



## Task O3/A3

# PEDAGOGICAL TEST AND IMPLEMENTATION OF IT IMPROVEMENTS OF WinSTONE OER PLATFORM



# WinSTONE

## OPENING GATES FOR WOMEN IN THE STONE SECTOR



Erasmus+

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



institute of  
Entrepreneurship  
Development





## INDEX

1. DESCRIPTION OF THE TASK .....	3
2. EXPERTS AND ENTITIES CONSULTED ON WinSTONE PROJECT .....	4
2.1. PEDAGOGICAL EXPERTS CONSULTED.....	4
Table 2.1.1. Pedagogical experts consulted.....	4
2.2. ORGANISATIONS/ENTITIES CONSULTED.....	5
Table 2.2.1. Organisations/entities consulted.....	5
3. DURING THE PROJECT. EXPERTS, ENTITIES, COURSES AND OTHER EVENTS WHERE WAS CONSULTED ON WinSTONE MULTIMEDIA MATERIALS and WinSTONE LEARNING APPLICATION.....	8
3.1. COURSES AND TRAININGS .....	8
Table 3.1.1. Courses or trainings where WinSTONE project was shown .....	8
3.2. OTHER EVENTS .....	9
Table 3.2.1. Other events (workshops, meetings, seminars, etc.) where WinSTONE project was shown .....	9
4. BEYOND THE END OF THE PROJECT .....	12
Table 4.1.1. Courses or trainings where WinSTONE project results will be shown.....	12
Table 4.1.2. Other events (workshops, meetings, seminars, etc.) where WinSTONE project results will be shown .....	13
5. QUESTIONNAIRE.....	14
5.1 QUESTIONNAIRE RESULTS.....	17
5.2 CONCLUSIONS.....	20



---

## 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 Course.

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. PEDAGOGICAL EXPERTS CONSULTED

Table 2.1.1. Pedagogical experts consulted

#### DNV

Profession	Name of Organisation where he/she works or freelance, if applicable
Editor	Website Stone-Ideas.com
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
Professor	Centro Provinciale Di Istruzione Professionale Edile (C.P.I.P.E.)
Architect	Cype Soft SL
Civil Engineer	Universidade do Minho
Construction teacher	Lycee Des Metiers Leonard De Vinci
Construction teacher	SCUOLA EDILE - CPT Centro per la formazione e la sicurezza edile di Padova
Civil Engineer	Universidad de Sevilla

#### 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 school 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	Education
Chamber of Crafts Rheinhessen   Educational Centre	<i>e-mail</i>	chamber	Education
Vocational training centre for the stonemasonry and sculptor trade (bbw) Wiesbaden	<i>e-mail</i>	School	Trade
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 Mittelfranken	<i>e-mail</i>	guild	construction
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	<i>e-mail</i>	Institute	construction

Education			
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
Jadrnkamen 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
Winstone for teachers and trainers	Pučišća	22/11/2021	8

### 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 BIMHealthy project	Cehegin	December 2019	22
1st Transnational Project Meeting of BKStone project	Tirana	February 2020	35
CEVISAMA	Valencia	February 2020	>200

