

National Verification Report

NEEDS VALIDATION IN POLAND

Deliverable: PR1/T1.1.2



DATE

DIGICULT

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*Stimulating gender-based innovative training methods to promote
CLOTHING REcycling through Augmented Reality*

REVISION HISTORY

Version	Date	Author	Description	Action	Pages
1.0	25/7/2022	ATERMON	Creation	C	4
1.1	31/8/2022	DIGICULT	Updated	U	

(*) Action: C = Creation, I = Insert, U = Update, R = Replace, D = Delete

REFERENCED DOCUMENTS

ID	Reference	Title
1	2021-1-EL01-KA220-VET-000034695	AR4REclothing Proposal
2	PR1 / T1.1.1	National Research Report

APPLICABLE DOCUMENTS

ID	Reference	Title
1		
2		





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1. Introduction

1.1 Scope of the project

Research has depicted the linkage between environment-oriented activities and gender disparities. In fact, gender equality matters to environmental sustainability with women performing two thirds of global working hours and being more dependent on natural resources in comparison with men (Irish Aid, 2013). However, the agenda promoting the importance of gender equality for the ecosystem still remains unfinished despite all the initiatives taken towards the establishment of eco-friendly activities (UN women, 2014). Therefore, while there is still a high level of gender inequality, women act as half of the world's resource managers, making their role crucial towards safeguarding the environment (Global Environment Facility, 2018). With clothing upcycling being the new trend for green fashion, there has been no concrete initiative promoting women's active participation in upcycling practices, despite EU's endeavor towards environmental sustainability. Therefore, the need for VET trainers and textile professionals (manufacturers, designers, colorists, etc.) to engage in an open dialogue in order to support gender-based training towards buckling down environmental challenges through clothing upcycling activities constitutes a brand new initiative in alignment with EU goals for resource efficiency (Europe 2020 Strategy).

1.2 Purpose of the document

The objective of the present report is to present the results of the needs verification analysis performed with representatives of the target group at national level. The organization involved 23 participants from the project target audience in order to validate the needs conceived during the thorough desk research conducted both at pre-application level and as part of the project activities. Therefore, the current report collects the results of the needs verification questionnaire addressed to textile manufacturers/students/professionals/NGOs for gender equality and/or environmental sustainability and other stakeholders. The aim is to receive valuable feedback towards developing training materials tailored to the current state of play and the actual needs in the field of textile upcycling and environmental consciousness.

1.3 Project target groups

The target groups addressed and affected by this research are:

- Directly:
 - Textile professionals (manufacturers, designers, colorists, stylists, converters, etc.) interested in or already taking initiatives towards environmental sustainability
 - VET & Textile experts willing to actively participate in an open dialogue about green methods that establish the importance of gender equality for the ecosystem



- HEI with Textile departments
- Indirectly:
 - VET training organizations
 - Public bodies
 - NGOs or other organizations/authorities taking initiatives towards renewable resources and energy efficiency
 - AR developers or developers/organizations willing to embrace innovative digital solutions for sustainable training purposes and enhanced learning experiences
 - Policy makers

2. Methodology

2.1 Needs Verification Questionnaire

The questionnaire distributed either through online surveys or in a printed format was the following:

1. Introduction

Hello future AR4Recloth-ers!

Our team has conducted extended research in Romania, Greece, Poland, Spain, Latvia and the Netherlands to map the needs at national level in green practices, gender equality and clothing upcycling!

This questionnaire aims to receive your input in order to establish that our findings are valid! Our goal is to create personalized training materials and tools tailored to your own needs!

Will you help us?

It will only take you **10 minutes** and all information will be kept confidential and will be used ONLY for the purposes of the project!

Thank you in advance for your time!

2. Questions

2.1 Demographic Data

2.1.1 What is your gender?

- Female





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- Male
- Agender
- Bigender
- Nonbinary
- Other
- Prefer not to say

2.1.2 What is your level of education?

- None
- High School
- College / Vocational education
- Bachelor
- Master
- Ph.D

2.1.3 What is your current occupation?

- I am a student in Textile/Clothing Manufacturing
- I am a student in Social/Humanitary/Gender studies
- I am a student in Environmental studies
- I have just finished my studies and looking for a job
- I work in the textile manufacturing industry
- I work for the protection of the environment
- I work for societal issues (incl. Gender equality)
- I am currently unemployed
- I prefer not to say
- Other

2.2 Level of awareness

Regarding your knowledge about eco-sustainable practices, please answer to the following questions:

2.2.1 Have you heard of any actions *initiated by women* towards environmental sustainability?

- Yes
- No
- Not sure

2.2.1.a If yes, please shortly describe them below



Regarding your knowledge about green practices, please answer to the following questions:

