



WinSTONE

OPENING GATES FOR WOMEN
IN THE STONE SECTOR

OPENING GATES FOR WOMEN IN THE STONE
SECTOR

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Task O3/A4

TECHNICAL TEST AND IMPLEMENTATION OF IT IMPROVEMENTS OF WinSTONE OER PLATFORM



WinSTONE

OPENING GATES FOR WOMEN IN THE STONE SECTOR



Erasmus+

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Development





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1. DESCRIPTION OF THE TASK

This report is included in the IO3 WinSTONE Open Educational Resource (OER). An Open Educational Resource Platform has been designed and produced to support the implementation of the rest of Intellectual Outputs. This has made available for free on the project's website for being used as a supporting material in the numerous courses distributed within the 3 main target groups (women, trainers and entrepreneurs).

The feedback obtained from the experts during the courses and events was very useful for the improvement of the materials developed in the project, mainly for the improvement of the WinSTONE OER.

The beta versions of those products were shown to experts and teachers, to be checked and used in during or after the courses. It was necessary because beta versions to correct them, as well as sometimes the trainings are carrying out in facilities where there is not online connection.

Finally, the consortium has also scheduled courses, trainings and other events (workshops, meetings, seminars, etc.) beyond the end of the project in order to guarantee the sustainability of the project.

2. EXPERTS AND ENTITIES CONSULTED ON WinSTONE PROJECT

2.1. TECHNICAL EXPERTS CONSULTED

Table 2.1.1. Technical experts consulted

DNV

Profession	Name of Organisation where he/she works or freelance, if applicable
web and print designer, marketing expert	Allegria design
Teacher	Stonemason school Eichstätt
managing director	Association of German Stonemasons (Bundesverband Deutscher Steinmetze)
General secretary	European & International Federation of Natural Stone Industries (EUROROC)

CTM

Profession	Name of Organisation where he/she works or freelance, if applicable
Engineer	CertiMaC soc.cons. a r.l.
Architect	Cype Soft SL
Architect	Cype Soft SL
Architect	Cype Soft SL
Civil Engineer	Bulgarian Green Building Council
Engineer	Universidad de Sevilla
Engineer	Centro Provinciale Di Istruzione Professionale Edile (C.P.I.P.E.)
Architect	Colegio Oficial de Arquitectos de la Región de Murcia (COAMU)

NTUA

Profession	Name of Organisation where he/she works or freelance, if applicable
Professor	National Technical University of Athens
Professor	National Technical University of Athens
Teaching Assistant	National Technical University of Athens



Teaching Assistant	National Technical University of Athens
Mining Engineer	Free lancer

iED

Profession	Name of Organisation where he/she works or freelance, if applicable
Professor	University of Thessaly-Civil Engineers Department
Trainers	Open Mellon/Vocational Training institutes
Consultants	STHEV-Association of Thessalian industries
Architects	Gkogkos constructions
Professors	University of Thessaly-Architecture Department
Architect	Antonios Moras

KSK

Profession	Name of Organisation where he/she works or freelance, if applicable
Professor	University of Split, Art academy
Restorer	Croatian Conservation Institute, department Split
Psychologist	Technical school for mechanical engineering and mechatronics in Split
Principal	Technical school for mechanical engineering and mechatronics in Split
Civil engineer	School of Architecture and Geodesy, Split
Stonemason	freelancer

