

Work package type and ref.nr	DEVELOPMENT	2
Title	Institutionalization and approbation of the BSc and MSc programs in RF, Armenia and Iran universities	
Related assumptions and risks	<p>Assumptions</p> <ul style="list-style-type: none"> • High interest of Ministry of Education and Science RF, Armenia, Iran and of partner Universities in the project objectives. • Adequate competence and active involvement of academic and administrative staff of the partner Universities • No delay in money transfer. • Effective communication and cooperation among partner institutions. <p>Risks:</p> <ul style="list-style-type: none"> • Exchange rate of the euro could be change dramatically • Weak cooperation among partner institutions • Problems in money transfer with a consequent delay in activity implementation (timely reporting and good financial strategy) • Problems arising from possible different organizations, procedures and practices in Higher Education between European and Russian partners of the project. (The existing trustful cooperation should prevent delays or refusals) 	
Description	<p>Academic staff re-trained in EU universities. 32 academic staff selected, may require intensive language training - 40 working days (plus 20 days co-financing) and 14 days of training work in EU countries. To organize competitive selection of academic staff from partner countries for training in EU universities it is planned to use such criteria as professional qualification level, active participation in university academic activity, good knowledge of one or two foreign languages, mastering of information technologies and personal participation in the project work. The teachers at EU universities will develop a plan of training, based on 20 days for each and 5 days - co-financing.</p> <p>Re-trained teachers will work out 16 new and updated courses. Additionally, several existing courses will be renewed and adapted for training process, and in order to build fixed personal and interpersonal competences of the students. Methodical training books/syllabuses will be prepared and published.</p> <p>The preparation of these courses will be led by experienced supervisors from EU universities through videoconferencing. Probably some textbooks will be prepared jointly by teachers from the EU, RF, Armenia and Iran. A concise glossary of terms in the field of Sustainability for Architectural Heritage in English, Russian, Armenian and Farsi/Persian languages will be prepared, thus enhancing the quality of these training materials.</p> <p>For practical implementation of the new curriculum it is planned to create a special network infrastructure - Network of Multidisciplinary centres for "Sustainability for Architectural Heritage" (NSAH) and equip it with video conferencing. It will help to enrich the education process with on-line broadcast of lectures, made by leading professors from universities in the EU. Member universities of the consortia will purchase special software (BIM software, 3D scanner and other) to equip these centres. An interactive platform of education, science, production and authorities will be introduced on the basis of NSAH and presented on the project's Web-portal - Multidisciplinary Shared Virtual Space "Sustainability for Architectural Heritage". 18 NSAH staff (2 in each partner university) will be carefully selected and trained in the universities of the EU.</p>	

	<p>Their duties will be to coordinate the work of NSAH and develop a business plan for sustainable development of the network after the completion of the project, supervise the work of the student service for interaction with enterprises in each centre.</p> <p>It is very important that the NSAH network will be connected to other major networks owned by P2, P12. This will allow the exchange of information and the interaction of the universities with industrial enterprises. This will ensure the stable development of the centres after the project.</p> <p>For testing of the developed curricula and courses in the third year of the project 100 students of advanced courses will be trained in RF, Armenian and Iranian universities. Training is organized on the basis of the partner universities for students of diverse departments. For approbation of both new and adapted courses, during one academic year, special groups consisting of 9-12 students will be selected by each partner university. These will be bachelor students of the 3-4 years of study or Master's students in their first year of study in architecture and restoration specialties. Requirements for students' selection are as follows: good knowledge of English, creativity and innovative thinking and thorough knowledge of fundamentals in architecture. At each university a special commission from teachers (3-4 staff) will be created to interview the students.</p> <p>Courses will be integrated partly or fully into the current curricula of all the partner universities. Those courses, which were developed by the project will be obligatory tested. Guest teachers from EU universities and enterprises will present lectures via the video-conference (16 video-conference classes by staff from EU universities).</p> <p>International student teams are working with real-case projects. Partner universities have no experience in organization of international student</p>
	<p>teams, so EU supervising will be provided. At a special seminar (P3) a panel of experts will select 3 project tasks for a large course project and 3 international student teams will be formed for the project-work (6-8 students in the team). Two supervisors will be assigned for each team (one from EU University and the other from the partner university). Supervisors from EU universities will be consulted on-line using the platform of the NSAH centres.</p> <p>In the first semester of the final project year, an international students' workshop for preparation their projects will be organized (P2).</p> <p>At FIC students will present their projects to the participants of the Conference. As a result of the projects' presentations, students will receive a special certificate.</p> <p>Feedback from students and supervisors will be placed on the Web-portal to illuminate challenges and experiences of international project-work education.</p>
<p>Tasks</p>	<ol style="list-style-type: none"> 1) 32 academic staff will be re-trained in EU universities. 2) A set of courses and training materials. 3) 16 course books will be compiled and e-published, 1 guidebook with, 2 guidebooks (students handbooks) with methodical materials and recommendations for students (for BSc and MSc), 1 glossary of terms in the field of Sustainability for Architectural Heritage in English, Russian, Armenian and Persian languages. 4) Creation of the network of Multidisciplinary centers "Sustainability for Architectural Heritage" (NSAH). Training 24 staff for work at NSAH centers at P2. 5) Training of staff from PU for project methodology and team approach for

	<p>international students' project work at P3 .</p> <p>6) Students' trainings are organized in partner universities. Guest teachers from EU universities present lectures via the video-conference.</p> <p>7) Seminar (P4) for selection of student's projects. International student teams have been formed and are working with real-case projects under the supervision of EU, Armenian and Iranian teachers and engineers from industry.</p> <p>8) International students' workshop at P3</p>		
Estimated Start Date (dd-mm-yyyy)	01-06-1st year	Estimated End Date (dd-mm-yyyy)	30-10-3d year
Lead Organisation	P3, P5		
Participating Organisation	All consortium partners (P1-P12)		
Costs <i>Please explain the necessary costs for this WP: What travels are necessary? If equipment is requested, explain why it is required. If subcontracting is necessary, explain why the task cannot be performed by the partner.</i>	<p>Will be needed:</p> <p>Staff costs 136.214EUR for trainings and modules/curricula development</p> <p>Travel costs 37.675EUR for training trips in EU</p> <p>Costs of stay 46.320EUR for staying in EU</p> <p>Equipment 248.000 EUR for SAH Centres at Partner Universities</p> <p>Subcontracting 20.000EUR for design and publishing teaching/learning materials and external experts participation</p>		