2.2.2 Have you heard of any environmental actions in the textile industry?

- Yes
- No
- Not sure

2.2.2.a If yes, please shortly describe them below

2.2.3 What is your level of awareness in relation to the following practices/concepts? (1=not aware at all, 5=fully aware)

	1	2	3	4	5
2.2.3.a Circular clothing for sustainability					
2.2.3.b Circular material use					
2.2.3.c Sustainable Design					
2.2.3.d Digital solutions for sustainable innovations					
2.2.3.e Awareness-raising campaigns for clothing recycling					
2.2.3.f Awareness-raising actions for responsible textile consumption					
2.2.3.g Sustainable business models					
2.2.3.h Sustainability in fashion industry					
2.2.3.i Women participation in the protection of the environment					
2.2.3.j Gender-based training/learning methods					

2.3 Level of skills

2.3.1 What is your level of skills regarding the following? (1=lowest level, 5=highest level)

	1	2	3	4	5
2.3.1.a Creativity					
2.3.1.b Teamwork					
2.3.1.c Understanding of the work to be done					
2.3.1.d Problem-solving					
2.3.1.e Planning					
2.3.1.f Communication					
2.3.1.g Public speaking					
2.3.1.h Attention to detail					
2.3.1.i Self-motivation					
2.3.1.j Leadership					
2.3.1.k Negotiation					



2.4 Experience

2.4.1 Have you received any kind of training about environmental sustainability?

- Yes
- No

2.4.1.a If yes, please shortly describe them below

2.4.2 Have you received any kind of training about gender equality?

- Yes
- No

2.4.2.a If yes, please shortly describe them below

2.4.3 Have you received any kind of training about textile upcycling?

- Yes
- No

2.4.3.a If yes, please shortly describe them below

2.5 Interest

2.5.1 Do you like the idea of AR4Recloting?

- Yes
- No
- Not sure

2.5.1.a If no, please shortly explain below



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2.5.2 Are you interested in further participating in AR4Reclothing activities?

- Yes
- No
- Not sure

2.5.2.a If no, please shortly explain below

Thank you so much for your time!

You can learn more about our news here: <http://ar4reclothing.erasmusplus.website/>

