

## MARINE SYSTEM SCIENTIST/MODELLER (CARBON CYCLES)

**Permanent Appointment**

**Starting Salary £26,319**

Plymouth Marine Laboratory (PML) is a dynamic, highly innovative, independent and impartial provider of scientific research and advice on the marine environment. PML is a NERC Collaborative Centre and independent business with charitable status which has been an integral part of the UK's strategic marine sciences & technology capability for over 30 years.

We require an enthusiastic and highly motivated individual to join our marine ecosystem modelling team to work on the application of data assimilation schemes to marine ecosystem / carbon cycle models. Our goal is to understand the feedbacks between physical and biological processes in the carbon cycle and climate, in order to predict future changes in carbon fluxes and dynamic carbon reservoirs of coastal seas. PML acting as a part of the National Centre for Earth Observation (NCEO) is seeking to achieve this through a combination of marine ecosystem modelling and earth observation data merged using data assimilation to make re-analysis simulations.

You will have a PhD or a minimum of three years postgraduate research experience or equivalent level experience. In particular we are looking for experience in data assimilation, hydrodynamic and/or ecosystem modelling, the marine carbon cycle and marine chemistry. Strong programming and computer skills with good mathematical and statistical skills are essential. Experience of the OPA/NEMO hydrodynamic model, ERSEM type models, parallel computing and FORTRAN & LINUX will be an advantage. The project benefits from access to our in house 320 processor cluster and national computing facilities.

PML is situated on Plymouth Hoe just yards from the seafront, close to the historic Barbican. Plymouth has easy access to the spectacular South West and breathtaking Dartmoor National Park.

For an application form, please contact Mrs C Tutte at [vacancies@pml.ac.uk](mailto:vacancies@pml.ac.uk) quoting reference number PML75/08.

The closing date for applications is Thursday 8<sup>th</sup> January 2009. Interviews will be held in late January with a view to the appointment commencing as soon as possible.



Plymouth Marine Laboratory, Prospect Place, The Hoe, Plymouth, Devon, PL1 3DH, UK

**T: +44 (0)1752 633100 | E: [forinfo@pml.ac.uk](mailto:forinfo@pml.ac.uk) | W: [www.pml.ac.uk](http://www.pml.ac.uk)**

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