



coMics and IllustRations Augmented to tackle CLimate change in primary Education



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Work package n°3 ‘Miracel MOOC’

Deliverable Title: Needs Analysis Report

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Needs Analysis Report

Wrok Package 3

The following document presents the data collected in the questionnaire carried out for Activity 1 of Work Package 3: Needs Analysis. This questionnaire has analysed the needs of the MOOC of the MIRACLE project. It has been answered by 25 people from the partner organisations of the project.

Methodology

The questionnaire was carried out with the Survey Monkey tool, as it offers a more in-depth analysis of the data. The questionnaire has 17 closed and open questions that include demographic data, opinion about what content they would like to see in the MOOC, in what formats and with what tools, among others.

Participants

The questionnaire was answered by 25 participants collected from the different partner organizations. The ages of the participants are between 18 and +65 years old. Most of the responses are from participants between 45 and 55 years old. The rest of the participants are: 6 participant between 18 and 24 years old; 4 between 25 and 34; 4 between 35 and 44; 8 between 45 and 54; 1 between 55 and 64; and 2 over 65 years old.

The majority of participants are women (76%, 19 women), compared to 5 men (20%) and 1 person who responded as “other” (4%).

Regarding the role of the participants, the majority of them are teachers, but there are also people who have the roles of school directors, CEO and executive director, as well as project managers and researchers, among others.

The majority of participants are from Spain (28%), followed by Greece (20%), Malta (16%), Portugal (12%), Ireland (8%) and Croatia (4% each). There is also one participant from Kyrgyzstan and another from the U.S.

Data Analysis Report

The questionnaire has open and closed questions, which analyze the needs of the target group for the creation of the MOOC. Below are the different answers to the questions in the questionnaire.

What are your current practices in teaching climate change education?



Work Package 3 Activity 1 Needs Analysis Questionnaire

Q8 What are your current practices in teaching climate change education?

Answered: 20 Skipped: 5

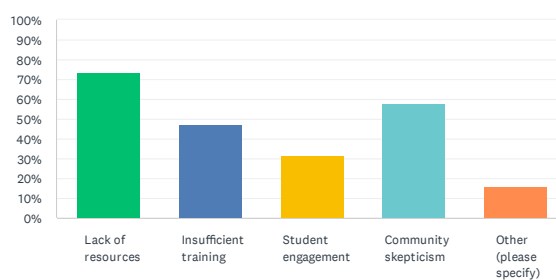
#	RESPONSES	DATE
1	We are learning the best recycling techniques through games and we try to get them to apply them at home.	8/20/2024 10:11 AM
2	I carry out some practices in relation to climate change, such as recycling or activities related to pupils' awareness.	8/20/2024 9:54 AM
3	interactive methods, such as projects, simulations and real case studies, to actively engage students.	8/19/2024 3:59 PM
4	None	8/19/2024 3:57 PM
5	Not many	8/19/2024 3:39 PM
6	We have eco-schools national programme	7/30/2024 9:41 AM
7	provision of AR tools	7/30/2024 8:34 AM
8	I am a beginner in teaching about climate change and I am piloting the MIRACLE resources.	7/29/2024 9:42 PM
9	Using OERs on ESD	7/29/2024 9:37 PM
10	Not applicable.	7/29/2024 9:32 PM
11	Teach the science behind climate change, including the greenhouse effect, carbon cycle, and climate modeling.	7/29/2024 9:20 PM
12	I am not currently teaching.	7/29/2024 9:20 PM
13	Discuss the impact of climate change on different regions, communities, and ecosystems.	7/29/2024 9:14 PM
14	I have presented lessons to a year 4 class mainly focusing on the concept of Fake news	7/27/2024 1:00 PM
15	I have thought the lessons through English lessons - over a period of 2 weeks.	7/18/2024 11:38 AM
16	only while implementing Miracle project	7/16/2024 6:47 PM
17	It depends on the age of the students. With older students we works through online articles and educational videos. With younger students we work with stories and short videos.	7/16/2024 1:21 PM
18	Creating the curriculum and lessons together with teachers	7/16/2024 11:12 AM
19	n/a	7/16/2024 9:30 AM
20	Convincing people that Trump is an idiot in bed with polluting companies	6/25/2024 2:20 PM

What challenges do you face in teaching climate change education? [Select all that apply]

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q9 What challenges do you face in teaching climate change education? [Select all that apply]

Answered: 19 Skipped: 6



ANSWER CHOICES	RESPONSES
Lack of resources	73.68% 14
Insufficient training	47.37% 9
Student engagement	31.58% 6
Community skepticism	57.89% 11
Other (please specify)	15.79% 3
Total Respondents: 19	



Regarding the percentage of people who have answered "other", challenges are included such as: *community engagement* ; *croatian national history curriculum is filled with content and gives not so many opportunities to freely implement other topics* ; and *U. S citizens who think Trump wals on water*.