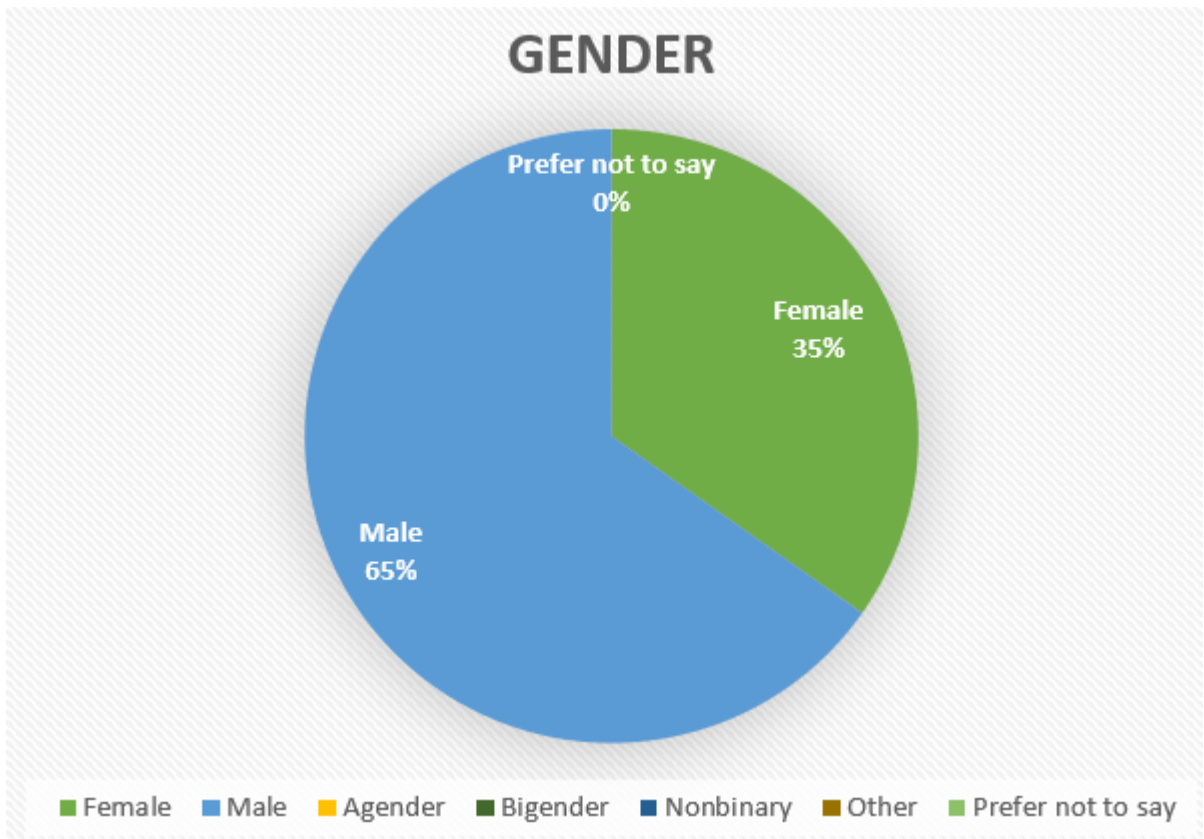




3. Results

3.1 Demographic data

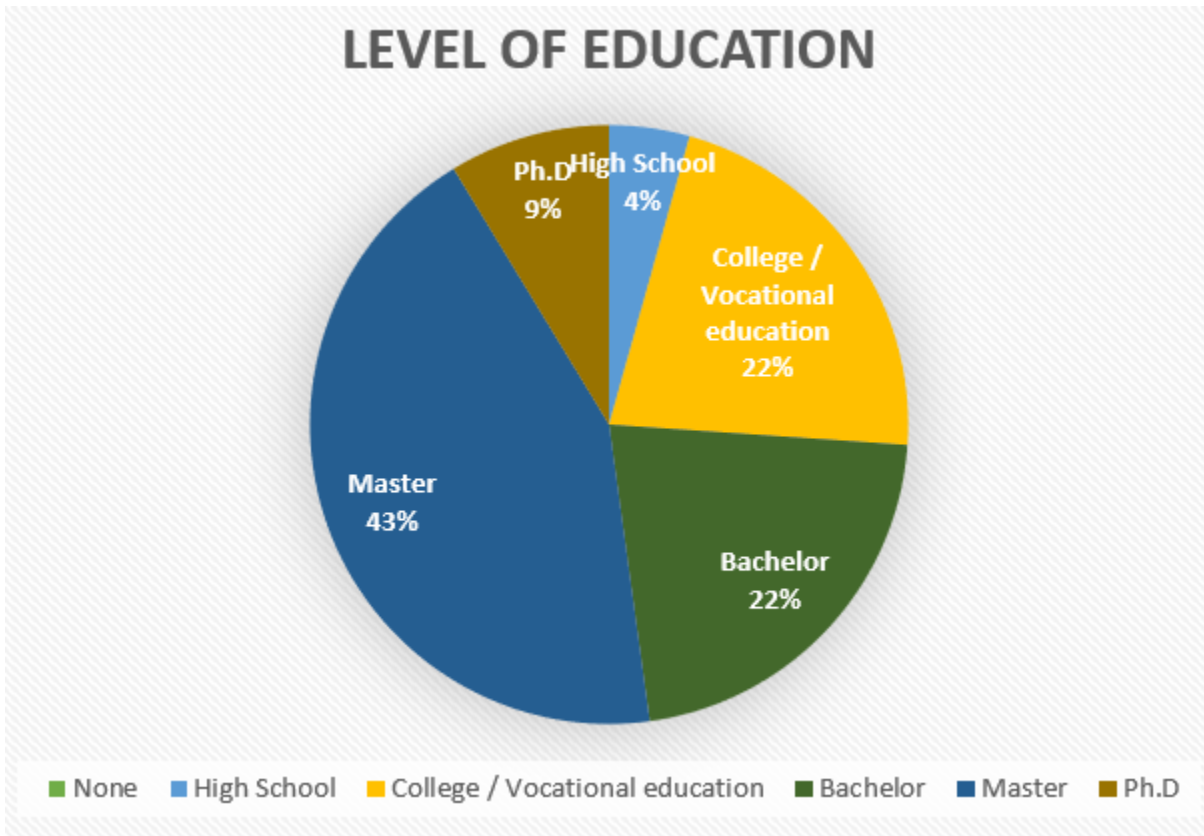
3.1.1 Gender



Graph 1. Gender of participants

3.1.2 Level of education

