

Advanced Master in Sustainable Blue Growth

University of Trieste, Department of Maths and Geoscience
and Department of Engineering and Architecture

in collaboration with National Institute of Oceanography and Applied Geophysics (OGS)

A UNIQUE OPPORTUNITY

Taking into consideration the current economic crisis and the evolving political, social and environmental conditions in the **Mediterranean region**, there is a need to put together multidisciplinary actors from different countries, make ideal environment for constructive dialogue (Science Diplomacy) and create all conditions that include the role of people, economics and policies to attract investments while reconciling tensions and balancing priorities between economical growth, social stability and environmental conservation.

Tackling climate change, understanding ecosystem function, managing sustainability: all of these require much more tangible initiatives and strategies. Hence, the **EU Blue Growth initiative** represents a long-term strategy to support growth in the maritime sector as a whole by harnessing the untapped potential of Europe's oceans, seas and coasts for **blue jobs creation and economic growth**. Establishing appropriate training and mobility opportunities to train new generation of scientists, technicians and operators, in the marine and maritime sectors, equipped with appropriate skills to bridge the gap between scientific research and sustainable development and support the **creation of career opportunities in the Blue Economy** represents an important part of this strategy.

The Master

The Italian National Institute of Oceanography and Applied Geophysics (OGS) and the University of Trieste are organizing an **Advanced Master in Sustainable Blue Growth** for researchers, scientists and managers interested in bringing scientific excellence and technological innovation at the centre of initiatives and strategies for the Mediterranean and Black Sea area.

The Advanced Master intends to promote the creation of stable and attractive blue career pathways and to train qualified talents that will be needed to support expanding marine and maritime sectors. The focus is to strengthen professional skills and enhance competencies in fields related to sustainable Blue Growth with valorisation of needs and priorities of target countries.

Specific objectives

- to increase professional skills and quality of research in the marine and maritime sectors. Thus contributing to the creation of **opportunities for new blue jobs and growth**;
- to **increase the educational offer** to extend the current economic development and growth, with particular focus on activities and aspects related to the importance of coasts, seas and oceans;
- to help scale up activities that ultimately result in **sharing research outcomes and disseminating scientific knowledge**;
- to expose students to **cross-cutting aspects** and multidisciplinary topics in fields related to Sustainable Blue Growth;
- to introduce innovative topics such as **Science Diplomacy** to ease the dialogue between countries and facilitate mobility and access to research infrastructures.

Structure of the Master

It is a part-time programme lasting 12 months (3 short courses of 15 days each will be organized during the whole duration of the Master), which can easily fit with work commitment. Face-to-face lectures by highly qualified instructors are envisaged and will be enriched with specific feature materials on virtual **online platform**, with hands-on **workshops/seminars** and **visits to leading companies**, as for blue technology innovation. The Master's course ends with the preparation and submission of a **project work** and the possibility of a short period of internship/stage.

KEY FACTS

Duration: 12 months, starting on January.

Format: Lectures are distributed throughout three intensive sessions of two weeks each that will take place respectively in March, July and October.

Venue: Trieste (Italy)

Language: English

Topics: Interdisciplinary course covering a number of topics related to blue economy including environmental aspects, socio-economic fields and science diplomacy.

Fields of studies: Oceanography (physics, chemistry and biology), marine biology, geology, geophysics, geochemistry, environmental engineering, ecological modelling, climate study, coastal zone management, environmental economy and related fields.

Geographical scope: Mediterranean and Black Sea countries

Participants: max. 25

Costs: € 3.200. Scholarships for deserving students.

Supporting institutions:

- The Italian Ministry of Education, Universities and Research (MIUR),
- The Italian Ministry of Foreign Affairs and International Cooperation (MAECI),
- The Western Mediterranean Forum (Dialogue 5+5)
- Union for the Mediterranean (UfM)
- Central European Initiative (CEI),
- The Abdus Salam International Centre for Theoretical Physics (ICTP),
- The World Academy of Sciences (TWAS),
- Euro-Mediterranean University (EMUNI),
- Maritime Technology Cluster FVG (MARE TC FVG).

Contact us:

For more information on how to apply, please refer to:

www.bluegrowth.inogs.it

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Further information at:

<http://apps.units.it/Sitedirectory/InformazioniSpecificheCdS/Default.aspx?cdsid=10543&ordinamento=2017&sede=1&int=web&lingua=15>