## NTUA

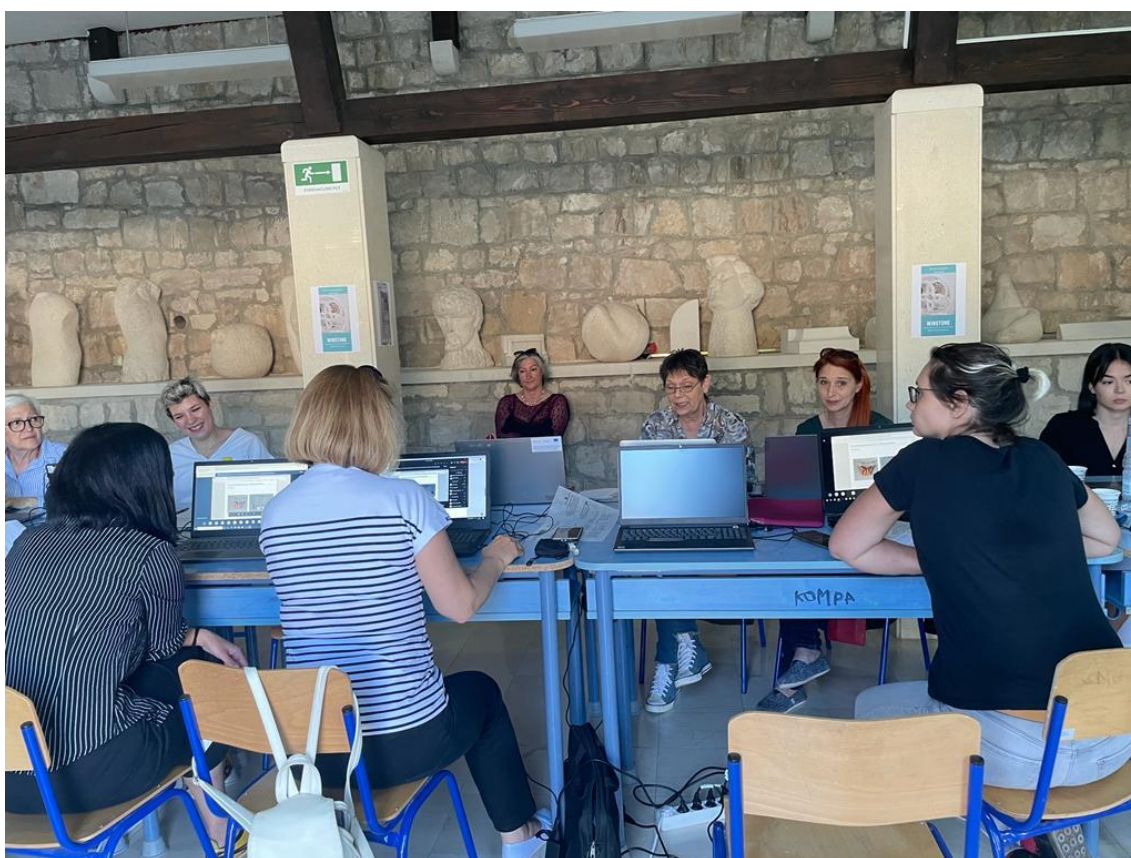
Name of the event	Venue	Date/Period	Number of attendants
1st Multiplier Event of WinSTONE project	Athens	07/05/2021	97
International Conference on Raw Materials and Circular Economy	Athens	05/09/2021-09/09/2021	60

## KSK

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



It is not only important to educate our teachers and students about the need to introduce gender equality in the stone sector. It is also important to inform trusted people who will implement project results in their companies and their work environments in general. It's important to get to know their stories, too. That is why before the online meeting at the Stonemasonry School, a meeting was held of all the women participants of the project who, through socializing and story, shared their experiences, advice, anecdotes and wonderful life stories and plans for the future.



*Women in stone sector-meeting and planning for the online meeting in Klesarska skola*





*Socializing exchange of experiences and professional sightseeing in the school workshop*

#### 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 upper 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.



OPENING GATES FOR WOMEN IN THE STONE SECTOR  
2019-1-ES01-KA203-065962

Co-funded by the  
Erasmus+ Programme  
of the European Union



### Feedback questionnaire of WinSTONE

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

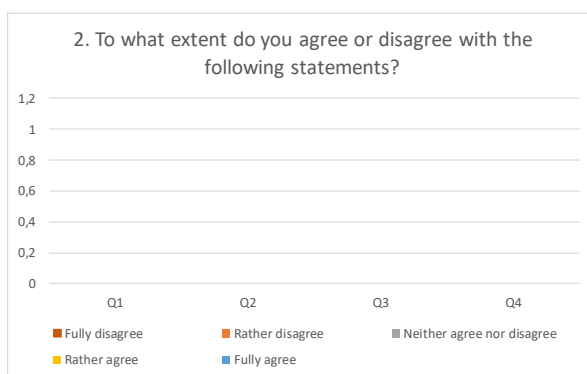
Very satisfied	Rather satisfied	Neither satisfied nor unsatisfied	Rather unsatisfied	Not satisfied at all