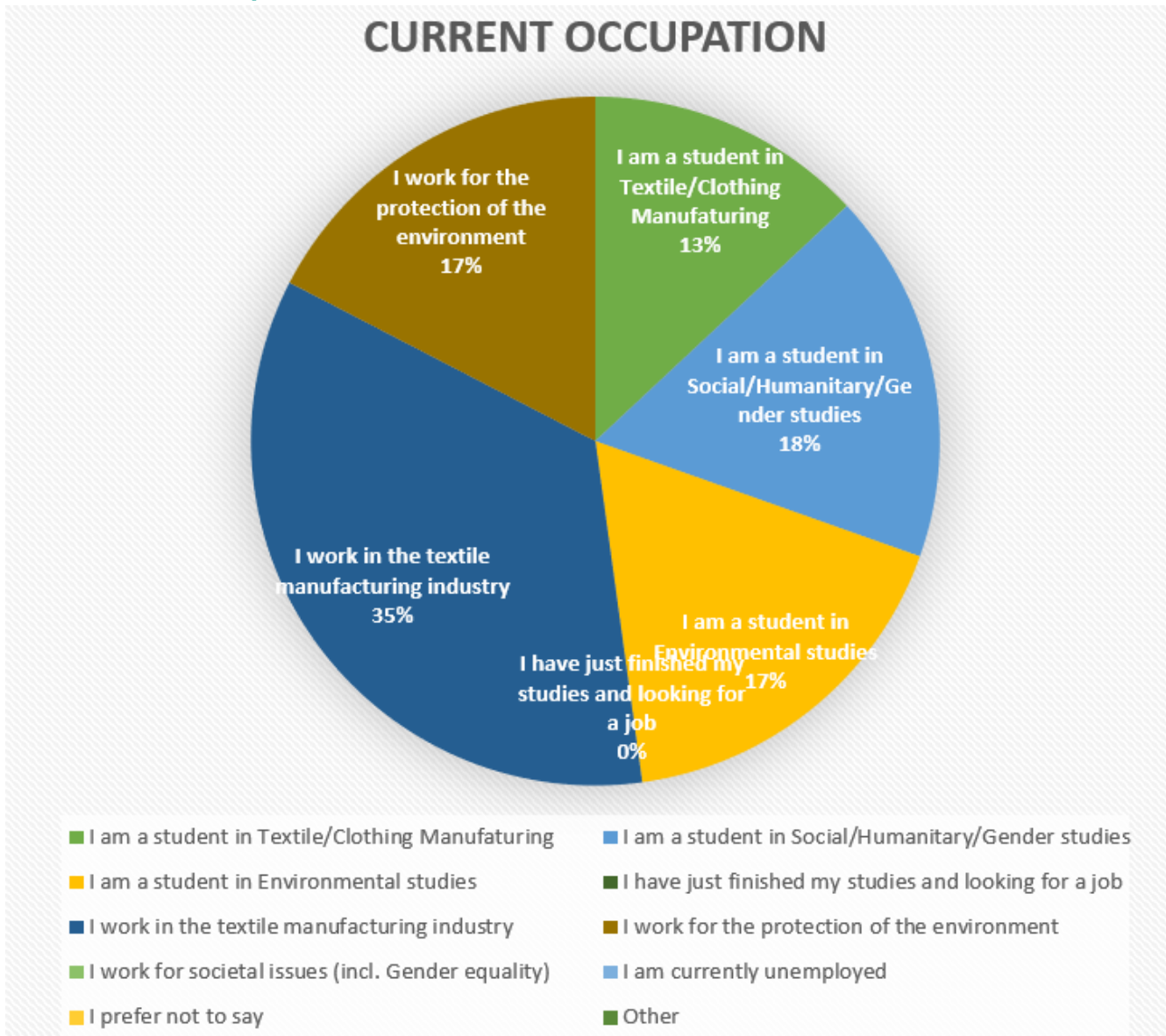




Graph 2. Educational level of participants



3.1.3 Current occupation



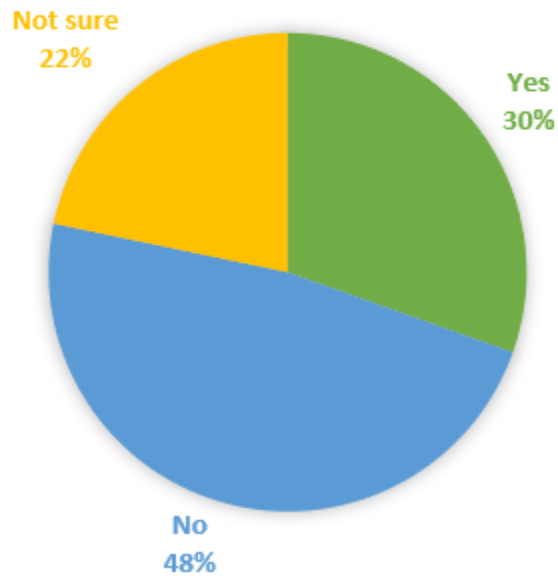
Graph 3. Current occupation of participants