2.2. ORGANISATIONS/ENTITIES CONSULTED

Table 2.2.1. Organisations/entities consulted

DNV

Name	Contact (email or phone)	Type of organisation (SME, LE, VET, University, etc.)	Field (industry, mining, research, etc.)
Stonemason school Königslutter	<i>e-mail</i>	school	construction
Stonemason school Eichstätt	<i>e-mail</i>	school	construction
Stonemason Aschaffenburg	<i>e-mail</i>	school	construction
Stonemason school Munique	<i>e-mail</i>	school	construction
Natural stone Magazine (Naturstein)	<i>e-mail</i>	press	Information/ Education
National Association of German Stone Mason	<i>e-mail</i>	Association	construction
National Stone Institute	<i>e-mail</i>	Institute	Business
stone Magazine (STEIN)	<i>e-mail</i>	press	Information/ Education
Stone-Ideas.com	<i>e-mail</i>	press	Information/ Education
Saxon stonemasonry school at the vocational school centre for business and technology Bautzen	<i>e-mail</i>	School	construction
Chamber of Crafts Braunschweig-Lüneburg-Stade	<i>e-mail</i>	chamber	construction
State Association for the Stonemasonry and Sculpture Trade Nordrhein-Westfalen	<i>e-mail</i>	State Association	Trade
Chamber of Crafts Dortmund - Educational Centre	<i>e-mail</i>	chamber	construction
Chamber of Crafts Rheinhessen Educational Centre	<i>e-mail</i>	chamber	construction
Vocational training centre for the stonemasonry and sculptor trade (bbw) Wiesbaden	<i>e-mail</i>	School	construction
Master School of Crafts Kaiserslautern	<i>e-mail</i>	School	construction
Master School of Crafts Friedrich - Weinbrenner - Gewerbeschule Freiburg	<i>e-mail</i>	School	construction
Sculptor and stonemason's guild Niederbayern	<i>e-mail</i>	guild	construction
Vocational Training and Technology Centre Ingolstadt	<i>e-mail</i>	school	Technology
Stonemasons and wood carver's guild Südschwaben Kempten	<i>e-mail</i>	guild	construction
Stonemasons and wood carver's guild Nordschwaben Augsburg	<i>e-mail</i>	guild	construction
Stonemasons and wood carver's guild	<i>e-mail</i>	guild	construction

Mittelfranken			
Technical University Nürnberg Georg Simon Ohm	<i>e-mail</i>	University	construction
Sculptor and stonemason's guild Neumarkt	<i>e-mail</i>	guild	construction
Meistermanufactur Eichstätt	<i>e-mail</i>	school	construction
Nord-Oberfränkische Sculptor and stonemason's guild	<i>e-mail</i>	guild	construction
State Technical School for Stone Technology and Design Wunsiedel	<i>e-mail</i>	school	Technology and Design
European Training Centre / German Natural Stone Archive Wunsiedel	<i>e-mail</i>	Training Centre	construction
Stonemason's and Sculptors' Guild Bamberg	<i>e-mail</i>	guild	construction
Stonemason's and Sculptors' Guild Unterfranken	<i>e-mail</i>	guild	construction
EIPOS European Institute for Postgraduate Education	<i>e-mail</i>	Institute	construction
Steinbeisschule Stuttgart	<i>e-mail</i>	school	construction
EW Bildung	<i>e-mail</i>	school	construction

CTM

Name	Contact (email or phone)	Type of organisation (SME, LE, VET, University, etc.)	Field (industry, mining, research, etc.)
Centro Provinciale Di Istruzione Professionale Edile (C.P.I.P.E.)	<i>Private e-mail</i>	VET Center	Construction
Lycee Des Metiers Leonard De Vinci	<i>Private e-mail</i>	VET Center	Construction
Bulgarian Green Building Council	<i>Private e-mail</i>	Technical counselling	Construction
Asesoramiento, Tecnología e Investigación (ATIN)	<i>Private e-mail</i>	Technical counselling	Technology
Colegio Oficial de Arquitectos de la Región de Murcia (COAMU)	<i>Private e-mail</i>	Architects Association	Architecture
Department of Technical Sciences, University of Bucharest	<i>Private e-mail</i>	University	Architecture
SCUOLA EDILE - CPT Centro per la formazione e la sicurezza edile di Padova	<i>Private e-mail</i>	VET Center	Construction

NTUA

Name	Contact (email or phone)	Type of organisation (SME, LE, VET, University, etc.)	Field (industry, mining, research, etc.)
Association of Marble Companies of Macedonia - Thrace	<i>Private e-mail</i>	Association	Engineering
Association of Greek women scientists	<i>Private e-mail</i>	Association	Science
Iktinos S.A.	<i>Private e-mail</i>	SME	Mining
Thassos Marble S.A.	<i>Private e-mail</i>	SME	Mining

