

## Erasmus+ Scholarships

The SMARTSEA Program has a total of 40 scholarships to offer for the academic year Oct 2021 - June 2022.

Erasmus+ scholarships can be offered to students from any European Union region and at least 5 to students from around the world.

The Erasmus+ student scholarship includes:

- Student participation costs (including tuition fees and any other administrative costs)
- Contribution to student travel and living costs during the mobility periods between institutions and to their one month industrial practice.

### Apply:

[smart-sea.eu](http://smart-sea.eu)

or:



## Contact



SMARTSEA Program (General information)  
[info@smart-sea.eu](mailto:info@smart-sea.eu)



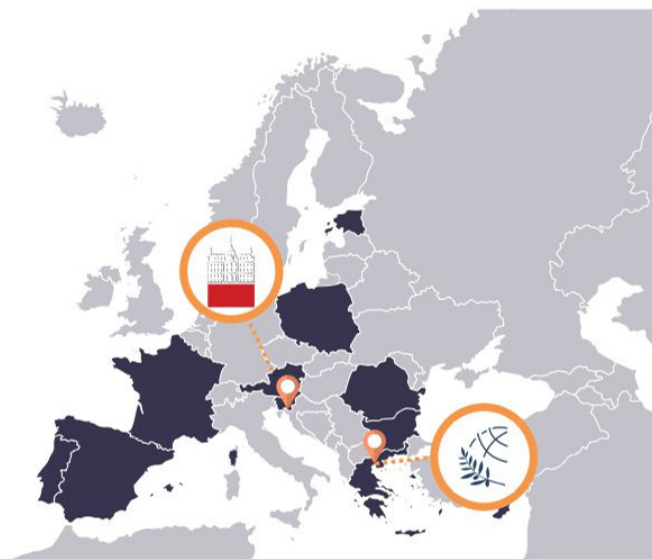
Prof. Juan M. Corchado (Project Coordinator)  
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[www.smart-sea.eu](http://www.smart-sea.eu)

## Master studies in:

**Slovenia** (University of Ljubljana)

**Greece** (International Hellenic University)



## Project Partners



# SMARTSEA

## MSc on Smart Maritime & Surveying Systems

An Erasmus+ Joint Master Degree



Co-funded by the  
Erasmus+ Programme  
of the European Union





## About

Our mission is to provide an innovative curriculum in the theme of **Maritime & Marine Surveying IoT systems & land-based infrastructure**, that includes **interactive teaching methods and partnerships with major educational and industrial organizations**, giving students a solid grounding for starting a fruitful career in the corresponding industry or enable professionals to gain extra skills & knowledge and at the same time prompting local communities and authorities to embrace the new technologies and their benefits.

The course combines new learning and teaching methods through interactive reconfigurable laboratory apparatus, an e-Learning platform to enable distant sharing of knowledge and remote access to measurement systems. Along with academic excellence, SMARTSEA strives to achieve a fine balance between theory and practice to enhance the competitive edge of SMARTSEA students.

For this purpose, **six universities** (International Hellenic University, Escola Superior Náutica Infante D. Henrique, Maritime University of Szczecin, University of Ljubljana, Tallinn University of Technology, University of Salamanca), two SME's (Cerca Trova Ltd, ECQA GmbH), **one research centre** (National Institute for Marine Research and Development "Grigore Antipa") and **three environmental surveying & shipping companies** (RINA Hellas SA, Creocan & Danaos Shipping Company Ltd) joined to create this MSc degree.



## Programme structure

The program is designed to educate the next generation of engineers, marine & maritime professionals.

The SMARTSEA MSc degree is spread over **1 academic year** comprised of **two terms**, for a total of **60 ECTS credits**. Students are distributed across two teaching universities (University of Slovenia & the International Hellenic University) according to their chosen thesis specialization path. The thesis & specialization paths are:

- **Maritime IoT Systems**  
(University of Ljubljana, Slovenia)
- **Marine Surveying Underwater Drones**  
(International Hellenic University, Greece)

Regardless of the chosen path, students will study in total 24 course lessons with applied engineering concepts as well as industry insights in order to emerge the students into Maritime & Surveyor ICT/IoT core components, their functionality and maintenance, their safety and sustainability.

The common language of teaching will be English whereas the program will offer language courses in Slovenian & Greek to enable the participants to immerse in the local culture of the place they will visit during the exchange periods

## Admission

Candidates need to have at **minimum a Bachelor degree in engineering** (mechanical, chemical, electrical, electronic, etc), in **sciences** (physics, chemistry, mathematics, computer science, IT, etc), **marine & maritime studies** or in **economics** but with an engineering background.

## Dates & Mobility Periods

Student Applications: **November 2020 - June 2021**  
Enrolment: **July - August 2021**  
Course start: **October 2021**  
Course end: **July 2022**

All in-person courses may transition to remote instruction due to the COVID-19

The MSc course includes three student mobility periods:

**December 2021:** Students & educators from the University of Ljubljana, will travel to Thessaloniki, Greece for 14 days to study along the students of the International Hellenic University and participate in lectures & in a large scale laboratories.

**April 2022:** Students & educators from the International Hellenic University will travel to Portorož, Slovenia for 14 days to study along the students of the University of Slovenia and participate in the development of the IoT & underwater drone systems.

**June 2022:** Students will be allocated to four different Marine & Maritime institutions across Europe (France, Poland & Greece) to undergo one month of industrial practice, use in real-life scenarios their developed system and get hands-on experience.

## Degrees

All students will be awarded a **MSc degree from the International Hellenic University**. The degree follows the European Credit Transfer & Accumulation System (ECTS) for certification recognition across the EU and around the world.



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