

Our Institute for Coastal Research invites applications for a 3-year

## PhD position (m/f)

code no. 2012/KS 14

starting as soon as possible and ending not later than 30th June 2016, in the project "Sea-level variability and change in the North Sea and Baltic Sea".

This project is part of the Cluster of Excellence "Integrated Climate System Analysis and Prediction" (CliSAP), a collaboration between the Helmholtz-Zentrum Geesthacht, the University of Hamburg, the German Weather Forecast Service, and the Max-Planck-Institute for Meteorology. The PhD position is located at the Helmholtz-Zentrum Geesthacht, Germany.

The main objectives of the present project are the analysis of the dynamics that modulates long-term sea-level variability in the North Sea and the Baltic Sea and their interconnection. Both regional seas are exposed to the immediate influence by the North Atlantic, the overlying atmosphere and the surrounding land areas, and a remote influence from the polar land masses. Estimations of future sea-level rise in both seas have thus to take into account a variety of climate factors.

Required qualifications are:

- degree in meteorology/atmospheric physics, oceanography, physics, applied mathematics or in a related scientific field (e.g., geophysics or Earth system science)
- ability to communicate effectively in spoken and written English
- a strong motivation towards climate research
- strong interest in statistics and data analysis
- experience with Linux or Unix environments
- knowledge of Fortran, R, Matlab, Mathematica or S-Plus will be considered an advantage

The successful candidate is expected to present his/her PhD dissertation at the University of Hamburg in the last stages of the project. You may contact Dr. Eduardo Zorita ([eduardo.zorita@hzg.de](mailto:eduardo.zorita@hzg.de)) at the Helmholtz-Zentrum-Geesthacht for more information about this position.

We offer an appropriate salary related to TV-AVH as well as the usual public sector social benefits.

The advancement of equality at the Helmholtz-Zentrum Geesthacht goes without saying; in particular, we are striving to increase the percentage of women in the science sector. Severely disabled persons with equal qualifications will be considered preferentially within the framework of legal requirements.

Please send your application indicating job offer code no. 2012/KS 14 as single pdf-file including CV and copies of master/diploma university certificates, names of two references, a record of publications and certificates proving your language and computer skills if available to the e-mail-address:

[personal@hzg.de](mailto:personal@hzg.de) (and in cc to [eduardo.zorita@hzg.de](mailto:eduardo.zorita@hzg.de) and [birgit.huenicke@hzg.de](mailto:birgit.huenicke@hzg.de)).