3.2 Level of awareness

3.2.1 Knowledge of existing eco-sustainability actions by women

ACTIONS BY WOMEN FOR ENVIRONMENTAL SUSTAINABILITY

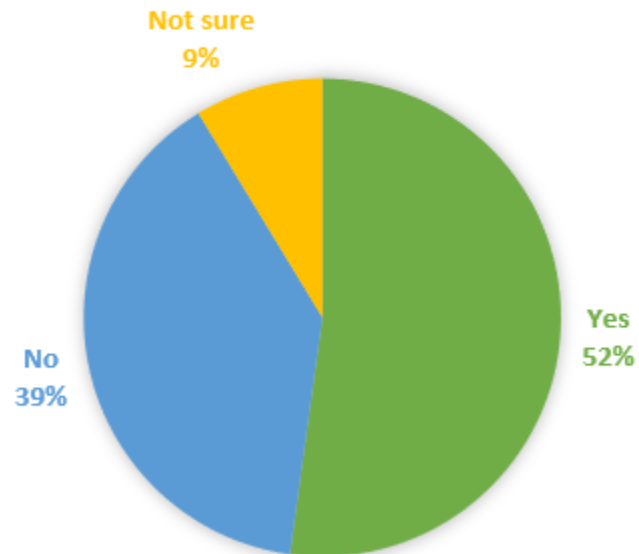


Graph 4. Participants' knowledge in environmental actions by women

3.2.2 Knowledge of existing eco-sustainability actions in textile industry



