



Report Expert evaluation WP2

Wi-Mi (Open: Wide Minds will Find Eco Virtual STEAM Solutions towards Climate change!)

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Introduction

Within WP2 partners from the start of the project worked on Pedagogical strategy, lesson plans and video materials to promote different educational solutions towards climate change. To evaluate the produced materials each partner organization contacted 3 teachers who are eligible to assess the materials from qualitative and quantitative aspects. Primary school Glina decided on 3 teachers that have experience of minimum 10 years being teachers with a degree in a relevant field and currently teaching to students between 10 and 14 years old. 3 teachers involved in the Expert evaluation are Maths teacher, Science and Biology teacher and Physics and ICT teacher.

The evaluation form was made by the partner organizations and it was given to the experts to evaluate the materials. This form allowed participants to express their opinions in detail, providing a valuable source of qualitative information.

Results

Results given by the experts show that the overall evaluation of the pedagogical strategy, lesson plans and video materials produced within WP2 is very good. Experts feel that chosen chapters of the pedagogical strategy would help users to reach a



better understanding of climate change because it focuses on different areas within STEAM. Also they think that examples for each area are useful and give good examples of implementation in everyday classes. In their report they state that the content of all 6 chapters is sufficient with good examples on how to incorporate climate change topics into different areas of STEAM. Some chapters provide better examples that are more usable in the everyday teaching process. Also presented activities are appropriate, detailed and easy to use because they are very well explained with links to additional materials. There is enough content included that can be used and that gives teachers the possibility to implement. Experts feel that this pedagogical strategy would increase teachers' capability/skills over climate change issues because in the national curriculum of different STEAM subjects the topic is not involved as much as it should be. Applying the pedagogical strategy, different STEAM subject topics can be connected with the climate change problem and presented to the students. All experts state that they would share the pedagogical strategy with colleagues and different schools.

Lesson plans presented to the experts are appropriate for the target group (students from 10 to 14 years old). They feel that all lesson plans can be done during class and that they would help them address the climate change problem more easily. All lesson plans are detailed enough and provide step by step guide on how to implement the lesson plan as well as materials needed for its completion. They find videos as a great help on how to use different teaching methods and strategies but also how to connect them to the climate change topic. Video material provided in a brief and interesting way gives basic information that later can be researched and implemented. All experts suggest using lesson plans in regular classes but also part of school extracurricular activities or school clubs.

Conclusion

Results obtained throughout the evaluation process of WP2 show the much higher need of implementing the climate change topic in regular classes. The topic is not done as much as it should be so this pedagogical strategy gives teachers a possibility to get to know more about the topic in different STEAM areas. Different examples and lesson plans make it even more accessible to teachers so that they can start using them right now. The fact that all will be combined and put on the project webpage is also a big advantage. WP2 can be seen as a great help to teachers who want to introduce climate change topics even more into their everyday teaching.