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

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

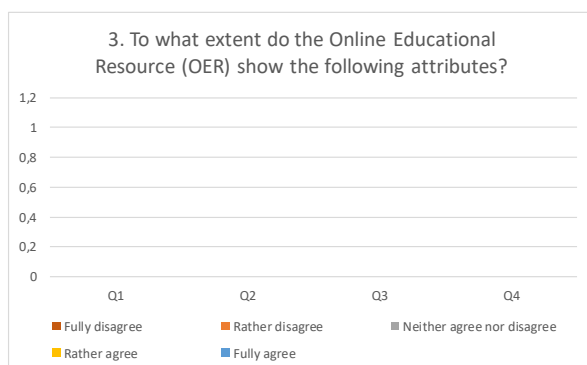
**2. To what extent do you agree or disagree with the following statements?**

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: Training materials' contents were of my interest.					
Q2: I feel now better informed on various aspects related to the women in the stone sector.					
Q3: I now better understand the benefits of the WinSTONE.					
Q4: 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?**

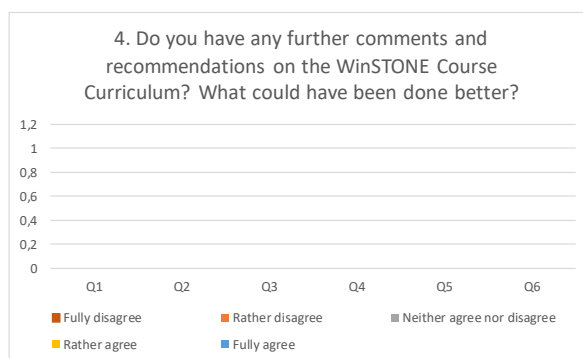
	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: The contents of the OER are clearly understandable and motivating.					
Q2: The OER is well-organised and well-structured.					
Q3: The OER is user-friendly.					
Q4: Overall, the OER is adequate for the self-learning of women integration in the whole chain value of stone sector					





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

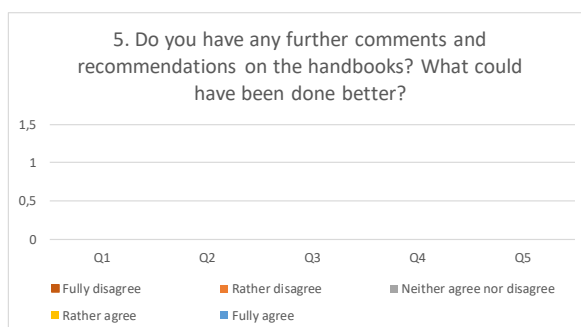
	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: The WinStone Course relates to the gender equality criteria					
Q2: The design of the curriculum is detailed enough to understand the topics.					
Q3: The curriculum is enough to be able to carry out the works described 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

### Feedback questionnaire of WinSTONE

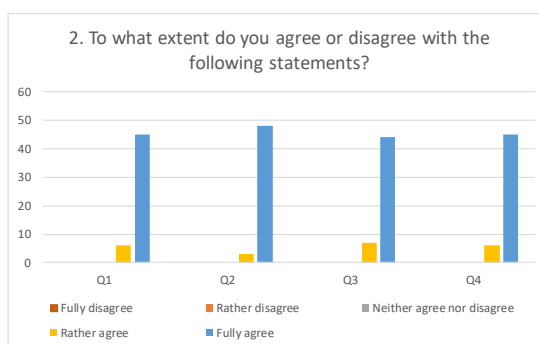
**1. Overall, how satisfied were you with the training materials?**

Very satisfied	Rather satisfied	Neither satisfied nor unsatisfied	Rather unsatisfied	Not satisfied at all
43	7	1		