ENVIRONMENTAL ACTIONS IN THE TEXTILE INDUSTRY

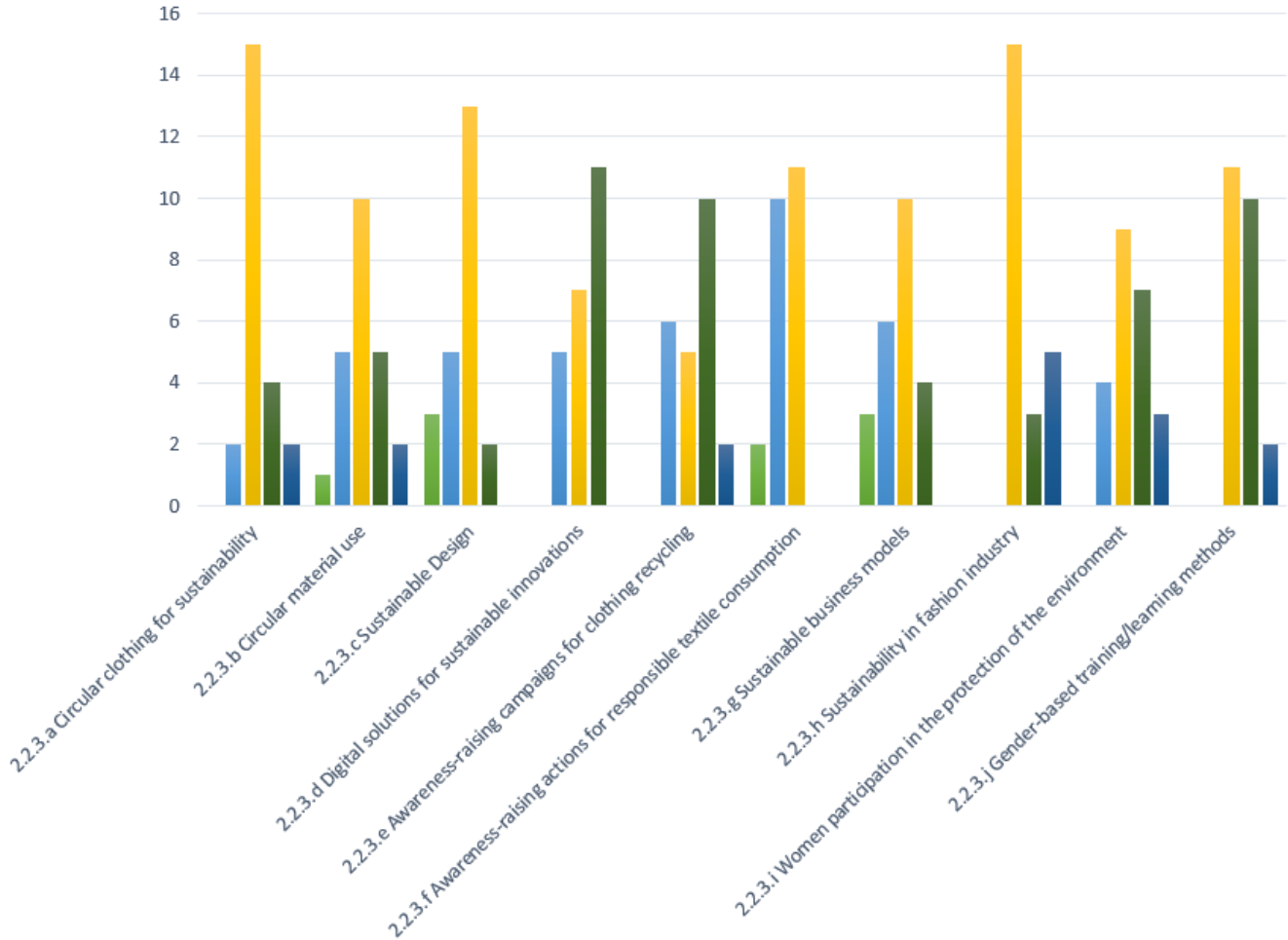


Graph 5. Participants' knowledge in environmental actions in textile

3.2.3 Awareness of sustainable and gender-equality concepts



LEVEL OF AWARENESS



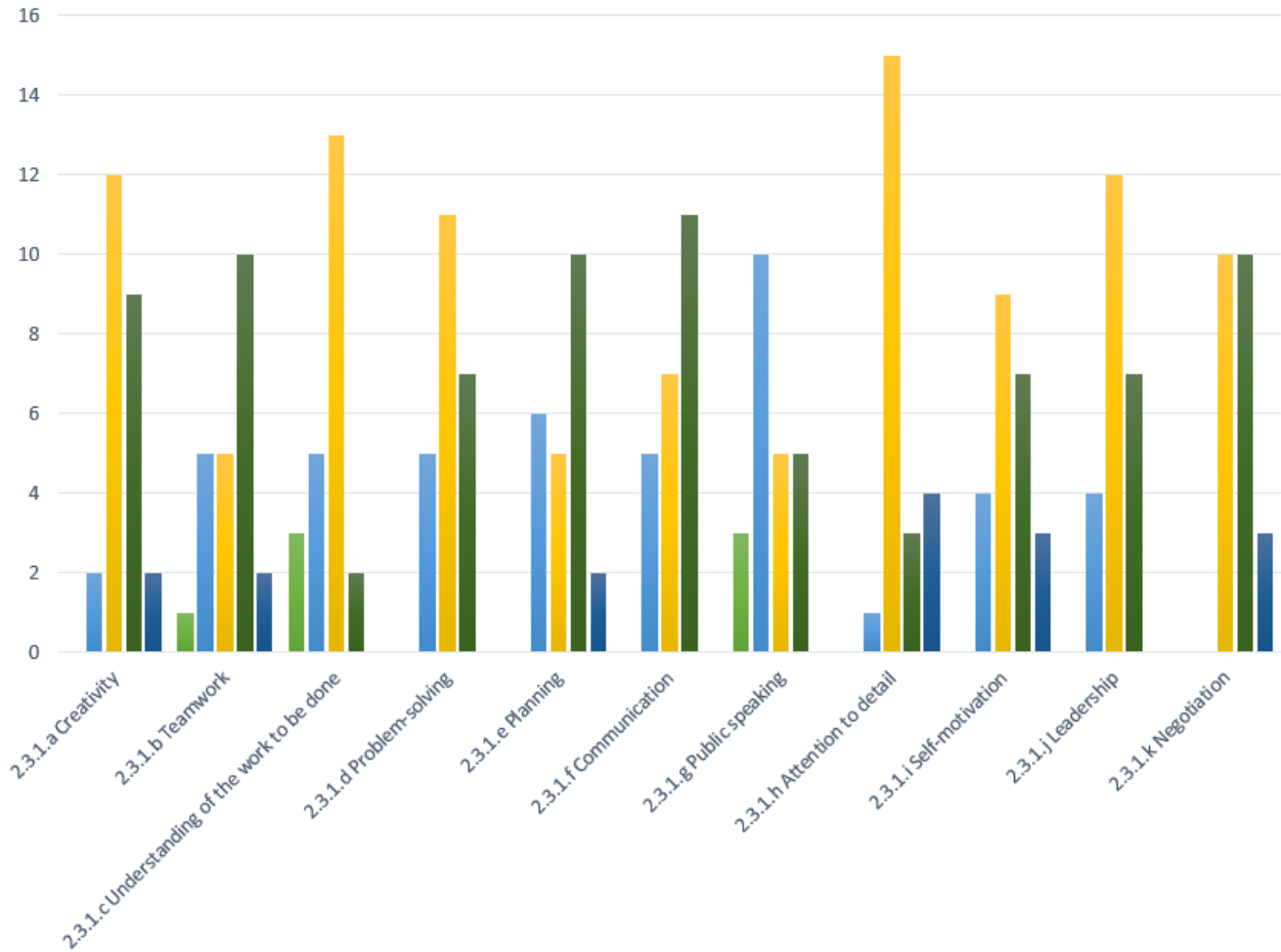
Graph 6. Participants' awareness in sustainable texting upcycling and gender equality

