



PhD Position Vacancy

The University of Hamburg jointly with the Max Planck Institute for Meteorology and the Institute for Coastal Research at the GKSS Research Centre is establishing a trans-disciplinary research focus on “Integrated Climate System Analysis and Prediction”. The goal is to analyze ongoing and past changes of the state of the climate system, in response to natural and human-driven perturbations, to determine predictable elements of the climate system over a broad range of space and time scales, and to determine uncertainties intrinsic to predictions of important climate system and environmental indices (see www.clisap.de).

The Cluster of Excellence, KlimaCampus Hamburg, invites applicants for a

**research associate (PhD)
(wissenschaftlicheR MitarbeiterIn / DoktorandIn)**

for the following sub-project:

“Modelling the life cycle of coastal- and shelf sea- phytoplankton: Dynamics on seasonal and interannual time scales”

Discipline: Ecosystem and biogeochemical modelling in close cooperation with researchers from the Institute for Hydrobiology and Fisheries Science and the Institute of Oceanography.

Outline: Phytoplankton as primary producers plays a key role for ecosystems and biogeochemical cycles. However, fundamental characteristics of these organisms are generally neglected in current models which might explain deficiencies in the representation of the interannual variability of phytoplankton biomass in coastal areas.

Responsibility: The candidate will further develop existing life cycle models for key phytoplankton species, conduct and analyse 1- and 3-dimensional model simulations for the Northern coastal and shelf seas.

Requirements: : MSc or diploma in (theoretical and marine) biology, oceanography, geosciences or a related field. Basic knowledge in programming (e.g., FORTRAN) and LINUX or UNIX would be an advantage. The willingness to cooperate with colleagues from other disciplines is a prerequisite for this position.

Reference: 1957-PhD-1

General information:

Successful candidates have the opportunity to further their academic education, in particular through the completion of a doctoral dissertation. Achieved results may be used for this purpose. Successful candidates will participate in CliSAP's "*School of Integrated Climate System Science (SICSS)*".

The University of Hamburg intends to increase the number of women amongst its academic personnel and particularly encourages qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to female applicants with equal qualifications.

Payment is according to salary group E 13 TV-L (65%). Preferred start date is as soon as possible. The position calls for 25 hours per week. The fixed-term contract will last three years from start* (see also §2 of the Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz)).

Preference will be given to disabled applicants with equal qualifications.

Application dossiers (application letter, cv, certificate(s), etc.) incl. reference number are to be submitted preferably by e-mail to:

**Universität Hamburg
KlimaCampus - CliSAP office
Grindelberg 5, 20144 Hamburg**

office.clisap@zmaw.de

The deadline for receipt of applications is 23 February 2009.

For more information please contact:

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Please do not submit any original copies of your documents; furthermore, your documents will only be returned to you if you include a self-addressed and stamped envelope with your application.

* in accordance with §§ 27, 28 Hamburg Higher Education Law (Hamburgisches Hochschulgesetz)