



## 2023 Master internship at University of Malta



### Oceanography data acquisition and analysis

#### LAB & PEOPLE

- Name of the hosting lab: Department of Geosciences
- General activities of the lab: The Department of Geosciences is largely an applied research institution in the earth-related sciences, founded on a strong base of interdisciplinary science, with a focus on operational oceanography, seismology and geophysics, marine geology, and atmosphere and climate research.
- Website: <https://www.um.edu.mt/science/geosciences/>
- Number of staff / PhD: ~40
- Supervisor name and contact: Prof. Alan Deidun - alan.deidun@um.edu.mt

#### TOPIC OF THE INTERNSHIP

- Scientific context of the internship (max 20 lines):  
Oceanography > Marine Sciences > Geosciences

Keywords: Oceanography, remote sensing, data acquisition, data analysis, citizen science

Bibliography:

Biological, chemical and physical oceanography  
Data management  
Operational oceanography  
Remote sensing  
Citizen science  
Ocean Literacy

- Tasks and duties entrusted to the student:
  - Statistical analysis of oceanographic datasets (e.g. water temperature, salinity, etc) collected through loggers or through remote sensing
  - Participation in oceanographic field sampling campaigns
  - Participation in outreach events (ocean literacy) with different stakeholders
  - Management of citizen science campaigns (e.g. Spot the Jellyfish, Spot the Alien Fish, ANDROMEDA microplastics)

- Skills to be acquired or developed:
  - Management of data collected from different sources
  - Analysis of data using statistical tools
  - Use of equipment used in ocean monitoring
  - Organisation of ocean literacy outreach events

## **PROFILE OF THE DESIRED STUDENT**

- Minimum level of study required: First degree in the natural sciences
- Field(s) of study: Natural sciences
- Scientific skills: Basic statistical analysis, communication skills, problem solving
- Language skills required: fluent English (C1 or above)

## **THE INTERNSHIP ASSIGNMENT:**

Desired duration of the internship (in months): 2-3 months

Desired Starting date of the mission: March 2024

Indicative weekly schedule: *35h / week*

Remuneration: not included

Erasmus grant accepted, application should be made by student at local sending institution.

Internship agreement: *an internship agreement will be signed.*

*To SEA-EU students:*

*If you're interested please send your CV and letter of motivation to the scientist in charge,  
Prof. Alan Deidun (alan.deidun@um.edu.mt) before 1/09/ 2023.*