



Università degli Studi dell'Aquila



Co-funded by the  
Erasmus+ Programme  
of the European Union

Madrid (Spain), 4<sup>th</sup> – 5<sup>th</sup> December 2018

**Modernization of the Curricula  
in sphere of smart building  
engineering - Green Building  
(GREB)**

**Students involvement**

**574049-EPP-1-2016-1-IT-EPPKA2-CBHE-JP**

## **WP2 – DEVELOPMENT**

**Institutionalization and approbation of the BA and MA programs in RF, UZ and MN universities**

### **3 Activities:**

**2.1 Creation of the network of Multidisciplinary centres “Green Building” (NGB)**

**2.2 Students trainings are organized in RF, UZ and MN**

**2.3 International student teams are working with real-case projects**

**Responsible partner(s): UPM, SUAS, OMSU, TUIT and NUM**

**When: M7 to M34**

## 2.2 Students trainings in RF, UZ and MN

*RF, UZ and MN partners  
Feb 2018 – Feb 2019*

**Students trainings** are organized in RF, MN and UZ. Lectures via the video-conference by EU professors

**RF, UZ, MN: Work 40 days for each P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16 (+16 days cofinancing)**

**EU: Work 20 days for each P1,2,3,4, 5 (lectures by video conferences)**

## **2.3 International student teams are working with real-case projects**

**Seminar N4 for selection of student's projects.**

*Stockholm, Spring 2019*

**International student teams develop projects under the guidance of supervisors of EU, RF, MN and UZ teachers**

*RF, UZ and MN partners, March – Jun 2019*

**Mobility: 30 flows, 2 staff, 4 days for each**

**RF, UZ, MN: Work 16 days for each P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16 (+8 days cofinancing)**

**EU: Work 10 days for each P1,2,3,4, 5 (supervision by video conferences)**

# Outputs (tangible) and Outcomes (intangible)

## WP-2 Development

### **2.2. Students trainings are organized in partner universities. Guest teachers from EU universities have read lectures via the video-conference**

- Student evaluation sheet (at least for 100 students)
- 18 presentations of guest lectures are placed on the WEB-portal

### **2.3. International student teams have been formed and are working with real-case projects**

- 9 requirement specifications for design projects, which have been agreed by all participants
- 9 student team reports about the project fulfilment
- Feedbacks from students and supervisors are placed on the Web-portal

## 2.2 Students trainings

For testing of the developed curricula and courses in the 3-d year of the project 100 students of senior courses will be trained in RF, UZ and MN 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 1 academic year the special groups consisting of 10-15 students will be selected in each partner university. These will be bachelor students of the 3-4 years of study or Master's students of the 1-st year of study in civil engineering or ICT specialties. Requirements for students selection are as follows: good knowledge of English, creativity and irregularity of thinking, thorough knowledge of fundamentals in engineering (mathematics, physics, chemistry, IT, electrical engineering, electronics). At each university the special commission from teachers (3-4 staff) will be created. They will have interviews with students.

Courses will be integrated partly or fully into the current curricula of all universities. Those courses, which were elaborated by given university will be obligatory tested in regularly education process by this university. It means that no one course will be missed.

Guest teachers from EU universities and enterprises have read lectures via the video-conference. They had 2-3 video-conferences classes by staff from EU universities.

## 2.2 Students trainings

### PC HEI

- Creation of the special commission (3-4 staff)
- Selection of students (10-15, total should be 100)
- List of courses and students per each course

### EU Partners

- List of possible lectures (to be organized via video-conference)

### DEFINITION OF DEADLINES

## 2.3 International student teams

Partners universities have no experience in organization of international student teams, that's why EU supervising will be provided.

At a special seminar (P2) panel of experts 9 project tasks for diploma projects or a large course project on senior year will be selected and 9 international student teams will be formed for the project-work (4-6 students in the team).

2 supervisors will be assigned for each team (one - from EU University and the other from the partner university). Supervisors from EU universities will consult on-line on base of the NGB centers.

At the end of the semester, students will present their projects to the Commission in on-line mode. The commission will include representatives of the EU and the university partner universities (3-5 teachers). As a result of the project defend, students will receive a special certificate.

Feedbacks from students and supervisors will be placed on the Web-portal for illuminate challenges and experience of international project-work education.



## 2.3 International student teams

Decision regarding the seminar (in Stockholm)

Definition of the 9 project tasks for diploma projects or a large course project

Definition of 9 international student teams (4-6 students in the team)

Selection of 2 supervisors for each team (one EU, one from partner university)

Creation of a special commission (3-5 teachers)

DEFINITION OF DEADLINES

## Steps (as agreed in Madrid – Dec. 2018)

January	set of students teams in PI (3-4 per PI, 3-4 year of BSc or MSc)
February	Choose 5 topics
March	Start of the joint work (online)
2-3 April	Stockholm meeting to discuss the progress of the students work
May	Completion of the joint work
June	Final discussion at the SC in Mongolia
September	Official presentation at Final Conference



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# Thank you very much!

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