



**CNR  
ISMAR**  
ISTITUTO  
DI SCIENZE  
MARINE



**SAPIENZA**  
UNIVERSITÀ DI ROMA

## PhD scholarship within the Italian “National PhD Course in Earth Observation”

Deadline for the application is 10 July.

### Analysis of hyperspectral satellite data for inland coastal and marine waters

This PhD work will focus on the development of methodologies for the retrieval of water quality and biogeochemical parameters from hyperspectral satellite data (PRISMA, EnMAP, PACE) and/or insitu hyperspectral radiometry to describe inland, estuarine, coastal and shelf ecosystems.

This work will involve acquisition and analysis of measurements of bio-optical properties in optically complex waters, parametrization of radiative transfer models, and assessment of inversion or machine learning approaches for the parameter retrieval.

CNR-ISMAR, Rome. Tutor Dr. Vittorio E. Brando, [vittorio.brand@cnr.it](mailto:vittorio.brand@cnr.it)

Detailed information about the call for application to the “National PhD Course in Earth Observation”:

<https://phd.uniroma1.it/web/concorso40.aspx?i=3862&l=EN>

For the application, the candidate must upload on the online platform

<https://www.uniroma1.it/en/pagina/phd-application-form>:

- A motivation letter to:
  - illustrate ideas and objectives of the proposed research, starting from the state of the art, including bibliographic references if useful
  - highlight candidate’s experiences and skills useful to the development of the proposed research.The letter must not exceed 2 pages (Arial font, size 10, margins 2cm) and can contain figures / tables.
- A curriculum vitae prepared following this template:  
<https://phd.uniroma1.it/dottorati/docs/Template%20Curriculum%20Vitae%20-%20NOT%20-%20IT-EN.docx>
- Up to three recommendation letters by a lecturer/professor

Detailed instructions to upload the application documentation are available at:

[https://www.uniroma1.it/sites/default/files/user/1824/eng\\_applicationssubmissiontutorial\\_39cycle\\_0.pdf](https://www.uniroma1.it/sites/default/files/user/1824/eng_applicationssubmissiontutorial_39cycle_0.pdf)

Oral interviews are scheduled for 22 July 2024.

We will welcome candidates’ enquiries while drafting the motivation letter that includes the proposed research activities.

#### Venezia

Tesa 104 - Arsenale,  
Castello 2737/F  
30122 - Venezia, IT  
+ 39 041 2407911  
protocollo.ismar@pec.cnr.it  
www.ismar.cnr.it

#### Bologna

Area della Ricerca  
di Bologna -  
Via P. Gobetti 101  
40129 - Bologna, IT  
+ 39 051 639 8891

#### Lerici

Forte Santa Teresa,  
Pozzuolo di Lerici  
19032 - La Spezia,  
IT  
+ 39 0187 1788900

#### Napoli

Calata Porta Di Massa  
Porto di Napoli snc  
80133 - Napoli, IT  
+ 39 081 5423802

#### Roma

Area della Ricerca  
di Roma 2 - Tor Vergata  
Via del Fosso del Cavaliere  
100  
00133 - Roma, IT  
+ 39 06 45488634

#### Trieste

Area Science Park  
Basovizza - Edificio Q2  
Strada Statale 14, km 163.5  
34149 - Trieste, IT  
+ 39 040 3756872