KSK

Name	Contact (email or phone)	Type of organisation (SME, LE, VET, University, etc.)	Field (industry, mining, research, etc.)
University of Split, Art academy	<i>Private e-mail</i>	University	education
Croatian Conservation Institute, department Split	<i>Private e-mail</i>	company under the Ministry of culture	research
Technical school for mechanical engineering and mechatronics in Split	<i>Private e-mail</i>	VET Center	education
Technical school for mechanical engineering and mechatronics in Split	<i>Private e-mail</i>	VET Center	education
School of Architecture and Geodesy, Split	<i>Private e-mail</i>	VET Center	education
Jadrankamen d.d.	<i>Private e-mail</i>	SME	industry

3. DURING THE PROJECT. EXPERTS, ENTITIES, COURSES AND OTHER EVENTS WHERE WAS CONSULTED ON WinSTONE MULTIMEDIA MATERIALS and WinSTONE LEARNING APPLICATION.

3.1. COURSES AND TRAININGS

Table 3.1.1. Courses or trainings where WinSTONE project was shown

CTM

Name of the course/training	Venue	Date/Period	Number of students
APLICACIÓN PRÁCTICA DE NUEVAS TECNOLOGÍAS BIM EN LA PRESCRIPCIÓN TÉCNICA DEL IMPACTO AMBIENTAL DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Murcia	9-16/11/2020	30

APLICACIÓN PRÁCTICA DE NUEVAS TECNOLOGÍAS BIM EN LA PRESCRIPCIÓN TÉCNICA DEL IMPACTO AMBIENTAL DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Cartagena	16-20/11/2020	30
APLICACIÓN PRÁCTICA DE NUEVAS TECNOLOGÍAS BIM EN LA PRESCRIPCIÓN TÉCNICA DEL IMPACTO AMBIENTAL DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Alicante	23-27/11/2020	30
DECLARACIÓN AMBIENTAL DE PRODUCTO BASADA EN EL ANÁLISIS DE CICLO DE VIDA (ACV) DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Murcia	9-11/09/2020	30
DECLARACIÓN AMBIENTAL DE PRODUCTO BASADA EN EL ANÁLISIS DE CICLO DE VIDA (ACV) DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Cartagena	14-16/09/2020	30
DECLARACIÓN AMBIENTAL DE PRODUCTO BASADA EN EL ANÁLISIS DE CICLO DE VIDA (ACV) DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Alicante	21-23/10/2020	30

NTUA

Name of the course/training	Venue	Date/Period	Number of students
Marbles and Industrial Minerals	Athens	11/05/2020	25
Marbles and Industrial Minerals	Athens	17/05/2021	20

KSK

Name of the course/training	Venue	Date/Period	Number of students
Winstone for teachers and trainers-online	Pučišća	28/09/2021	18
Winstone for the first grades-stonemason technicians	Pučišća	22/11/2021	3
Winstone for the first grades-stonemason	Pučišća	22/11/2021	11

3.2. OTHER EVENTS

Table 3.2.1. Other events (workshops, meetings, seminars, etc.) where WinSTONE project was shown

DNV

Name of the event	Venue	Date/Period	Number of attendants
DNV Member Meeting	Cologne	06/07/2019	40
DNV Member-Meeting (Online)	Würzburg	06/11/2020	40

DNV Member Meeting	Würzburg	31/07/2021	30
WinSTONE Final International Seminar	Würzburg	16/09/2021	26
Euroroc Member Meeting	Verona/Fair Marmomacc	01/10/2021	15

CTM

Name of the event	Venue	Date/Period	Number of attendants
APLICACIÓN PRÁCTICA DE NUEVAS TECNOLOGÍAS BIM EN LA PRESCRIPCIÓN TÉCNICA DEL IMPACTO AMBIENTAL DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Alicante – Murcia - Cartagena	November 2020	30
DECLARACIÓN AMBIENTAL DE PRODUCTO BASADA EN EL ANÁLISIS DE CICLO DE VIDA (ACV) DE PRODUCTOS Y SISTEMAS CONSTRUCTIVOS	Alicante – Murcia - Cartagena	September 2020	30
Foro Contract Mediterráneo	Murcia	May 2019	>100
Marmmomac	Verona	September 2019	>2500
1st Transnational Meeting of WinSTONE project	Cehegin	November 2019	12
1st Transnational Meeting of CircularBIM project	Alicante	December 2019	11
1st Transnational Meeting of BIMHealth project	Cehegin	December 2019	22
1st Transnational Project Meeting of BKStone project	Tirana	February 2020	35
CEVISAMA	Valencia	February 2020	>200

