

Post-Doctoral Research Assistant

Ensemble Prediction of Coastal Flood Risk using Numerical Weather Models

Faculty of Engineering, Water and Environmental
Management Research Centre (WEMRC)
University of Bristol, UK

The NERC FREE (Flood Risk from Extreme Events) directed mode research programme is a ground breaking initiative to further our understanding of extreme floods. The EPIRUS (Ensemble Prediction of Inundation Risk and Uncertainty arising from Scour) consortium is working to develop techniques for incorporating risk and uncertainty into coastal climate change impact studies.

An organised enthusiastic post-doctoral research assistant is required to support the application and development of Numerical Weather Models (NWP's) and novel ensemble methods using the ERA40 regional climate dataset. A post-graduate qualification in Atmospheric Science or Meteorology or a related field is desirable, and experience of working with NWP's would be particularly helpful. WEMRC are currently using MM5, WRF and shortly the UK Meteorological Office Unified Model.

The project occupies an important niche in a rapidly growing field, and has the potential to significantly contribute to the growing debate on climate change impact in relation to extreme floods. It provides a unique and rare opportunity for an early career researcher to join a leading interdisciplinary team engaged on Flood Risk Management research.

Starting salary £27,000+, Fixed term up to 36 months

Contact for informal enquiries: Professor Ian D Cluckie, FREng
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Call Open from 1 June 2008 until filled.