PORTWIMS H2020 SUMMER SCHOOL
BLUE GROWTH, INNOVATION & ENTREPRENEURSHIP
Lisbon, 20th to 24th June 2022

WHAT IS IT?

A Summer School dedicated to enhance skills on blue entrepreneurship, held just before the Lisbon United Nations Ocean Conference 2022 (https://www.un.org/en/conferences/ocean2022). It is promoted by the H2020 PORTWIMS Project (https://www.portwims.org), supported by three highly prestigious institutions for marine research, technology transfer and blue entrepreneurship: The Marine and Environmental Sciences Centre (Portugal), the Plymouth Marine Laboratory (UK) and the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (Germany). The PORTWIMS Summer School counts also with the participations of keynote speakers from most relevant stakeholders in blue economy, from Venture Capital to intellectual property rights and case studies of technology transfer. The PORTWIMS Summer School counts also with institutional support of the Direção Geral de Política do Mar - General Directorate of Marine Policy and the Lisbon University.

The PORTWIMS project - Portugal Twinning for innovation and excellence in marine science and Earth observation (https://www.portwims.org), is an H2020 Twinning project involving the Faculty of Sciences of Lisbon University (MARE Centre - http://www.mare-centre.pt/en) in Portugal, the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI - https://www.awi.de/en.html) in Germany and the Plymouth Marine Laboratory in the United Kingdom (PML - https://pml.ac.uk/).

The aim of PORTWIMS project is to enhance the marine science, technology and innovation, particularly focusing on technology transfer, stimulating startups and spinoffs and highly qualified jobs. This goal is to be achieved by dedicated initiatives, namely through summer schools which is now launched.

OBJECTIVES OF THE SUMMER SCHOOL

The objectives are to provide insight into value chains from invention to innovation, including the necessary mind-set within academia, technology scouting, intellectual property issues, patent portfolios, licensing, industry co-operations and contract. The “Summer School” aims at encouraging young people involvement in blue economy sectors by offering high-quality technical knowledge and fostering their entrepreneurial spirit, covering different areas of the blue economy and stimulating the attractiveness to maritime jobs as well as the employability of graduates. It will also increase the
entrepreneurial awareness amongst graduates and, potentially, the number of spin-offs and new highly-qualified jobs, respectively.

The summer school will address innovation-related issues in order to motivate graduate and post-graduate students and promote entrepreneurial thinking amongst academia. The planned summer school programmes include the following issues: Value chains from invention to innovation, basics of innovation management, intellectual property issues, patenting, licensing, industry co-operations and contract research, business development, spin-off preparation as well as an introduction to contracting and industry negotiations. Examples to illustrate this process chains.

The Summer School is organised over 5 full days with components:

i) 1,5 days for an open seminar with high level invited talks on underwater and seafloor observation platforms, marine robotics, examples of underwater sensors, new sampling techniques, bionic approaches developed from plankton research, and aquaculture: academic research plays a major role in a knowledge-based balance between uses and preservation of our seas. Observation technologies can exhibit the nucleus of scalable solutions and, therefore build a bridge from science to application.

ii) 3,5 days are dedicated to training from basic knowledge on blue economy to the development of business ideas / startups, knowledge and technology transfer (KTT), including internal process chains applied, major thematic fields of innovation, intellectual property rights (IPR), technology transfer office (TTO) support competences and capacities, internal and external co-operations, internationalisation of transfer activities, cost-benefit analysis and business plans.

SUPPORTS

The summer school has the institutional support of the Portuguese General Directorate for Marine Policy (DGPM) and the Faculty of Sciences of Lisbon University.

OUTPUTS

The participants will be stimulated to present an idea/project to develop which will be followed and accompanied by the organizers and experts. There will be a final selection of projects to be supported by mentoring, technical, legal and business advisors. A prize money will be attributed to the best project, as seed money.

WHO CAN APPLY?

The summer school is mostly dedicated to graduate and post-graduate students as well as young entrepreneurs and innovators. Attendees shall have own innovation and/or
business ideas, respectively, which they are willing to present and ideally further develop during the workshops of the summer school. (Participants therefore will have to sign a confidentiality declaration and must not use and disseminate content of other attendees.)

**HOW TO APPLY?**

A call will be launched by the PORTWIMS partner institutions by the 21st of February until the 26th of April and the selection of candidates will be published by the 9th of May.

The call will be available at the PORTWIMS site: [https://portwims.org](https://portwims.org)

**Candidates should present:** 2 pages CV; Motivation for participating in the Summer School, own career, relevant scientific interests, interests and social skills, summary of an idea of an innovative project/product/business to develop), within the context of marine sciences/blue economy (max 2 pg.).

