

UNIVERSITY OF PRISHTINA "HASAN PRISHTINA"

FACULTY OF CIVIL ENGINEERING AND ARCHITECTURE

PROJECT -ONGOING –start 2019 -2022

Type of Project: ERASMUS + PROGRAMME-KEY ACTION 2-CAPACITY BUILDING IN HIGHER EDUCATIONS : cofound by- Erasmus + Programme of EU

Code: **610483-EPP-1-2019-1-AL-EPPKA2-CBHE-JP**

Name of Project: **HIGHER EDUCATION-ENTERPRISE PLATFORM FOR FOSTERING, MODERNIZATION AND SUSTAINABLE GROWTH IN NATURAL STONE INDUSTRY IN WESTERN BALKANS-BKSTONE**

Coordinator of Project: Prof.dr.Naser Kabashi
Assistent of coordiantor: prof.ass.dr.Teuta Jashari

Webpage: <https://bkstoneproject.com/>

Partners in Project:

Polytechnic University of Tirana	(AL)
Asociacion Empresarial de Investigacion Centro Tecnologico del Marmol	(ES)
IES Ribeira do Louro	(ES)
Sapienza University of Rome	(IT)
Universidade de Coruna (UDC)	(ES)
Scuola Edile Padova – CPT centro per la formazione e la sicurezza edile di Padova	(IT)
National Technical University of Athens (NTUA)	(GR)
Universitatea Transilvania din Brasov (UNITBV)	(RO)
University Aleksander Xhuvani of Elbasan	(AL)
University Eqrem Çabej of Gjirokastra	(AL)
University of Sarajevo (UNSA)	(BiH)
University of Motar (SUM)	(BiH)
University Mediterranean Podgorica (UNIM)	(MNG)
University of Prishtina "Hasna Prishtina"(UP)	(KS)
Kolegji per Biznes dhe Teknologji (UBT)	(KS)

Objectives of the Project:

This project addresses the needs of Balkan countries in terms of education related to the use of a natural resource as the stone, which is quite important for the development of the economy in the Mediterranean countries

In the quarrying of the stone, the lack of prepared hands-on engineers in this area makes that the local companies face a lot of problems to compete in the international markets: high extraction prices because of old machinery and techniques, lack of quality in the products (excessive use of explosives that finally produce the braking in the molecules, what makes the stone to easily split when placed in the final destination, or when workers are placing it, what brings not only quality problems, but also security problems for the workers themselves), high number of accidents in the quarry due to the high use of ht explosives, instead of modern machinery based in the diamond wire; important environment impact in the quarry (dust, mud, etc.).

BKSTONE project has the main objective of fostering the modernization and development of the stone sector in Western Balkans partner countries through strengthening the relationship between the higher education institutions and the industry, and internationalizing curriculum and methods. To meet the requirements of current international demand of natural stone products according to EU standards, the partner countries industry has to perform important changes in quarrying methods, processing methods, quality controls following European and international standards (p.e. CE marking, ASTM, etc.), marketing strategies, international trade, e-commerce etc. These changes require the participation of all local agents, including the Higher Education Institutions (HEI) and Vocational Education and Training (VET) organizations, which should develop their training strategies to meet the challenges explained in the rationale of our project in terms of quality, delivery and especially relevance, in response to the industry needs.

Specific Objectives

- Use of natural resources as the stone, which is quite important for the development of the economy in Balkan Countries.
- Improve the manufacturing of the stone, through the trainings of staff and testing the stone in laboratory
- To improve between Higher Educations and Industry
- Education related to the restoration of the historical buildings, many of them built using stone
- Create the network for Industry of stone in Balkan Area

Targeted Beneficiaries

- Academic staff and involve in HEI, to create the benefits in development the courses and implementation in practice together with stone companies.
- Stone Companies , including : mining; processing and trade companies
- Students through the internship or professional trainings
- Constructions companies ,related with stone applications
In structures (Architecture, engineering, etc)

Work packages

- **Preparation**

This work package is focused mainly on contrasting existing initiatives and working methods between HEI and VET organizations in partner and programme countries. The purpose is to benchmark those initiatives and methods that have demonstrated to be successful to train professionals and increase employability for the stone sector. The benchmarking process will focus on:

- a) working methods and advanced techniques;
- b) key competences needed by the industry at all levels of the value chain;
- c) specific features of the industry in the partner countries, including technological machinery issues and marketing issues.

The outputs of the bench-marking process will feed the development of the contents of the different courses to be implemented in BKSTONE project and to serve as a valuable input to raise capacities in the HEIs of Western Balkans.

Furthermore, the outputs of this work package are expected to have a positive impact on the strategy for fostering relationship between HEIs and the stone industry of the partner countries.

- **Development**

Implementation of learning content and resources for improving education in natural stone sector.

Phase 1. Design of the materials for University HEIs.

Phase 2. Design of the materials for tertiary VET level

Phase 3. Consultation process at national level in each partner countries

Phase 4. Production phase

Phase 5. Teachers training programmes.

Phase 6. Testing and implementation of improvements phase.

Progress to date

- Kick off meeting-17-18 February 2020
- Online meeting 01.04.2020

- Online Meeting -25.06.2020
EQUIPMENT-preparing the needs and type for each partner
- Online meeting 10.07.2020
Approval the proposal for Equipments and prepared the list for final approval
- Online meeting 11.09.2020
Questionnaires and methodology
- Online meeting 05.10.2020
Report after survey the companies involve in Stone Industry
- Online meeting 11.03.2021
Aggregate report –National Level
- Online meeting 12.05.2021
Approval the national aggregate reports and list of equipments
- Online meeting 17.06.2021
Preparing and orientations for teaching materials
- Online meeting 05.07.2021
Mid term –Technical and financial report
- Tendering procedure developed for approval Equipments

Documents and photos during the realizations the project:



Kick off Meeting-February 2020



Visit the Companies –Stone Industry



Stone Company-Source: Village Zatriq



Equipment-lot 1



Equipment –Llot 2

Prishtine, 25.11.2021 Prepared by :

Prof.dr.Naser Kabashi,
coordinator of project