

## PARTNERSHIP

The project brings together 8 organizations from 4 countries:

- Warsaw University of technology (PL) - <https://www.pw.edu.pl/engpw> (coordinator)
- EDUMOTIVA- European Lab for Educational Technology (GR) - <http://edumotiva.eu>
- University of Minho/Institute of Education(PT) <https://www.ie.uminho.pt/pt>
- University of Siena (IT) <https://en.unisi.it/>
- 23rd gymnasium of Athens (GR) [tinyurl.com/23gymnasium](http://tinyurl.com/23gymnasium)
- Queen Jadwiga X High School in Warsaw (PL) <https://krolowka.pl/>
- IIS Cavazzi Pavullo nel Frignano (IT) <https://istitutocavazzi.edu.it/>
- Externato de Vila Meã (PT) <https://externatovilamea.pt/>

**Warsaw University  
of Technology**





## THE BEREADY PROJECT


**SUPPORTING THE CONTINUATION OF TEACHING  
STEM SUBJECTS DURING THE COVID-19  
PANDEMIC THROUGH PROJECT-BASED ONLINE  
PRACTICES**

## CONTACT:

 <https://www.beready.pw.edu.pl/>

 [beready.erasmus@pw.edu.pl](mailto:beready.erasmus@pw.edu.pl)

 @BereadyE

 @BeReadyErasmusPlus



**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.

**MARCH 2021 - FEBRUARY 2023**

**GRANT NUMBER: 2020-1-PL01-KA226-SCH-095959**

## SUMMARY

The Covid-19 outbreak has forced schools into new modes of learning that are limiting and incomplete as teachers and students work at a distance. The challenges this situation imposes on teachers includes the necessity of quick development of high quality educational content, teaching methodology adjustment and meaningful use of a variety of digital tools.

The BeReady project builds a strategic partnership for Digital Education Readiness in the field of STEM education, aiming at supporting secondary school teachers of STEM subjects in continuing their teaching online. In achieving this goal, an online course that revolves around the online realization of STEM projects will be offered to the teachers, together with educational resources (videos, presentations, simulations and more). The innovative aspect of the project is that instead of simply providing ready-made resources to the teachers, it smoothly reveals the methodology (pedagogical and technical) upon which these resources were designed. Having practically engaged the teachers in the BeReady course, the project goes a step further by inviting them to design their own STEM projects and resources and try them out online with their students.

The partnership aims at promoting networking of institutions across the EU, collaboration with digital technology experts in STEM Education and contributing to the development of online & distance pedagogical practices based on project-based learning and constructionism pedagogy as a response to the challenges faced during the pandemic outbreak.

Pilot studies with teachers and students will take place in Poland, Greece, Portugal and Italy.

## TARGET GROUPS

- STEM school teachers at secondary school level
- Secondary school students (13-17 years old)

## MAIN PROJECT OBJECTIVES

The objectives for the project are:

- To develop resources for teachers to support them in creating meaningful online learning experiences in STEM
- To help teachers build confidence in carrying out online STEM projects
- To continue offering students opportunities to explore STEM disciplines and stimulate their interest in STEM even when schools are closed
- To enable teachers to act as designers of digital educational content and OERs in STEM for online teaching
- To plan and enact activities and workshops that promote teacher professional development and pedagogical change towards online STEM teaching
- To build synergies among schools, academia and research towards ensuring the quality of the developed OERs and the wider uptake in school communities

## PROJECT RESULTS

The results include:

- The pedagogical handbook for teachers that details the pedagogical methodology and reviews digital tools that can be used for offering meaningful learning experiences online in STEM
- The online course which includes 4 exemplary interdisciplinary STEM projects for secondary school education
- At least 4 STEM projects and a variety of supporting OERs for students that have been designed by teachers/educators following the project methodology
- 2 training workshops for teachers
- Pilot activities with teachers and students through which feedback will be generated resulting in refined OERs
- 4 multiplier events in Poland, Greece, Italy and Portugal