How do you currently integrate digital tools into your teaching?

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q10 How do you currently integrate digital tools into your teaching?

Answered: 17 Skipped: 8

#	RESPONSES	DATE
1	through a tablet, in which students learn to use different applications that will be useful in their future	8/20/2024 10:11 AM
2	Digital tools are a fundamental axis in my teaching.	8/20/2024 9:54 AM
3	online platforms, educational apps, and interactive software to enhance learning	8/19/2024 3:59 PM
4	I don't use digital tools	8/19/2024 3:57 PM
5	Digital tools are used at a regular basis to show/explore new subjects	7/30/2024 9:41 AM
6	I am piloting the MIRACLE Lesson Plans.	7/29/2024 9:42 PM
7	Curriculum mapping for the integration of relevant OERs	7/29/2024 9:37 PM
8	Incorporate multimedia resources to illustrate the effects of climate change and the importance of sustainability practices.	7/29/2024 9:20 PM
9	Use platforms like eClass, Moodle, or Canvas to organize coursework, distribute assignments, and facilitate communication between students and teachers.	7/29/2024 9:14 PM
10	Gg	7/29/2024 2:44 PM
11	I enjoy using digital tools mainly the use of the tablet during lessons	7/27/2024 1:00 PM
12	Using apps on the childrens' tablets	7/18/2024 11:38 AM
13	we have tablets and use it for collectin information, maps, mozabook digital book, Pixton, Carva and Padletva	7/16/2024 6:47 PM
14	I integrate digital tools in all the lessons by using the interactive board and with older students we used the Leampad tablets as well.	7/16/2024 1:21 PM
15	Digital tools are part and parcel of our system	7/16/2024 11:12 AM
16	n/a	7/16/2024 9:30 AM
17	Access to content, completion of activities	6/25/2024 2:20 PM

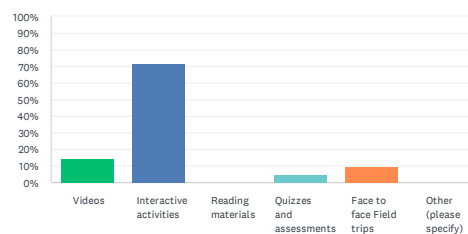
What types of resources do you find most usefult for teaching climate change ?

The most wanted resource is, with the 75% of the participants, interactive activities, followed by videos.

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q11 What type of resources do you find most useful for teaching climate change?

Answered: 21 Skipped: 4



ANSWER CHOICES	RESPONSES
Videos	14.29% 3
Interactive activities	71.43% 15
Reading materials	0.00% 0
Quizzes and assessments	4.76% 1
Face to face Field trips	9.52% 2
Other (please specify)	0.00% 0
TOTAL	21



What features would you like to see in a MOOC designed for climate change education ?

Again, the most repeated answers is « interactive activities ».

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q12 What features would you like to see in a MOOC designed for climate change education?

Answered: 18 Skipped: 7

#	RESPONSES	DATE
1	It has to be interactive, fun and practical, so that students pay attention and learn in a more entertaining way.	8/20/2024 10:14 AM
2	I would like the MOOC to be interactive and dynamic to encourage meaningful learning.	8/20/2024 9:56 AM
3	Interactive Content,discussion forums, real-world case studies...	8/19/2024 4:04 PM
4	Digital resources	8/19/2024 3:58 PM
5	Videos	8/19/2024 3:40 PM
6	Varied activities	7/30/2024 9:42 AM
7	Interactive activities	7/29/2024 9:43 PM
8	Interactive activities	7/29/2024 9:37 PM
9	Quizzes and assessments	7/29/2024 9:32 PM
10	Interactive courses and open licensing.	7/29/2024 9:25 PM
11	Interactive activities	7/29/2024 9:21 PM
12	Interactive activities	7/29/2024 9:14 PM
13	Interactive activities	7/27/2024 1:07 PM
14	Interactive content	7/18/2024 11:39 AM
15	videos, 3d models, reading material for students	7/16/2024 6:49 PM
16	Interactivity features.	7/16/2024 1:24 PM
17	All of the above	7/16/2024 9:31 AM
18	Interactive activities with instructor feedback. For Q13 below, there are five columns for responses but only four headings.	6/25/2024 2:22 PM

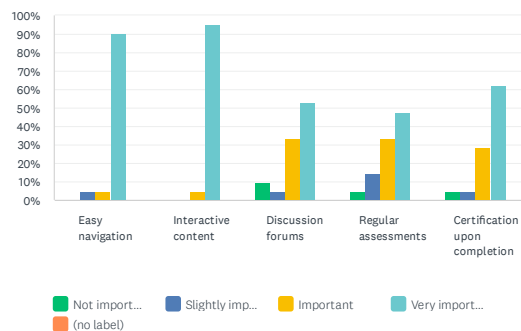
How important are the following features in a MOOC ?

