

PML Plymouth Marine Laboratory

www.pml.ac.uk

## Earth Observation Scientists, Ecosystem Modellers, Plymouth, Devon, UK

Plymouth Marine Laboratory (PML) is looking to appoint six enthusiastic and highly motivated, experienced individuals. PML is recognised internationally as a dynamic, highly innovative, independent and impartial deliverer of scientific research and advice on the marine environment.

### EARTH OBSERVATION SCIENTISTS

Ref: PML38212

You are invited to apply for one of three posts as Earth Observation Scientist to join the PML Remote Sensing Group.

Two posts will be involved in marine Earth observation research: the first will investigate open ocean and coastal bio-geochemical cycles, and the second will investigate atmosphere-ocean gas exchange, both globally and in the Arctic.

The third post will work in the recently funded NERC GloboLakes consortium project and focus on lake water quality algorithms, production and analysis of a global time series of MERIS lakes data and the exploitation of the new ESA Sentinel 2 and 3 missions for lake observation.

### Eligibility:

For the scientist grade you will have a PhD or have a minimum of three years postgraduate research experience and experience with publishing research in scientific journals. For the senior scientist grade you additionally will have started generating commissioned research income to support your own area of research, as well as a track record in publications. Relevant experience in remote sensing, image processing, bio-optics or the specified science areas would be advantageous.

You will be numerate and possess good experience in analysing and handling large datasets with appropriate skills in computer programming in a Linux environment for quantitative Earth observation research.



## ECOSYSTEM MODELLERS

Ref PML38312

You are invited to apply for one of three posts as an Ecosystem Modeller. You will join one of the largest and most energetic marine ecosystem modelling groups in the world and work on the development and application of marine hydrodynamic/ecosystem models, investigating the impacts of climate change and multiple stressors on marine ecosystems.

We are looking for people with relevant expertise to work in the following areas:

- 1) Higher trophic level modelling (Zooplankton and above);
- 2) Biogeochemical modelling at global scales;
- 3) Benthic ecosystem modelling.

We are looking to appoint at both senior scientist and scientist level. The objective of these posts is to underpin a strategic expansion of the group with an emphasis on modelling the whole marine ecosystem including the links to man. PML has a well-developed system of coupled hydrodynamic marine ecosystem models based on ERSEM (European Regional Seas Ecosystem Model) and NEMO. You will be expected to maintain and raise the profile of the PML Modelling Group by publishing in peer reviewed journals and presenting work at high profile conferences.

### Eligibility:

You will have a background in numerical modelling or marine science, along with a PhD or a minimum of three years postgraduate research experience. In particular, we are interested in individuals who have experience in the modelling of fish and higher trophic levels, benthic ecosystems and marine biogeochemistry at global scales. Programming and computer skills will be a definite advantage, as would experience of NEMO/FVCOM hydrodynamic models, marine ecosystem models, and parallel computing.

### Permanent positions:

The successful applicants will be appointed to grade and salary range commensurate with skills and experience.

**Scientist grade: £28,066 - £33,206**

**Senior scientist grade:  
£34,931 - £40,044**

### How to apply:

For 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](mailto:vacancies@pml.ac.uk).

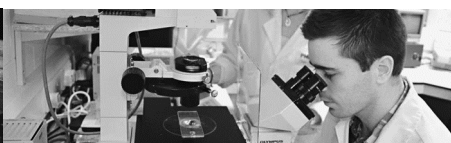
Quoting the relevant reference number: [PML38212](#) or [PML38312](#)

**Application deadline 1200hrs**

**31st August 2012;**

**interviews w/c 24th September 2012,  
for a start as soon as possible.**

*NewScientist, 2012*



## Tekst 12 Plymouth Marine Laboratory

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- 2p 42 Voor welke van de onderstaande taken zou Plymouth Marine Laboratory benaderd kunnen worden op basis van de advertentie?
- 1 Advising government bodies on environmental issues affecting the polar regions.
  - 2 Notifying the navy of the violation of the international Marine Environmental Law.
  - 3 Providing expertise and guidance in developing databases for marine research.
  - 4 Prosecuting companies for having committed environmental crimes.
- Noteer “wel” of “niet” achter elk nummer op het antwoordblad.

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### Bronvermelding

*Een opsomming van de in dit examen gebruikte bronnen, zoals teksten en afbeeldingen, is te vinden in het bij dit examen behorende correctievoorschrift, dat na afloop van het examen wordt gepubliceerd.*