

NCEO Research Fellow

University of Reading - Meteorology

Location: Reading

Salary: £29,301 to £38,183 per annum

Hours: Full Time

Contract Type: Contract / Temporary

Placed on: 17th January 2017

Closes: 17th February 2017

Job Ref: SRF13123-R

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The main purpose of this role is to further the aims of the National Centre for Earth Observation (NCEO) by developing new innovative ways of applying satellite data to Marine Science modelling problems.

Sea surface temperature (SST) has been monitored globally from satellites since 1979 and yet it is still not assimilated correctly into operational Weather and Marine forecasting or Climate models. We are seeking a motivated scientist interested in developing new methods to assimilate SST data into large scale numerical models of the ocean or climate system, taking full account of the measurement errors. Important problems this will address include using SST to quantify Global warming in the oceans, and demonstrating the importance of actively modelling SST changes for improving weather prediction.

The NCEO team at Reading has expertise in all aspects of satellite SST measurement, ocean and climate modelling and data assimilation. You will work closely with other experts from NCEO, the UK Met Office and ECMWF.

You will have:

- Computational Data analysis skills for working with large data
- A good first degree in numerate science areas
- a PhD in the physical sciences, Maths or computational science
- Knowledge of ocean or atmospheric model data
- Knowledge of data assimilation

Informal contact details

Contact role: NCEO Marine DA Leader

Contact name: Keith Haines

Contact phone: 0118 3788742

Contact email: university-of-reading.r.a4lju55ivt10@jobtrainsupport.aptrack.co.uk

Alternative informal contact details

Contact role: NCEO DA Division leader

Contact name: Peter Jan van Leeuwen

Contact phone: 0118 3785578

Contact email: university-of-reading.r.a4lju55ivt10@jobtrainsupport.aptrack.co.uk

Interview date to be confirmed

Fixed term up to 30 June 2018

The University is committed to having a diverse and inclusive workforce and we welcome applications for job-share, part-time and flexible working arrangements which will be considered in line with business needs.