3.3 Level of skills

3.3.1 Level of hybrid skills



LEVEL OF SKILLS



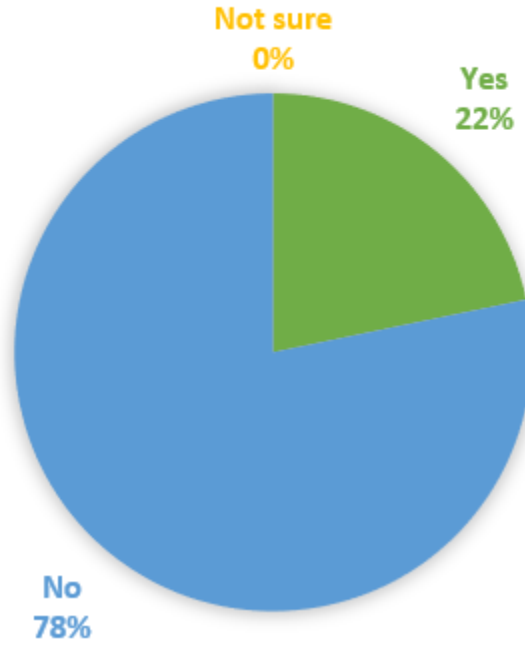
Graph 7. Participants' skills for sustainable textile upcycling

