

O2: “Virtual training platform on robotics and marine intelligent technologies”

Start Date: 01 Sep 2021

End Date: 30 Jun 2023

1. Description

The project will facilitate the use of digital technologies and innovative and open pedagogies for both partners through the development of a virtual training platform (VTP) in the field of marine intelligent technologies. The platform based on MOODLE environment will include video-conference facilities and advanced distributing learning resources. The platform will be an open source for the implementation of mutual learning activities, exchange of academic knowledge, experience, and good practices in the field of marine intelligent technologies, supporting the exchange of staff and students, enabling employers to access project activities, thus encouraging the involvement of students in activities that allow direct contact with economic partners and in solving concrete problems. The courses developed within the project will be uploaded in VPT to be accessed by students, and academic staff, evaluated by academia and business and taken over by other MHEIs.

VTP will contribute to the implementation of mutual learning activities, exchange of academic knowledge, experience, and good practices within the marine intelligent technologies field with an emphasis on practical experience in courses, supporting staff and student exchanges, and engaging employers in designing and delivering programs, encouraging the involvement of students in activities enabling direct contact with economic partners and practical way of solving concrete problems. VTP will promote and develop innovative teaching methods through collaboration. Invited experts in the field of marine intelligent technologies will deliver online lectures that will help the students to better understand the courses

After the project concludes, the VTP will be used in the current professional activities of both partners, as all information to be used by the academic staff and by the MSc students of both partners, but also with the option of being accessed by stakeholding companies, universities, and public authority interested to share knowledge in the field of marine intelligent technologies. Is very important to specify that VPT will produce a positive impact on the teaching environment, where both partners will get access to a larger pool of facilities and resources, also available for partner universities concerned in the field of marine intelligent technologies.

2. VTP structure

The VTP structure consist in:

- 1 virtual advanced distributed learning platform for sharing the course content to the students for specific courses developed in O1 (course materials, video tutorial, digital resources);

- 1 virtual collaborative e-campus for teachers and researchers, where the academics to be connected peer-to-peer with their colleagues in the partner campuses, by forum dialogue, sharing the teaching practices results in the marine intelligent technologies area of knowledge;

- 1 virtual e-section dedicated to promoting the infrastructure facilities where each partner will be able to provide information about their didactic infrastructure and the conditions under which laboratories and infrastructure could be available for interested persons/researching groups, among the partners. The innovation consists of the genuine idea of an e-campus set up, that will comprise not only the learning materials distribution, but also the research infrastructure sharing portal and the peer-to-peer researching forum to coagulate the entire academic community of both partner universities.