**HOW MANY PARTICIPANTS WILL BE ADMITED?**

The course will admit fifteen (15) participants.

**WHERE?**

The course will be held at the Tec Labs - Innovation Centre from the Faculty of Sciences of University of Lisbon, Campo Grande ([https://teclabs.pt/en/](https://teclabs.pt/en/)).

**COSTS?**

The course is free of charges and will be supported by PORTWIMS project.

All costs and arrangements regarding travelling, accommodation and *per diem* expenses are to be covered by the participants.
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<th>Day 1 20 June BLUE TALKS</th>
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<td>Reception</td>
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<td>Preliminary presentation of ideas from students. Flash talks from students</td>
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<td>9h00 - 9h15</td>
<td>Welcome Breakfast &amp; Networking</td>
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<td>Ocean Economy in 2030 &amp; Blue Growth</td>
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<td><strong>TALK 4</strong> — EU Growth 14 — state of play in the EU and the road to 2030</td>
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<td>Vanda Dore</td>
<td>10h45 - 12h30</td>
<td>Catarina Grilo ANP, José Poças Esteves, Paulo Pedro</td>
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<td>10h45 - 12h30</td>
<td><strong>Innovation and Blue Growth – Best Practices</strong></td>
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<td><strong>Case Studies: Blue Startups that made it</strong></td>
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<td>Eberhard Sauter</td>
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<td><strong>Intellectual Property &amp; Corporation model</strong></td>
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<td><strong>TALK 1</strong> From Marine and Polar Research to Application</td>
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<td><strong>Promote your product and reach the market</strong></td>
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<td>12h30 - 13h30</td>
<td><strong>Workshop:</strong> Present your project Idea</td>
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<td>14h00 - 16h00</td>
<td><strong>TALK 2</strong> Earth Observation Opportunities in Marine Science, from Ocean to Coast</td>
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<td><strong>National Portuguese Blue funds</strong></td>
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<td>EEA Grants</td>
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<td><strong>Lab with tutorship:</strong> Getting Acquainted/ Developing Ideas</td>
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<td><strong>Workshop:</strong> How to apply a call</td>
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INSTITUTIONS INVOLVED AND KEYNOTE SPEAKERS

- **DGPM – Direção Geral de Política do Mar** – (https://www.dgpm.mm.gov.pt/)
  Vanda Dores – Head of Strategy Department of DGPM
  Sandra Silva – Head of Programming Department of DGPM

- **Rectory of Lisbon University** – (https://www.ulisboa.pt/en/)

- **Faculty of Sciences of Lisbon University (FCUL) - Mare Centre**
  (http://www.mare-centre.pt/en)
  Vanda Brotas – General coordinator of the PORTWIMS Project
  (https://portwims.org/Home)

- **AWI - The Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research**
  (https://www.awi.de/en.html)
  Eberhard Sauter - Head AWI Technology Transfer Office
  Christian Hamm - Head of Unit Bionic Lightweight Optimization and Functional Morphology at AWI

- **PML - Plymouth Marine Laboratory** (https://www.pml.ac.uk/)
  Steve Groom - Head of Science at PML
  Nicola Beaumont- Head of Science - Sea and Society at PML

- **Portugal Ventures** – (https://www.portugalventures.pt)
  Rui Ferreira – Executive Vice-President

- **Mare Startup** (http://www.mare-startup.pt/en)
  Mare Startup Consortium integrates: FCUL, Universidade Católica Portuguesa, Fórum Oceano and SaeR
  José Guerreiro – General Coordinator of Mare Startup/ Professor at the FCUL

- **SaeR - Sociedade de Avaliação Estratégica e Risco Lda.** (www.saer.pt/)
  José Poças Esteves - Managing Partner
  Sónia Ribeiro

- **Universidade Católica Portuguesa** (https://www.ucp.pt/?set_language=en)
  Pierre Gein – Lisbon School of Business & Economics
  Sónia Ribeiro - Institute for Political Studies

- **Fórum Oceano** (http://www.forumoceano.pt/?site_lingua=en)
  Rúben Eiras – Secretary General
  Francisco Beirão – General Coordinator of Lisbon Delegation
• VdA – Viera de Almeida Law Firm (https://www.vda.pt/en/)
  David Paula – Associated Partner for communications, data protection and technology

• BIOMIMETX SA – Gonçalo Costa

• Horta da Ria Lda. – Júlio Coelho

• Caviar Portugal – Paulo Pedro

• ANP- Associação Natureza Portugal ANP em Associação com a WWF
  Catarina Grilo - Director of Conservation and Policy

• ELiSE GmbH – (http://www.elise.de)
  Christian Hamm