



### *A reminder of the project and its objectives:*

The Erasmus + project "Professional Bachelor degrees in Open and Distance Learning for Energy and Environmental Performance of Buildings in Russian Federation, China and Azerbaijan" promotes cooperation for innovation and the exchange of good practice in higher education.

The three partners and recipients of the project, namely the Russian Federation, China and Azerbaijan, must take measures to rethink the energy efficiency of their buildings. Policies to combat global warming, the mobilization of renewable energies and energy efficiency are major challenges for these countries and necessary for the sustainable construction of a market and the adaptation of human resources to the energy transition.

This project is part of the European policy that incorporates the energy efficiency of buildings as a solution in its Green Paper as well as in the renovation of training courses in line with the Bologna process.

The project will make it possible to compensate for the lack of qualification on the intermediate levels by improving the employability of the students and by perfecting the executives of the companies.

It will also help to accompany a profound change in professional practices through the deployment of a complete modular system covering all the needs of initial and continuing training in the building trades impacted by the Energy Transition and accessible in FOAD from digital resources.

It will also make it possible to professionalize curricula in the fields of climate engineering and energy in conformity with the Bologna process and the European Qualifications Framework (EQF).

It is therefore a matter of creating a professional license (accessible in long distance learning) for the energy and environmental performance of buildings; to train 25 professors in Europe; to create a pole of excellence resource center for energy performance; to train on the new curriculum at least 160 students in each of the regions; to create a modular system of long-life learning program, which is cross-cutting to the building trades for energy performance and to train 50 professionals in each of the regions

### *Le partenariat :*

- ❖ CNAM, le Conservatoire national des arts et métiers, promoteur du projet, France
- ❖ AGCNAM, l'Association de Gestion du Conservatoire national des arts et métiers de Rhône-Alpes, France
- ❖ GIP FIPAG, Groupement d'intérêt public formation et insertion professionnel de l'académie de Grenoble, coordinateur pédagogique, France
- ❖ Tsentar za Razvitie I Vnedryavane na Evropeiski Praktiki Ltd, évaluateur, Bulgarie
- ❖ UNINETTUNO, Université Télématique Internationale, Italie
- ❖ USE, Universidad de Sevilla, Espagne
- ❖ HTWK, Hochschule für Technik, Wirtschaft und Kultur Leipzig, Allemagne
- ❖ POLITO, Politecnico Di Torino, Italie
- ❖ UNIPV, Università Degli Studi Di Pavia, Italie
- ❖ Azerbaijan Technical University, UTA
- ❖ Azerbaijan University of Architecture and Construction, AzUAC
- ❖ Sumgayit State University, SumSU
- ❖ Ministry of Education of the Azerbaijan Republic (MEA)
- ❖ Harbin Institute of Technology, HIT
- ❖ Dalian University of Technology, DUT
- ❖ North-Eastern Federal University in Yakutsk, NEFU
- ❖ Siberian Transport University of Railway Engineering, SGUPS
- ❖ Tuvan State University, TuvSU
- ❖ Irkutsk State Technical University, ISTU
- ❖ Far Eastern Federal University, FEFU

## *Achievements after 24 work months:*

1. The first student promotions have entered the LPEB curriculum in all partner countries in September and October 2017.

2. The first students are taught face-to-face. The contents of the modules of the LPEB curriculum are being digitized and recorded in the various partner universities of the project, as well as at the European partner in charge of the distance learning education, the University of Uninettuno.

To this end, new activities for teacher mobility were foreseen in the project, in order to respond as closely as possible to the needs identified in the field. All the partner universities have been offered the opportunity to carry out a one-week distance learning course in Rome at Uninettuno in order to make recordings is to acquire a method specific to this teaching methodology.

The LPEB License will be available at distance learning for the second class of students in September 2018.

3. The project teams are currently working on the production of modular continuing training schemes that will be offered in each region to professionals. The project provides for training by the beginning of 2018 of 50 professionals by region in the construction sector.

4. The GPI n° 3, which must validate all of these productions, but also ensure that quality control and dissemination events are properly carried out, will meet in Baku from 19 to 23 February 2018.

## *Dissemination actions:*

The project website: <http://lpeb-erasmus.eu/>

**Dissemination workshops:** Dissemination workshops are aimed at all faculties and universities in the region who do not participate directly in the project in order to present the latter, its objectives and results.

**Transfer training:** Transfer training is for the entire faculty outside the project. They are carried out by the professors of the partner universities who have undergone a refresher course in Europe and who pass on the methodology for the renovation of university courses in line with the Bologna process and the CEC.

**The inauguration of the center of excellence:** centers of excellence are spaces dedicated to the results of the project as well as to the equipment financed by the project.

**The Final Dissemination Seminar and the Energy Efficiency Forum for Buildings:** They will take place at the end of the project in September 2018.