NTUA

Name of the event	Venue	Date/Period	Number of attendants
1st Multiplier Event of WinSTONE project	Athens	07/05/2021	97
International Conference on Raw Materials and Circular Economy	Athens	05/09/2021-09/09/2021	60

KSK

Name of the event	Venue	Date/Period	Number of attendants
WinSTONE project-among us	Pučišća	28.5.2020	10

4. BEYOND THE END OF THE PROJECT

Partners of the project will use the final version of the WinSTONE Multimedia Materials, and application in their courses beyond the end of the project. In the following tables are shown some examples scheduled.

Table 4.1.1. Courses or trainings where WinSTONE project results will be shown

DNV

Name of the course/training	Venue	Date/Period	Number of students
Not yet scheduled			

CTM

Name of the course/training	Venue	Date/Period	Number of students
Not yet scheduled			

NTUA

Name of the course/training	Venue	Date/Period	Number of students
Marbles and Industrial Minerals	Athens	May 2022	25
Marbles and Industrial Minerals	Athens	May 2023	25
Open Pit planning and Design	Athens	December 2022	30

iED

Name of the course/training	Venue	Date/Period	Number of students
Not yet scheduled			

KSK

Name of the course/training	Venue	Date/Period	Number of students
Winstone for teachers and trainers-online	Pučišća	April and May 2022.	20
Winstone for uper grades	Pučišća	April to Jun 2022.	40

Table 4.1.2. Other events (workshops, meetings, seminars, etc.) where WinSTONE project results will be shown

Name of the event	Venue	Date/Period	Number of attendants
Stone symposium	Pučišća	May 2023.	50

5. QUESTIONNAIRE

For the technical evaluation of the products of the WinSTONE project, a survey was distributed to obtain the opinion of the educational and technical experts about training materials. This form contains questions about:

- Training materials.
- WinSTONE OER

Below is the questionnaire carried out for the technical evaluation of this project and its products.

1. Overall, how satisfied were you with the training materials?

Very satisfied	Rather satisfied	Neither satisfied nor unsatisfied	Rather unsatisfied	Not satisfied at all

2. To what extent do you agree or disagree with the following statements?

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Training materials' contents were of my interest.					
feel now better informed on various aspects related to the women in the stone sector.					
I now better understand the benefits of the WinSTONE.					
I feel that it has helped me to reinforce my knowledge, competences and skills about methods of integrating women in the stone sector					

3. To what extent do the Open Educational Resource (OER) show the following attributes?

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The contents of the OER are clearly understandable and motivating.					
The OER is well-organised and well-structured.					
The OER is user-friendly.					
Q4: Overall, the OER is adequate for the self-learning of women integration in the whole chain value of stone sector					

4. Do you have any further comments and recommendations on the WinSTONE Course? What could have been done better?

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: The WinStone Course relates to the gender equality criteria					
Q2: The design of the curriculum is detailed enough to understand the topics.					
Q3: The curriculum is enough to be able to carry out the works described in it.					
Q4: The development of the content is correct for attract and paying attention.					
Q5: The contents are useful					
Q6: The duration of the course is adequate.					

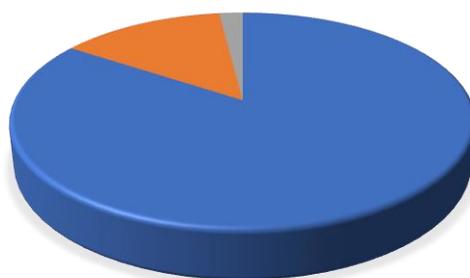
5. Do you have any further comments and recommendations on the WinSTONE handbooks? What could have been done better?