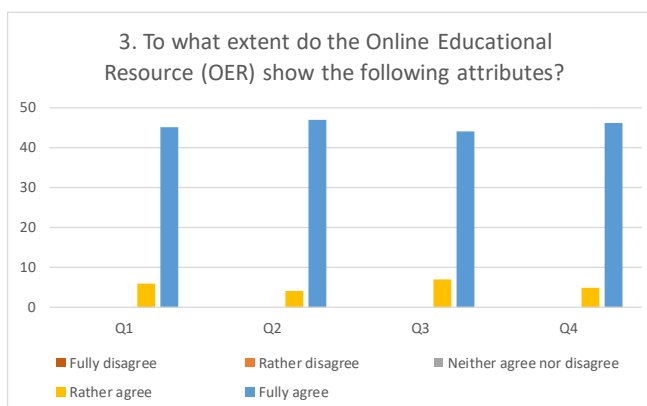


**2. To what extent do you agree or disagree with the following statements?**

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: Training materials' contents were of my interest.	0	0	0	6	45
Q2: I feel now better informed on various aspects related to the women in the stone sector.	0	0	0	3	48
Q3: I now better understand the benefits of the WinSTONE.	0	0	0	7	44
Q4: I feel that it has helped me to reinforce my knowledge, competences and skills about methods of integrating women in the stone sector	0	0	0	6	45

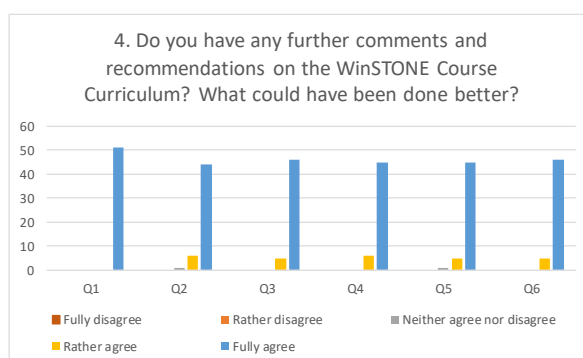


	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree
Q1: The contents of the OER are clearly understandable and motivating.	0	0	0	6
Q2: The OER is well-organised and well-structured.	0	0	0	4
Q3: The OER is user-friendly.	0	0	0	7
Q4: Overall, the OER is adequate for the self-learning of women integration in the whole chain value of stone sector	0	0	0	5

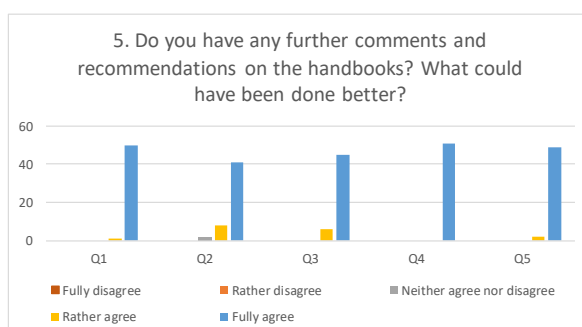


**4. Do you have any further comments and recommendations on the WinSTONE Course Curriculum? What could have been done better?**

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
Q1: The WinStone Course relates to the gender equality criteria	0	0	0	0	51
Q2: The design of the curriculum is detailed enough to understand the topics.	0	0	1	6	44
Q3: The curriculum is enough to be able to carry out the works described in it.	0	0	0	5	46
Q4: The development of the content is correct for attract and paying attention.	0	0	0	6	45
Q5: The contents are useful	0	0	1	5	45
Q6: The duration of the course is adequate.	0	0	0	5	46


**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.	0	0	0	1	50
Q2: The handbooks are well structured, so that they are easily understood and aid learning.	0	0	2	8	41
Q3: Handbooks are useful and interesting.	0	0	0	6	45
Q4: The colours used facilitate the user's understanding of the contents and structural elements.	0	0	0	0	51
Q5: The handbooks are suitable for users and their degree of experience.	0	0	0	2	49





---

## 5.2 CONCLUSIONS

In general, the evaluation of the project by the pedagogical experts was also very positive.

All experts considered that the methodology of gender mainstreaming 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.

The need for the creation of this type of material lies in the fact that by training future workers, employers or trainers in this sector, progress can be made towards a much more gender-equal stone sector.