

BKSTONE

**Higher Education–Enterprise platform for fostering,
modernization and sustainable growth in natural
stone industry in Western Balkans**

Work Package 2 – Development

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

Focused

- Contrasting existing initiatives and working methods between **HEI and VET organisations** and the **stone industry**

Purpose

- To benchmark successful initiatives and methods to train professionals and increase employability for the stone sector

Focus on

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

Lead Organisation

- Marble, Natural Stone And Materials Technology Centre (CTM)

Co-leaders

- IES Ribeira do Louro and CPIPE (Tertiary level VET)
- National Technical University Of Athens (Degree and Master Levels)

Outcomes

- Training programme for degree and master levels
- Training programmes for Tertiary Level
- Consultation Report
- Online Resource Centre and eBooks with the developed training materials in multimedia format.
- Report with results of course Implementation of the subjects for Degree Programmes in HEIs.
- Report with results of course Implementation of the programme for VET Tertiary Level courses.

Task 2.1- Training programmes for University Degrees.

- Develop specific subjects for university degrees and masters for the main 4 fields, creating specializations on natural stone in different courses: Architecture, Geology, Economy, Civil Engineering, ITC, etc.
- Includes 2 sub-tasks:
 - Design the contents of the study programmes for the different degrees in HEIs transversally related to the stone industry.
 - Choose the most appropriate pedagogical methods according to the benchmarking conclusions of work package 1.

2.2- Training programmes for Tertiary VET.

- Develop training programmes for the main 4 fields : Mining, Manufacturing, Advanced Techniques and Marketing
- Include 2 sub-tasks:
 - Develop the contents for the VET tertiary level courses.
 - Define a specific methodology which may facilitate the update or develop of the Tertiary VET

2.3- Focus Groups organisation and report (Consultation)

- Carry out a FOCUS GROUP in partner countries, where suggestion for improvements in the training design will be collected.
- One HEI per partner will draw up the conclusions of the local focus groups and share with partners leading the design phases.
- Use the network created during the first work package

2.4- Production of learning materials.

- Involve 2 different steps:
 - **a) Selection/adaptation and production of the contents for the learning materials required to implement the course:**
 - Adapting materials already available in programme countries
 - Based in the requirement of local stone industry.
 - Translated and integrated in the curriculum in the HEIs of partner countries.
 - **b) Technical Production of the *Online Resource Centre* and specialised eBooks with resources in multimedia format: animations, videos, pictures, graphics, etc.**

2.5- Teachers training programmes.

- a) Organizing training course for degree and master level teachers
- b) Attending training course for degree and master level teachers (2 per organisation)
- c) Organizing training course for Tertiary level VET teachers
- d) Attending training course for Tertiary level VET teachers (2 per organization).

2.6- Testing courses implementation for testing contents and learning materials.

- Testing will take place at different HEIs in partner countries with pilot courses, in degree level and in Tertiary VET.
- To assess the value of project results, specific elements of improvement and potential new developments.
- Includes the following tasks:
 - a) Implement testing courses:**
 - Course on stone quarrying
 - Course on stone manufacturing
 - Course on advanced techniques
 - Course on stone marketing
 - b) National report compiling results of the testing.**
 - c) Aggregated report compiling results of the testing.**

W2 Tasks

2.1. Training programmes for University Degrees and VET:	
Draft general content	30.04.2021
Meeting on May, 4h	
Hold a meeting to discuss general content of courses	04-05-2021
Develop the complete curriculum	30-05-2021
Carry out a Focus Group per country	15-05-2021
Collect supporting materials already available and design content for new learning material	30-06-2021
Technical production of learning material	30-09-2021

Distribution of tasks

FIELD OF STUDY	COORDINATOR	TEAM PARTNERS
Vocational Education and Training	IES Ribeira do Louro	<ul style="list-style-type: none">- University of Gjirokastra- Scuola Edile Padova
Manufacturing	Centro Tecnológico del Marmol.	<ul style="list-style-type: none">- University of Sarajevo- University of Pristina
Placement	University of La Coruña	<ul style="list-style-type: none">- University of Business and Technology
Mining and Quarrying	National Technical University of Athens	<ul style="list-style-type: none">- Polytechnique University of Tirana
Heritage and Rehabilitation	La Sapienza University	<ul style="list-style-type: none">- University of Mostar- Mediterranean Un Montenegro
Marketing	University of Elbasan "Aleksander Xhuvani":	<ul style="list-style-type: none">- Transylvania Un Brasov- Mediterranean University of Montenegro

W2 Tasks

2.3. Focus Groups organisation and report (Consultation)	Uni Polit Tirana /Univ. Sarajevo / Pristina / IES RdL /Uv Athens	30-10-2021
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W2 Tasks

2.4- Production of learning materials.		31-12-2021
Selection/adaptation and production of the contents for the learning materials required to implement the course	Uni Polit Tirana / Elbasan / Univ Gjirokastra /Univ. Sarajevo / Univ. Mostar / Univ Mediteranean / Pristina / UBT / UDC/ IES RdL / CTM / Uv La Sapienza / Padova / Uv Athens / Brasov	
Technical Production of the <i>Online Resource Centre</i> and specialised eBooks with resources in multimedia format	IES RdL / CTM	

W2 Tasks

2.5- Teachers training programmes		30-07-2022
Organizing training course for degree and master level teachers	Uni Polit Tirana /Univ. Sarajevo / Univ Mediteranean / Pristina / UDC / CTM / Brasov	
Attending training course for degree and master level teachers (2 per organisation)	Uni Polit Tirana / Elbasan / Univ Gjirokastra /Univ. Sarajevo / Univ. Mostar / Univ Mediteranean / Pristina / UBT / UDC/ Brasov	

W2 Tasks

2.5- Teachers training programmes		30-07-2022
Organizing training course for Tertiary level VET teachers	Univ Gjirokastra / Univ. Mostar / UBT / CTM	
Attending training course for Tertiary level VET teachers (2 per organization).	Uni Polit Tirana / Univ Gjirokastra /Univ. Sarajevo / Univ. Mostar / Univ Mediteranean / UBT / UDC/ Brasov	

W2 Tasks

2.6- Testing courses implementation for testing contents and learning materials		30-07-2022
Implement testing course on advanced techniques	Uni Polit Tirana /Univ. Sarajevo / Univ Mediteranean / UDC/ Uv Athens / Brasov	
Implement testing course on stone marketing	Elbasan / Univ. Mostar / Pristina / IES RdL / Brasov	
National report compiling results of the texting.	Elbasan /Univ. Mostar / Univ Mediteranean / Pristina / Brasov	
Aggregated report compiling results of the texting.	Elbasan / Univ. Mostar / CTM / Brasov	

