



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 seminary 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>

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/>).

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.

PORTWIMS H2020 SUMMER SCHOOL

BLUE GROWTH, INNOVATION & ENTREPRENEURSHIP

Lisbon, 20th to 24th June 2022 – Programme

Day 1 20 June BLUE TALKS		Day 2 21 June BLUE TALKS		Day 3 22 June		Day 4 23 June		Day 5 24 June	
8h30 – 9h00	Reception	9h00 – 10h30	TALK 3 Sustainable Use of Ocean Resources Nicola Beaumont PML	9h00 – 10h30	Preliminary presentation of ideas from students. Flash talks from students Mare Startup (SaeR, UCP)	9h00 – 10h30	Risk analysis José Poças Esteves CEO SaeR	9h00 – 10h30	Intellectual Property Rights & Corporation model David Paula Vda -Lawyer Society
9h00 - 9h30	Welcome Breakfast Ideating	10h45 - 12h30	TALK 4 SDG 14 – state of play in the EU and the road to 2030 Catarina Grilo ANP	10h45 - 12h30	Case Studies: Blue Startups that made it Invited Guests Biomimex Gonçalo Costa Horta da Ria Júlio Coelho ELiSE GmbH Christian Hamm Caviar Portugal Paulo Pedro	10h45 - 12h30	Financing a Blue Startup: Business Angels Rui Ferreira Portugal Ventures	11h00 - 12h30	The role of Business Angels and Accelerators Rúben Eiras Fórum Oceano
9h45-11h00	Ocean Economy in 2030 & Blue Growth Vanda Dorez DGPM – Head of Strategy Department Opening Session PORTWIMS Coordination Rectory of Lisbon University	14h00 - 15h45	Innovation and Blue Growth – Best Practices Aquaculture Underwater technology Earth Observation Biotech Technology transfer: procedures & Case Studies Eberhard Sauter AWI	14h00 - 15h45	Workshop: Meet with Blue Entrepreneurs	14h00 - 15h30	EU funding mechanisms Steve Groom PML	14h00 - 15h45	Promote your product and reach the market Eberhard Sauter AWI
11h15 - 13h00	TALK1 From Marine and Polar Research to Application Eberhard Sauter AWI	16h00 – 17h30	Getting started: From the idea to a startup Christian Hamm AWI/ELiSE GmbH	16h15 - 17h30	The making of a Business Plan Pierre Gein Lisbon School of Business & Economics	16h00 - 17h30	National Portuguese Blue funds EEA Grants Sandra Silva DGPM	16h15 - 18h30	Workshop: Present your project Idea Mare Startup (SaeR, UCP)
14h30 - 16h00	TALK2 Earth Observation Opportunities in Marine Science, from Ocean to Coast Steve Groom PML	17h45-18h45	Lab with tutorship: Getting Acquainted/ changing experiences Mare Startup (SaeR, UCP)	17h45 - 18h45	Lab with tutorship: Developing Ideas Mare Startup (SaeR, UCP)	17h45 - 18h45	Lab with tutorship: how to apply a call Mare Startup (SaeR, UCP)		

*Please note that the organization may be subject to changes depending on the evolution of the global situation of COVID-19.



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

PML | Plymouth Marine
Laboratory



Funded by the Horizon 2020
Framework Programme of
the European Union