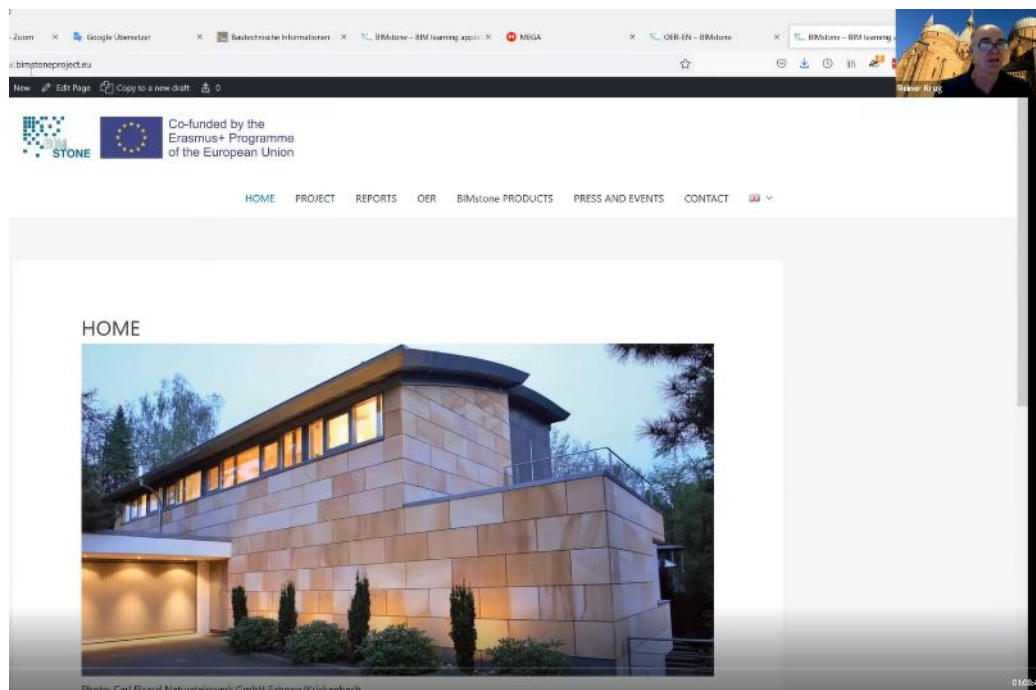


INTELLECTUAL OUTPUT 3

TASK O3/A3 REPORT ON THE RESULTS OF FINAL THE INTERNATIONAL SEMINAR (ONLINE)



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INTRODUCTION

This Final International Seminar has been used as the presentation of the BIMstone project to professionals and teachers/head teachers in Germany and also to trainers of stonemasonry/ stone sculptor/ natural stone mechanics and employees in natural stone companies as an official presentation of the IO3 corresponding to the “*BIMstone OPEN EDUCATIONAL RESOURCE (OER)*” of the project.

The purpose of this seminar is to collect information from the event attendees, who are experts in the different fields of stone or construction sector, especially in the training sector. After the presentation of the website www.bimstoneproject.eu and of the handling with the OER Platform, the type and implementation of animations was analysed and discussed, highlighting the strong and weak points of each animation, as well as their adaptation to the current situation and needs of the demand of stone products market in each country.

The feedback from experts’ will be used to make a methodology to be applied for coming courses and contents. A special focus will be done in the discussion of the different stone placing animations, with the organisation of round tables covering different topics. Trainers and teachers in stone sector attended this event predominantly and participated in the round table.

At the end of the interventions scheduled in the agenda, Reiner Krug (DNV) moderated a round table discussion with the professionals who are trainers and teachers at stonemason schools.

AGENDA

June, 22th Platform connection (online)

- 14.00 - 14.15 Welcome to attendees. [DNV - Reiner Krug]
- 14.15 - 14.30 General overview of the BIMstone project. [DNV - Reiner Krug]
- 14.30 - 14.45 Presentation objectives, results, contents. [DNV - Reiner Krug]
- 14.45 - 15.00 Presentation of the short films about the ecological use of natural stone in the building industry. [DNV - Reiner Krug]
- 15.00 - 15.15 Discussion and round table with attendees.
Closure of the Seminar.

