring of pilot activities</b></li> <li>2 Reports on monitoring of pilot activities</li> <li>Deadline1: 2015-09-30</li> <li>Deadline2: 2016-11-30</li>   <li>• <b>Interim report and Final Reports created</b></li> <li>1 Interim report, Deadline: June 1, 2015</li> <li>1 Final Report, Deadline: January 31, 2017</li> <li>• <b>Equipment procured</b></li> <li>60 PC, 12 LCD, 12 scanners, 12 printers, 6 smart boards (equipment) procured – if list of equipment will not be modified in the mean time</li> <li>Deadline: 2014-06-30</li> </ul>		<ul style="list-style-type: none"> <li>- lack of involvement of enterprises or HEIs' management</li> <li>-problems related to LL curricula recognition at University</li>   <li>- difficulties in reaching an agreement due to different vocational education needs</li> <li>- negative feedback of education providers for implementing new teaching methodologies</li>   <li>- lack of respect of the agreement by the media</li> <li>- lack of involvement of the stakeholders</li> <li>- insufficient visibility of the project and its results</li>   <li>- delays in collecting data and, consequently, in individuating the critical aspects connected with the status of the project, leading to a weak efficiency in the resolution of the problems</li>   <li>- difficulties in the communication among the partners</li> <li>- delays on the foreseen timetable of the activities due to local National regulations and rules</li> </ul>
--	--	--	---

<p><b>Activities:</b>  <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"> <li>• <b>WP1. Network of working groups and development of working concept</b></li> <li>• A1.1. Setting-up of working groups and development of working concept</li> <li>• A1.2. Appointment of the expert and officer for LL and career guidance at each HEI</li> <li>• A1.3. Opening conference, Zagreb</li> <li>• <b>WP2. Analysis on LL potentials and needs in sustainable agriculture</b></li> <li>• A2.1 Creation of questionnaire and surveying on LL at each partner countries HEI</li> <li>• A2.2 Mapping of status and needs of LL at each HEI</li> <li>• A2.3 Analysis of the labour market needs in the field of agriculture</li> <li>• A2.4 Creation of Reports on LL potentials in partner countries</li> <li>• A2.5 Creation of Reports on LL needs in partner countries</li> <li>• A2.6 Developing of Case studies on LL activities</li> <li>• A2.7 Workshop on assessment, Sarajevo</li> <li>• <b>WP3. Harmonization of Lifelong Learning (LL) system</b></li> <li>• A3.1 Round table on regional guidelines, Podgorica</li> <li>• A3.2 Developing of guidelines at regional level</li> <li>• A3.3 Forming of national teams for development of national strategies</li> <li>• A3.4 Meetings on national level</li> <li>• <b>WP4. Development of Lifelong Learning pilot activities for Sustainable Agriculture</b></li> </ul>	<p><b>Inputs:</b>  <i>What inputs are required to implement these activities, e.g. staff time, equipment, motilities, publications etc.?</i></p> <ul style="list-style-type: none"> <li>• <b>Staff cost</b> 426.926,00 € covers salaries for 55 scientists involved in project activities, 2 administrative staff already employed at HEIs and one administrative staff employed for full time;</li> <li>• <b>Travel costs</b> of 483.492,00 € covers travel expenses for teaching staff and student mobility</li> <li>• <b>Teaching staff:</b> partner countries -129 visits (total 352 days) in EU countries and 125 visits (249 days) in other partner countries.  EU countries-84 travels (252 days) to partner countries and 60 travels (164 days) to other EU countries.</li> <li>• <b>Students mobility:</b> partner countries 36 visits (total duration of 918 days) to EU countries and 60 visits (total duration of 990 days) to other partner countries.  EU countries will conduct 60 visits (total duration of 990 days) to partner countries and 24 visits (612 days) to other EU countries.</li> <li>• <b>Equipment:</b> 100.800,00 €: computers, printers, smart boards, LCD projectors.</li> <li>• <b>Printing and publishing:</b> 36.500,00 € for printing material, leaflets etc.</li> <li>• <b>Other costs:</b> 31.840,00 € for material for conferences, creation of web page, etc.</li> <li>• <b>Indirect cost:</b> 75.569,06 €</li> </ul>	<p><b>Sources of verification:</b>  regular internal reports, project accounting, reports of financial audit</p>	<p><b>Assumptions, risks and pre-conditions:</b>  <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> <p>Assumptions:</p> <ul style="list-style-type: none"> <li>• high interest and commitment of all partners involved – teachers, students, faculty management, employers, policy-makers and enterprises</li> <li>• Positive orientation of applicant and partner institutions toward LL;</li> <li>• Positive politics by Minsitry Science and Education related to developing LL;</li> <li>• Government politics and supporting of LL processes</li> </ul> <p>Risks</p> <ul style="list-style-type: none"> <li>• contradictory attitudes toward project objectives of teachers, students, employers and policy-makers and enterprises</li> <li>• teachers' willingness to put additional effort in new tasks</li> <li>• different level of engagement of partners</li> </ul>
---	--	--	---

<ul style="list-style-type: none"> <li>• A4.1 Panel discussion and creation of priority training needs for LL</li> <li>• A4.2 Training of teachers on novel methods for teaching in LL</li> <li>• A4.3 Forming of advisory boards</li> <li>• A4.4 Signing a memorandum of understanding</li> <li>• A4.5 Defining pilot activities</li> <li>• A4.6 National meetings of teaching staff and advisory board</li> <li>• A4.7 Designing courses' curricula</li> <li>• <b>WP5. Implementation of pilot activities and on-line courses</b></li> <li>• A5.1 Implementation of pilot activities</li> <li>• A5.2 Measuring the quality of conducted pilot activities</li> <li>• A5.3 Conference on ways of improvement of already developed strategies on LL, Osijek</li> <li>• <b>WP6. Dissemination</b></li> <li>• A6.1 Creating Project's website and Facebook profile</li> <li>• A6.2 Dissemination through project assembles</li> <li>• A6.3 Career guidance panels</li> <li>• <b>WP7. Quality control and monitoring</b></li> <li>• A7.1 Establishing Evaluation Board</li> <li>• A7.2 Monitoring of general process</li> <li>• A7.3 Monitoring of pilot activities</li> <li>• <b>WP8. Project management</b></li> <li>• A8.1 Establishing Project management committee</li> <li>• A8.2 Project administration</li> <li>• A8.3 Procuring equipment</li> </ul>			
---	--	--	--