

*Interested in a PhD scholarship on marine ecosystem modelling?
Willing to do it in Trieste (Italy) in an active research environment?
Here some opportunities for you!*

PhD scholarship in marine ecosystems modelling: Could it be yours?

The Dynamics of Ecosystems and Computational Oceanography research (ECHO) group of Oceanography and Applied Geophysics - OGS (<https://www.ogs.it/en>) is happy to announce several PhD scholarships on marine ecosystems modelling, in collaboration with the University of Trieste (<https://www.units.it/en>):

PhD in EARTH SCIENCE, FLUID-DYNAMICS AND MATHEMATICS. INTERACTIONS AND METHODS (<https://www2.units.it/dott/files/PhD09Concorso38.pdf>)

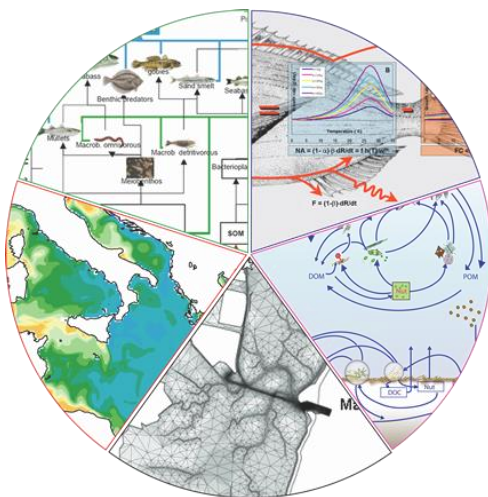
- **“Investigating the marine carbon cycle: interactions between physical and biogeochemical processes”** (ref. D/9)
- **“Investigation of optical and biogeochemical interactions in marine ecosystems”** (ref. D/15)

PhD in APPLIED DATA SCIENCE AND ARTIFICIAL INTELLIGENCE
(<https://www2.units.it/dott/files/PhD14Concorso38.pdf>)

- **“Ocean life and plankton biodiversity. Data driven models to describe marine ecosystem functioning and resilience”** (ref. D/8)

PhD in ENVIRONMENTAL LIFE SCIENCES
(<https://www2.units.it/dott/files/PhD01Concorso38.pdf>)

- **“Development of integrated physical-biogeochemical models to support the analysis of marine environmental processes and marine spatial planning and scenario analysis”** (ref. D/2)
- **"Integrated models for the management of marine renewable resources under climate change context"** (ref. MD/3)
- **"Biodiversity, functioning and resilience in marine ecosystems: modelling and assessing climate change impacts"** (ref. MD/4)



Selected candidates will develop their PhD thesis projects at the Dynamics of Ecosystems and Computational Oceanography research group (<https://www.ogs.it/en/dynamics-ecosystems-and-computational-oceanography>) in collaboration with its senior and junior scientists (Donata Canu, Gianpiero Cossarini, Simone Libralato, Stefano Salon, Cosimo Solidoro, Paolo Lazzari, Vinko Bandelj, Stefano Querin, Giorgio Bolzon just to cite a few).

ABOUT US:

The Dynamics of Ecosystems and Computational Oceanography research group of OGS deals with marine modelling and focuses on quantitative approaches to biogeochemistry and ecosystem dynamics. The group research activity includes the development, analysis and use of models of varying complexity (physical models, biogeochemical models, food webs, ecological models) with applications at a variety of scales, ranging from local high-resolution applications to basin-wide regional models and climatic projections. Applications include assessment of natural and anthropogenic pressures on marine systems, carbon and nutrient cycling, biodiversity and ecosystem functioning, ecosystem approach to fisheries and aquaculture, operational oceanography and data assimilation, analysis of integrated eco-socio-economic systems, and sustainable development. The group is currently composed of about 30 people, who are collaborating widely with other groups in Italy and at the international level in various research projects, services, programmes and networks.



We offer a lively research environment and excellent infrastructure in terms of laboratories and state-of-the-art equipment, and good potential for interactions with other groups of the Institute.

OGS is based in Trieste (Italy), where several other scientific institutions are hosted and synergically interact.

At the north-eastern edge of the Adriatic Sea, in the heart of Europe, Trieste is a cosmopolitan town with high quality of life. For more information about Trieste and the surrounding area: <http://www.welcomeoffice.fvg.it/>

For applying follow the indications reported at website of each PhD course of the Università degli Studi di Trieste (<https://www2.units.it/dottorati/it/?file=DottBandi.inc&cod=2021>).

For additional information on specific PhD fellowships reported above, contact the OGS member indicated as reference person in the call.

Looking forward to seeing you at ECHO group!