

Post - doctoral position in Brest/France

"Decadal variability of marine ecosystem in the North Atlantic : a modelling approach"

EURO-BASIN FP7 Programme

A Post Doc grant is available for 30 months in ocean dynamics/biogeochemistry modeling starting in 2011 (as soon as possible) at IUEM (LEMAR : Laboratory of the marine sciences of the environment; LPO : Laboratory of physical oceanography) in Brest/France.

Description of the position.

The position is associated with the European program EURO-BASIN which aims at understanding the variability, potential impacts, and feedbacks of global change and anthropogenic forcing on the structure, function and dynamics of the North Atlantic ecosystems as well as key species influencing carbon sequestering, ecosystem functioning and marine resources. The position is associated with the modeling workpackage of the program, which is based on $1/4^\circ$ basin scale simulations of the last 50 years using a General Circulation Model and an ecosystem model of medium complexity (NEMO/PISCES: see web sites www.nemo-ocean.eu and www.drakkar-ocean.eu). The major emphasis will be put on the impact of climatic forcing and ocean dynamics on the export fluxes towards the deep ocean (carbon sequestration) and the higher trophic levels (resources), associated with the role of the complexity of the ecosystem model. Coupling with "end - to - end" models is considered as well in order to analyze bottom - up (climate) and top - down (fisheries) feedback processes.

Requirements.

A PhD in geophysical fluid dynamics, physical oceanography or in marine biogeochemistry/biology is required for the position. A strong background in numerical modeling and in using massively parallel computers constitutes a necessary condition. The successful candidate will work with physical oceanographers, marine biogeochemists and biologists (ecology), and will participate to shared work and intercomparisons with the European partners of EURO-BASIN (UK, IT). For further informations, candidates may contact Laurent Memery at LEMAR (memery@univ-brest.fr), or Olivier Aumont (olivier.aumont@ird.fr) at LPO.

The required information to be prepared for each candidate is :

- a curriculum vitae including a complete list of publications
- copies of publications of interest for the present post doctoral project
- if possible, letters of recommendation

All information must be sent by email before October, 15 to :

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