3.4 Experience

3.4.1 Prior training for environmental sustainability



PRIOR TRAINING FOR ENVIRONMENTAL SUSTAINABILITY

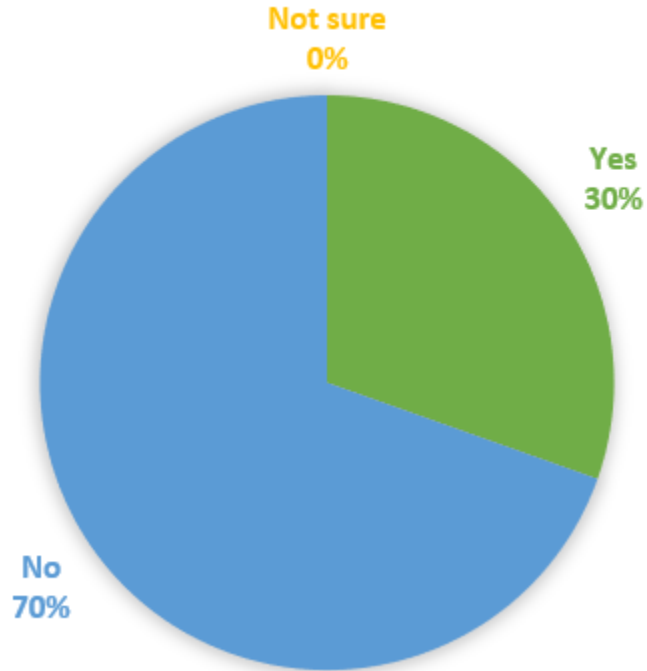


Graph 8. Participants' prior training for environmental sustainability

3.4.2 Prior training for gender equality



PRIOR TRAINING FOR GENDER EQUALITY

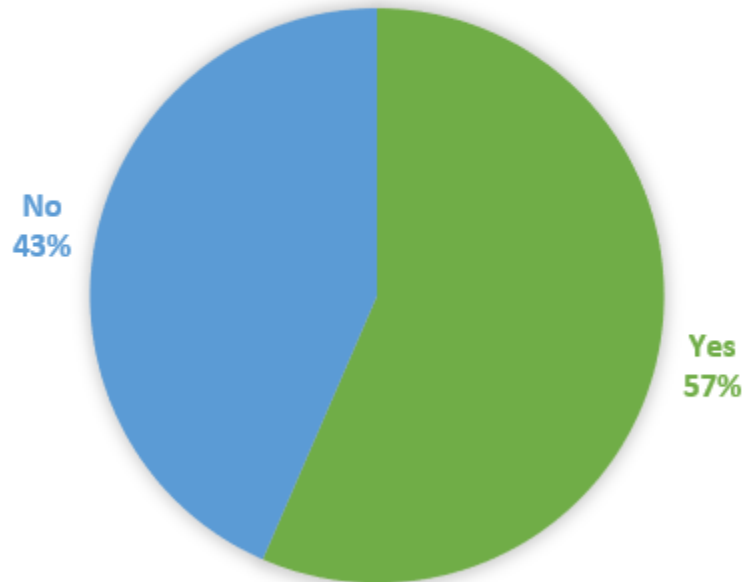


Graph 9. Participants' prior training for gender equality

3.4.3 Prior training for textile upcycling



PRIOR TRAINING FOR TEXTILE UPCYCLING



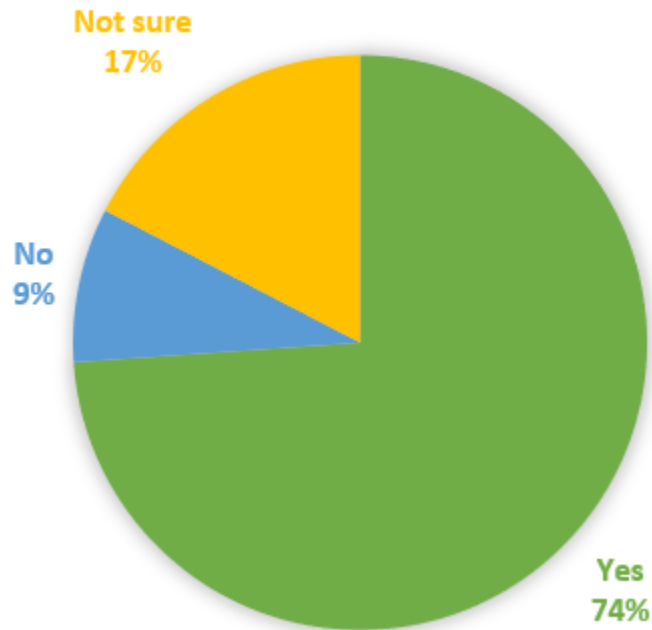
Graph 10. Participants' prior training for textile upcycling

3.5 Interest

3.5.1 Likelihood of AR4ReClothing



LIKELIHOOD OF AR4RECLOTHING

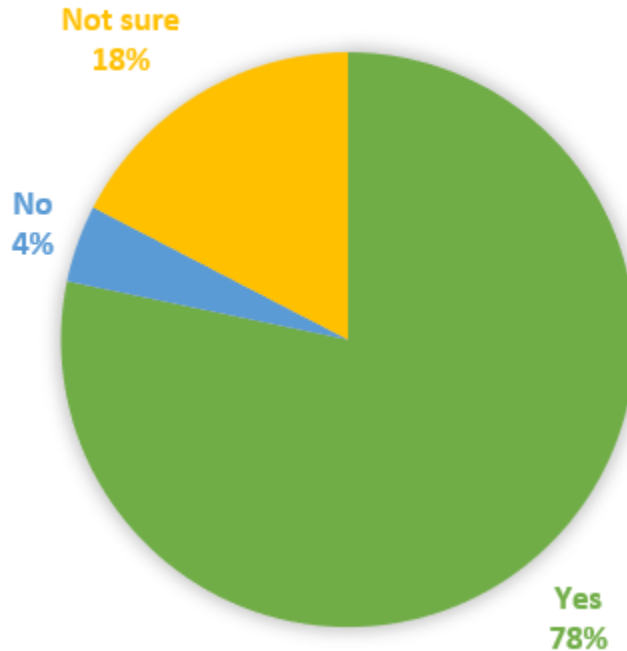


Graph 11. Participants' preference in the project

3.5.2 Interest in further participation



FURTHER INTEREST IN AR4RECLCLOTHING



Graph 12. Participants' interest in further participation

4. Conclusions

1. The only genders replied were men and women. Given that manufacturing industry is more popular among men, it is rational that most participants were men (15 out of 23).
2. Most of the respondents hold a master degree in their field of interest (10 out of 23) while there was no answer given for none.
3. The most popular occupation among the respondents was a job in the textile manufacturing industry (8 out of 23), which is the focus area of the project.
4. Regarding their level of awareness for women-initiated actions towards environmental sustainability, most respondents (11 out of 23) have no prior knowledge in any relevant practices.
5. Regarding their level of awareness for environmental initiatives in the textile industry, most respondents (12 out of 23) seem to be quite conscious in relevant practices
6. Regarding their awareness about project-related practices, the average level is around 3/5 which can be considered as basic or in some cases low level (especially for sustainable business models).
7. Regarding their level of skills, again an upskilling training should be organized. The highest level (3.7) appears in negotiation skills, while the lowest level (2.5) appears in public speaking skills.



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8. Most participants have not received prior training related to gender equality and/or environmental sustainability, whereas many of them have been trained in textile manufacturing. The rates are the following:
 - a. Environmental sustainability: 78% no prior training
 - b. Gender equality: 70% no prior training
 - c. Textile upcycling: 57% have received prior training
9. Luckily enough, the interest in further participation is quite high with most participants having clearly expressed their willingness (78%).