



Marine Ecosystem Modeller

Plymouth, Devon, UK

Plymouth Marine Laboratory (PML) is seeking to appoint a Marine Ecosystem Modeller. PML is recognised internationally as a dynamic, highly innovative, independent and impartial deliverer of scientific research and advice on the marine environment.

Opportunity:

Marine Ecosystem Modeller - CO₂ impacts

Salary **£27,326 - £32,330 p.a.**

Ref: PML34110

PML is looking to appoint a Marine Systems Modeller. If successful you will aim to tackle one of the principal scientific challenges in current marine ecosystem research: to understand and ultimately predict how marine systems respond to high CO₂ in particular ocean acidification (OA) and hypothetical leaks from carbon capture and storage (CCS). The focus will be on ecosystem dynamics and biogeochemical cycles in shelf sea benthic systems.

You will build on and improve existing model systems, simulate and quantify a variety of scenarios, publishing results in the peer-reviewed literature. The post is funded by a number of national and European programmes researching OA and CCS, and therefore you will be expected to attend workshops and meetings in the UK and abroad.

PML has a long track record in CO₂ research and a well developed system of coupled hydrodynamic marine ecosystem models based on ERSEM, GOTM, POLCOMS and NEMO. The model is principally coded in FORTRAN running on Linux platforms.

Eligibility:

You will preferably have a background in oceanography, marine biogeochemistry or ecology, computing for environmental problems, modelling, mathematical science or chemistry. Experience of benthic systems and/or marine ecosystem or hydrodynamic modelling will be a definite advantage.

About:

PML is developing and applying integrated scientific understanding and solutions, addressing interactions between the marine environment and people to sustain marine ecosystems, their services and societal benefits. For further information please refer to www.pml.ac.uk.

How to apply:

For additional information and an application form, please contact: Mrs E. Matthews, Human Resources Group, PML, Plymouth, PL1 3DH, UK
T: +44 (0)1752 633100; E: vacancies@pml.ac.uk.
Quoting reference number: PML34110.

The application deadline is 1200hrs 7th September 2010, proposed interview date is Thursday 7th October 2010 for a start as soon as possible.

