



ALMA MATER STUDIORUM • UNIVERSITÀ DI BOLOGNA • SEDE DI RAVENNA

CENTRO INTERDIPARTIMENTALE PER LA RICERCA SULLE SCIENZE AMBIENTALI

Marco Zavatarelli

OPENING POSITION FOR AN OCEAN MODELLER AT UNIBO-CoNISMa

Applications are invited for a 4 year post-doctoral fellowship at the CoNISMA Local Research Unit of Bologna University, sede di Ravenna (Centro Interdipartimentale per la ricerca sulle scienze ambientali), starting as soon as possible.

The successful candidate will participate to the running EU Integrated Project SESAME (Southern European Seas: assessing and modelling the changes in ecosystem) aiming at hindcasting the Mediterranean Sea ecosystem dynamics in the 20th century and simulating its possible evolution under global change scenarios related to greenhouse gas emissions (IPCC scenario conditions) and land based inputs. The work will be carried out with a Mediterranean Sea coupled hydrodynamic-ecological model implemented in the Mediterranean Sea.

The successful candidate will collaborate with a team of scientists from the fields of oceanography, atmospheric sciences and marine biogeochemistry

The main tasks that the successful candidate will undertake are the following:

- Implementation, upgrade and testing of coupled model.
- Multi-decadal simulations under current climate and scenario conditions.
- Validation of the model in key regions of the Mediterranean (using past data and data to be collected in the SESAME framework) and estimation of simulated ocean biogeochemical fluxes under different climate conditions at Mediterranean basin scale.

The candidate will be based at the Ravenna Premises of the Bologna University. Applicants will be rated via an evaluation of their experience, education and their responses to the job specific questions with the announcement. The salary will be approximately 1400-1500 Euro.

The candidate would have a background in physical oceanography and/or biogeochemistry, with preference to candidates with experience in ocean coupled modelling. A knowledge of the OPA-NEMO OGCM will be considered a plus. Above-average knowledge of Unix and Fortran is required, and experience with supercomputers would be welcome.

Interested candidates must submit by electronic mail a curriculum vitae, including a list of published papers and a statement of research interests.

Contact Person:

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