



## PORTWIMS H2020 SUMMER SCHOOL

### BLUE GROWTH, INNOVATION & ENTREPRENEURSHIP

Lisbon, 26<sup>th</sup> May to 3<sup>rd</sup> June 2020

#### WHAT IS IT?

A Summer School dedicated to enhance skills on blue entrepreneurship, held at the same time that the Lisbon United Nations Ocean Conference 2020. It is promoted by the H2020 PORTWIMS Project (<https://portwims.org>), supported by three highly prestigious institutions for marine research, technology transfer and blue entrepreneurship: The Alfred Wegener Institute for Polar Research (Germany), the Plymouth Marine Laboratory (UK) and the MARE Centre of the Lisbon Faculty of Sciences. The PORTWIMS Summer School counts also with the participations of keynote speakers from most relevant stakeholders in blue economy, from Venture Capital to PI 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 Rectory.

#### RATIONALE

The development of the blue economy is based on blue growth, which depends crucially on innovation and technology transfer. To achieve this goal, it is essential to stimulate the development of blue entrepreneurship, assisting the startup development process, facilitating the technology transfer process and capacity building for market & industry environments.

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>), 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) 4 days are dedicated to training from basic knowledge on blue economy to the development of a startup, technology transfer (KTT), including internal process chains applied, major thematic fields of innovation, intellectual property rights (IPR) portfolio, technology transfer office (TTO) competences and capacities, internal and external co-operations, internationalisation of transfer activities, cost-benefit analysis and business plans;
- ii) 1 day 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.

## **SUPPORTS**

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



## **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. Entrepreneur

## **WHO CAN APPLY?**

The summer school is mostly dedicated to graduate and post-graduate students as well as young entrepreneurs and innovators from Portugal, UK and Germany. 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 9<sup>th</sup> of March until the 8<sup>th</sup> April and the selection of candidates will be published by the 17<sup>th</sup> April.

The call will be available at the PORTWIMS site: <https://portwims.org>

**Candidates should present:** 2 pages CV, Motivation Letter and a summary of an idea of an innovative project/product/business to develop (1 pg.), within the context of marine sciences/blue economy.

## **HOW MANY PARTICIPANTS WILL BE ADMITED?**

The course will admit twenty (20) participants.

## **WHERE?**

The course will be held at the Incubator of Lisbon University, Campo Grande (<https://www.ulisboa.pt/en/info/universidade-de-lisboa-incubator>).

## **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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### BLUE GROWTH, INNOVATION & ENTREPRENEURSHIP

Lisbon, 26<sup>th</sup> May to 3<sup>rd</sup> June 2020 – Programme

Day 1 27 May		Day 2 28 May		Day 3 29 May		Day 4 1 June		Day 5 3 June BLUE TALKS	
9h00 – 9h30	Reception	9h00 – 10h30	Case Studies: Blue Startups that made it Invited Guests Biomimetx Horta da Ria	9h00 - 10h30	Risk analysis José Poças Esteves CEO SaeR	9h00 - 10h30	Corporation model VdA -Lawyer Society David Paula	TALK1 Ocean for SDG 14 Catarina Grilo ANP	
9h30 - 10h00	Welcome Breakfast Ideating	10h45 - 12h30	Workshop: Meet with Blue Entrepreneurs	10h45 - 12h30	Financing a Blue Startup: Business Angels Portugal Ventures Rui Ferreira	11h00 - 12h30	Protect your Idea and product- IPR AWI, incl. case studies from scholars *tbd	TALK2 Earth Observation   Climate Change PLY - Steve Groom	
10h00 - 11h15	Ocean Economy in 2030 & Blue Growth DGPM – General Director Opening Session PORTWIMS Coordination Rectory of Lisbon University	14h00 - 15h45	Getting started: From the idea to a startup Christian Hamm	14h00 - 15h30	EU funding mechanisms Steve Groom	14h00 - 15h45	Promote your product and reach the market PLY *tbd	TALK3 Polar Research: A State of the Art AWI Eberhard Sauter	
11h30 - 12h45	Innovation and Blue Growth – Best Practices Aquaculture Underwater technology Earth Observation Biotechs AWI/PML *tbd	16h15 - 17h30	The making of a Business Plan Pierre Gein	16h00 - 17h30	National Portuguese Blue funds EEA Grants Sandra Silva	16h15 - 18h30	Workshop: Present your project Idea Mare Startup (SaeR, Fórum Oceano)	TALK 4 Sustainable Use of Ocean Resources PLY- Melanie Austen.	
14h30 - 16h15	Technology transfer: procedures & Case Studies Eberhard Sauter	17h45 - 18h45	Lab with tutorship: Developing Ideas Mare Startup (SaeR, Fórum Oceano)	17h45 - 18h45	Lab with tutorship: how to apply a call Mare Startup (SaeR, Fórum Oceano)			TALK 5 Protecting Marine Biodiversity MPA's José Paula WIOMSA-FCUL	

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16h00 - 17h30	Preliminary presentation of ideas from students. Flash talks from students Mare Startup (SaeR, Fórum Oceano)								
17h45-18h45	Lab with tutorship: Getting Acquainted/ changing experiences.								

\* to be determined. \*\*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/>)  
General Director 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 - Alfred Wegner Institute for Polar 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

Melanie Austen - Head of Science at PML/member of the UK Government's Natural Capital Committee

- **Portugal Ventures** – (<https://www.portugalventures.pt>)

Rui Ferreira – Executive Vice-President

- **Mare Startup** (<http://www.mare-startup.pt/en>)



*Mare Startup Consortium integrates: FCUL, Portuguese Catolica University, Forum 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/](http://www.saer.pt/))

José Poças Esteves - Managing Partner

Sónia Ribeiro

- **Universidade Católica Portuguesa** ([https://www.ucp.pt/?set\\_language=en](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](http://www.forumoceano.pt/?site_lingua=en))

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 /Patrick Freire

**Horta da Ria Lda.** – Tiago Morais

- **ANP- Associação Natureza Portugal ANP em Associação com a WWF**

Catarina Grilo Director of Conservation and Policy

- **WIOMSA - Western Indian Ocean Marine Science Association**

José Paula – Member of the Board, Professor at the FCUL



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