Again, «interactive content » (and «easy navigation » are the most rated answers.

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q13 How important are the following features in a MOOC?

Answered: 21 Skipped: 4



	NOT IMPORTANT	SLIGHTLY IMPORTANT	IMPORTANT	VERY IMPORTANT	(NO LABEL)	TOTAL	WEIGHTED AVERAGE
Easy navigation	0.00% 0	4.76% 1	4.76% 1	90.48% 19	0.00% 0	21	3.86
Interactive content	0.00% 0	0.00% 0	4.76% 1	95.24% 20	0.00% 0	21	3.95
Discussion forums	9.52% 2	4.76% 1	33.33% 7	52.38% 11	0.00% 0	21	3.29
Regular assessments	4.76% 1	14.29% 3	33.33% 7	47.62% 10	0.00% 0	21	3.24
Certification upon completion	4.76% 1	4.76% 1	28.57% 6	61.90% 13	0.00% 0	21	3.48

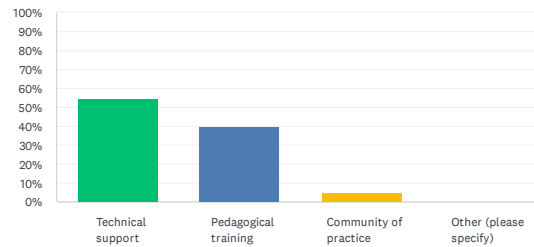


What kind of support do you need to effectively use the MOOC?

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q14 What kind of support do you need to effectively use the MOOC?

Answered: 20 Skipped: 5



ANSWER CHOICES	RESPONSES	
Technical support	55.00%	11
Pedagogical training	40.00%	8
Community of practice	5.00%	1
Other (please specify)	0.00%	0
TOTAL		20

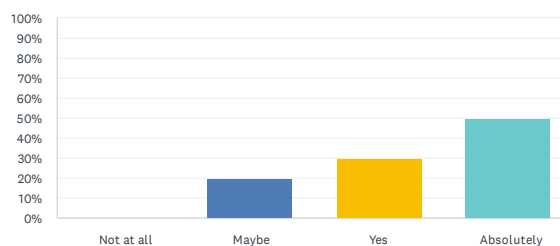
Would you be interested in participating in training sessions on using the MOOC?

The vast majority of participants responded that they would like to participate in training sessions (60%).

Work Package 3 Activity 1 Needs Analysis Questionnaire

Q15 Would you be interested in participating in training sessions on using the MOOC

Answered: 20 Skipped: 5



ANSWER CHOICES	RESPONSES	
Not at all	0.00%	0
Maybe	20.00%	4
Yes	30.00%	6
Absolutely	50.00%	10
TOTAL		20

How do you prefer to receive training?

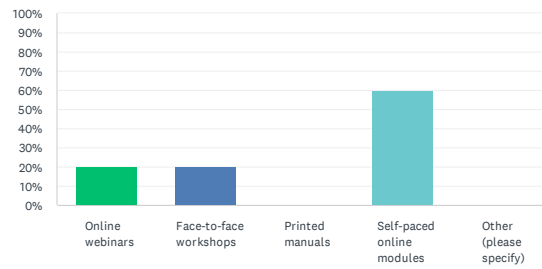
The vast majority of participants, around 73%, indicated that they would prefer this training in “self-paced online modules”. Options such as online webinars and phase-to-face workshops have also been marked.



Work Package 3 Activity 1 Needs Analysis Questionnaire

Q16 How do you prefer to receive training?

Answered: 20 Skipped: 5

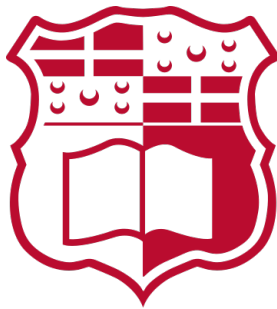


ANSWER CHOICES	RESPONSES	
Online webinars	20.00%	4
Face-to-face workshops	20.00%	4
Printed manuals	0.00%	0
Self-paced online modules	60.00%	12
Other (please specify)	0.00%	0
TOTAL		20

The last question asked if the participants had any other comments or suggestions to make. All participants have answered no.



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