

Thesis and internships

at **ISPRA** (<https://www.isprambiente.gov.it/it>)



Area per la tutela della biodiversità, degli habitat e specie marine protette (BIO-HBT)

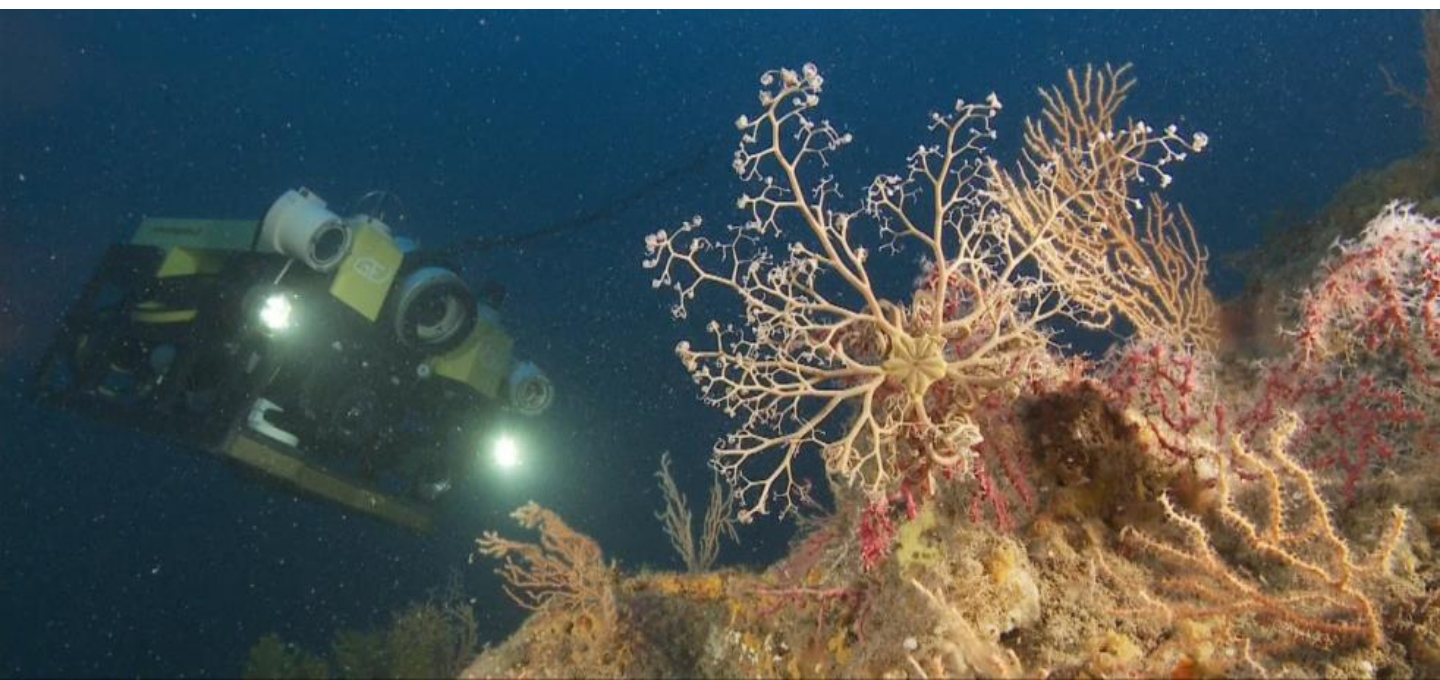
Marine Ecology and Biology

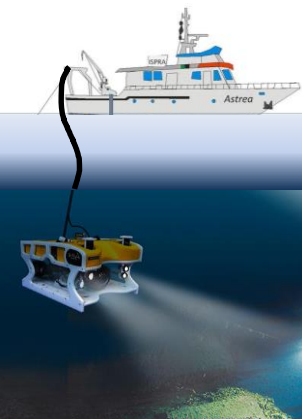
- Marine Biodiversity
- Deep-sea Ecosystem
- Marine litter

Ecological studies on the distribution, diversity and conservation status of deep-sea Mediterranean benthic communities (100 - 500 m depth), with focus on Cnidarian species.

The student/trainee will have the opportunity to acquire skills on: non-invasive and cutting-edge survey methodologies (i.e. ROV technology, Remotely Operated Vehicle); image analysis, for the taxonomic identification of macrobenthic species, characterizations and assessments of deep-sea benthic communities, and study of marine litter effect; statistical methods for data analysis; monitoring systems within the Marine Strategy Framework Directive; use of specific software for data organization and implementation on GIS systems.

It will be also possible to participate at oceanographic campaigns, to analyze biological samples in lab and to collaborate to the writing of scientific papers for international journals.





- **Research vessels R/V Astrea e Lighea**
http://www.teravista.it/astrea_2021/
- **Robotic Lab: ROV Perseo, Pollux III, Blue ROV**
- **National Center for the ISPRA Laboratories Network**
<https://www.isprambiente.gov.it/it/attivita/CN-LAB>

Proposed themes

- Biodiversity characterization of the Tyrrhenian seamounts.
- Impact of fishing on soft-bottom benthic communities in the Ionian Sea.
- Biodiversity and ecology of the Cnidarian fauna of Pontine Islands.
- Study of the hard-bottom communities in the mesophotic zone of the Basilicata coast.
- Use of ROV-Imaging to study the impact of marine litter on the benthic communities of deep Mediterranean shoal



Contact

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🌐 Link: <https://www.researchgate.net/profile/Michela-Angiolillo-2/research>
https://www.youtube.com/watch?v=6f_MuFkR348