

Two PhD scholarships within the Italian “National PhD Course in Earth Observation”

Deadline for the application is 20 July at 2 pm (Rome time).

Analysis of hyperspectral satellite data for coastal and marine waters

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

CNR-ISMAR, Rome. Tutor Dr. Vittorio E. Brando, vittorio.brand@cnr.it

Analysis of satellite data in coastal and transitional waters

This PhD work will focus on the development of methodologies for the retrieval of water quality parameters from multi-and hyperspectral data (satellite and/or insitu) to describe transitional and coastal aquatic ecosystems.

This work will involve integration and use of time series with different spatial, spectral and temporal resolutions to support process studies of transport and dynamics of biological and mineral suspended particulate matter along the river-sea continuum.

CNR-ISMAR, Venice. Tutor Dott.ssa Federica Braga, federica.braga@cnr.it

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

<https://phd.uniroma1.it/web/concorso39.aspx?s=&i=3862&m=&l=EN&p=&a=>

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/TEMPLATEDNOT.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_applicationssubmitontutorial_39cycle.pdf

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

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