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: The handbooks are related to gender equality in stone sector.					
Q2: The handbooks are well structured, so that they are easily understood and aid learning.					
Q3: Handbooks are useful and interesting.					
Q4: The colours used facilitate the user's understanding of the contents and structural elements.					
Q5: The handbooks are suitable for users and their degree of experience.					



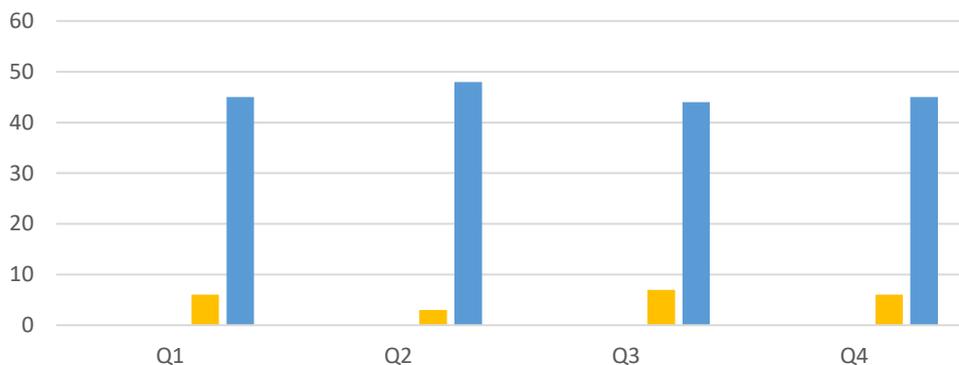
5.1 QUESTIONNAIRE RESULTS

1. Overall, how satisfied were you with the training materials?

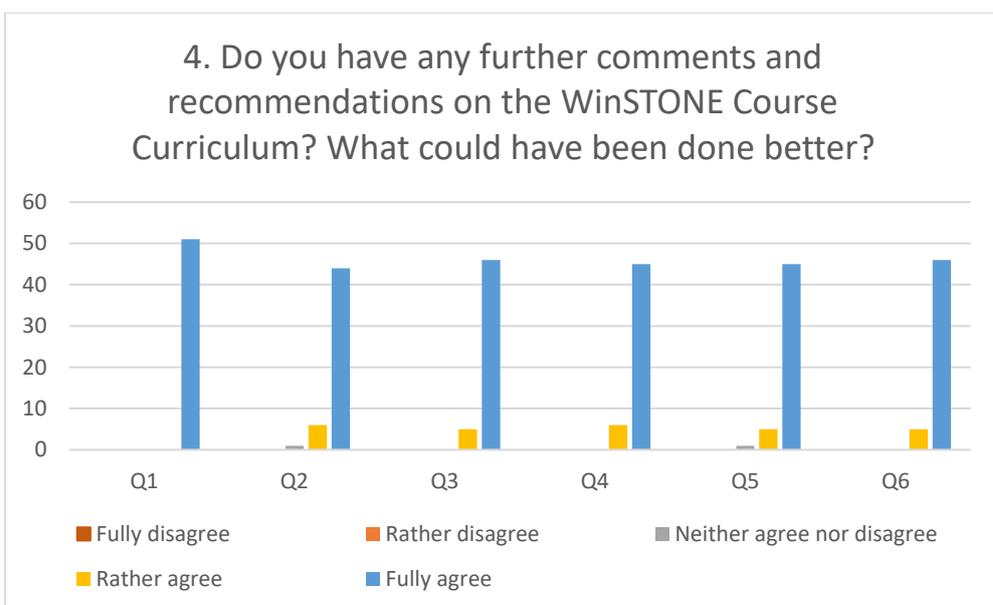
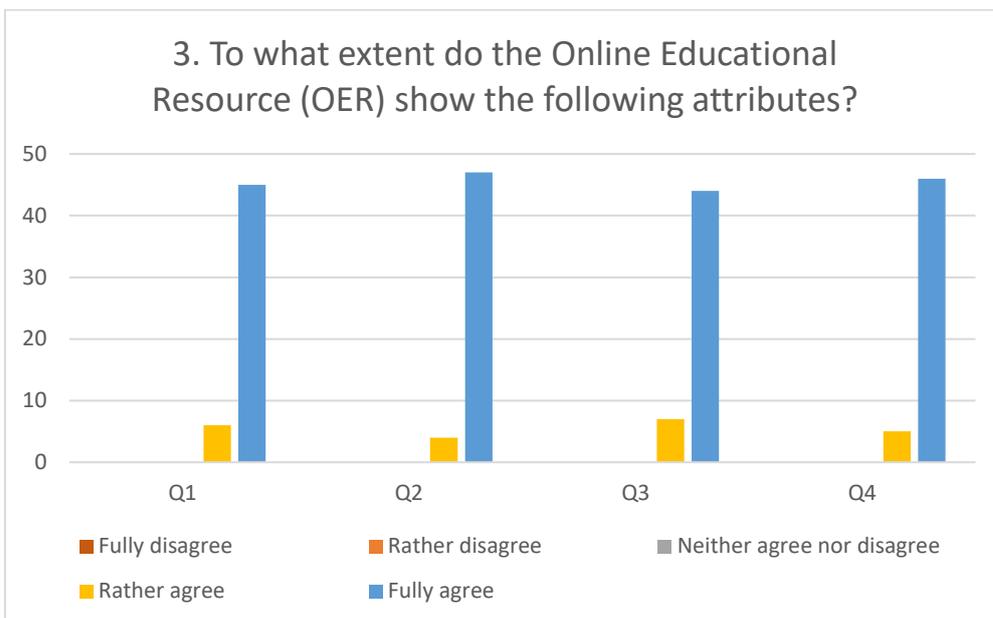