The international Seminar was held by coordinator of the project (DNV). It was carried out by Mr. Reiner Krug, Managing Director of German Association of Natural Stone Industry (DNV).

The German Natural Stone Association (DNV) has been dealing with vocational training in the natural stone industry for years. In addition to the creation of the vocational training “quarry stone mechanic”, the DNV is also active in the field of education and training beyond the borders of Germany.

The seminar was attended by teachers/head teachers in Germany and also trainers of stonemasonry/ stone sculptor/ natural stone mechanics schools and employees in natural stone companies who were also part of a round table:

The training of stonemasons in Germany is already very good, there are dual courses of study and continuing education. Therefore, the videos are very suitable for basic training. The participating teachers will present it to the students in class and get feedback. In Germany, many refugees are employed in the stone industry, and here too the videos are intended to convey the basic knowledge without language barriers.

All the presentations and interventions of the Final International Seminar were recorded and posted on the BIMStone project website, to be made available to all interested parties in the following link:

<http://www.bimstoneproject.eu/oer-direct-access-dissemination/>

1. General overview of the BIMStone-Project [DNV]

Mr. Krug stressed the importance of this project and the need to digitize all building materials and, of course, natural stone products in order to have greater prescription capacity by teacher, trainer, experts and professionals in the construction sector.

Mr. Krug introduced the project partners involved, the project description, and explained what OER means. In doing so, he emphasised that the content is digitally bundled and accessible online from any place at any time.

He also pointed out that there is a special situation in Germany, because there are the two professions already in Germany available: quarry stone mechanic and stonemason/sculptor. This is not the case in the other partner countries involved.

2. Presentation of objectives, results and contents [DNV]

Mr. Reiner Krug gave a brief presentation of the tasks and expected results of the project, emphasizing that this project is of educational scope for training purposes for students and professionals in the sector of natural stone and related. Mr. Krug described each of the deliverables of the project in detail.



3. Presentation of the short films [DNV]

Mr. Krug introduced the following 8 animations and commented on the individual work steps shown. He also pointed out that the films will be supplemented with multimedia cards in the future.

Animation: 1 Fertilated Slate roofs

Animation 2: Marble or granite inclined roofs

Animation 3: Ventilated Fcades

Animation 4: Floating floor

Animation 5: Placing without mortar (exterior flooring)

Animation 6: Marble or granite inclined roofs

Animation 7: Pavers on sand bed

Animation 8: Renovation floor tiling

2 more animations are still in the work.



4. Discussion [DNV]

As the agenda established, once all presentations had been finished, a round table was held, in which participants had the opportunity to express their doubts and concerns regarding the project to seminar speaker.

Mr. Watzke asks about the target group of the project. Reiner Krug answered trainees, apprentices, trainees with a focus on refugees, inclusive persons and retrainers, to find out about regulations in the professional field. Mr. Watzke stressed that the partner associations of the DNV like the Bundesinnungsverband der Deutschen Steinmetze (the Association of German Stonemasons) should also support and promote this project.



Wolfgang Eschenweck finds the films very vivid and good that they are language-neutral. With the videos, we can get the trainees in their first year of apprenticeship introduce in the topics, what is to come and clearly highlight the key points. He finds it a very valuable and useful tool to show what the contents of the curricula are. But it needs to be supplemented for in-depth technical training. After finishing the project, he will present it to his students at the school and makes a survey how they like.



Mr. Görder is looking forward to the Multimedia Cards, because they are essential for the animations. Finally, the user needs to know which mortar, structure of the floor or materials are used in natural stone work.



Mr. Görder had the idea to create a kind of Wikipedia page for natural stone works. He has already produced technical drawings, calculation methods and basic constructions for this purpose. He can imagine making his content available on the BIMstone page.

NUMBER OF ATTENDEES

The total attendance at the Final International Seminar of the BIMstone project was 9 external people, in addition to the project participants:

Deutscher Naturwerkstein-Verband E.V (DNV)

- Reiner Krug.
- Jana Kern.

Colegio Oficial de Arquitectos de la Región de Murcia (COAMU)

- Pedro Gabriel Moreno Moreno.

Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales (CTM)

- David Caparrós Pérez.

KLESARSKA SKOLA Pucisca (KLESARSKA)

- Tamara Plastić.

Due to the Data Protection Law, the *Attendees list* is not available for public use.