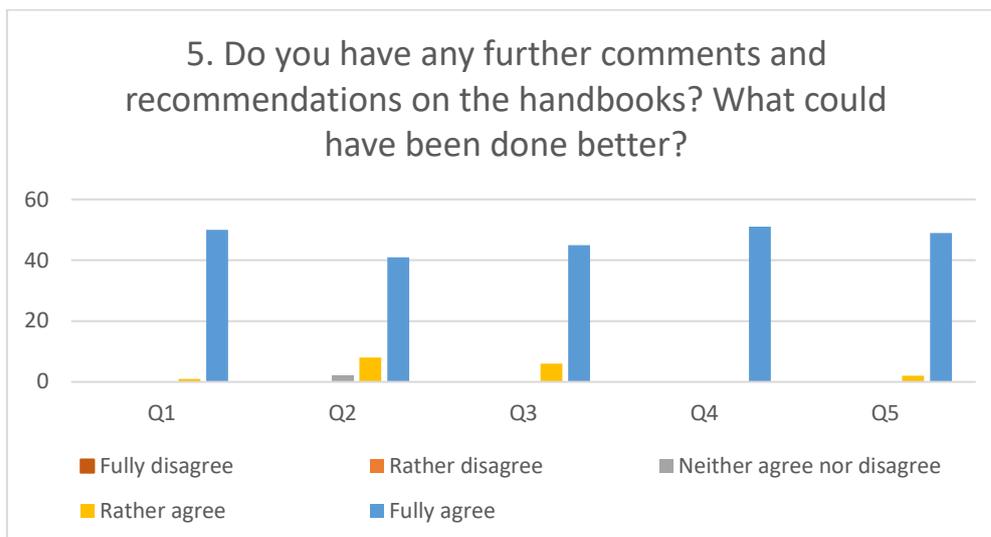
■ Very satisfied ■ Rather satisfied
 ■ Neither satisfied nor unsatisfied ■ Rather unsatisfied
 ■ Not satisfied at all

2. To what extent do you agree or disagree with the following statements?



■ Fully disagree ■ Rather disagree ■ Neither agree nor disagree
 ■ Rather agree ■ Fully agree





5.2 CONCLUSIONS

In general, the evaluation of the project by the technical experts was really positive, except for some isolated responses.

The experts who responded to the survey considered that the methodology of integration of women in the stone sector has been carried out in a correct and realistic way and that the training materials are innovative materials that are in line with the objectives of the project and therefore very useful and necessary.

The need for such materials lies in their usefulness to be able to apply and teach in order to move towards a stone sector where equality is visible.