



FORSCHUNGSZENTRUM
in der HELMHOLTZ-GEMEINSCHAFT

The GKSS Research Centre is located in Geesthacht near Hamburg, Germany, with a further centre in Teltow near Berlin, and is a member of the Helmholtz Association of German Research Centres (HGF). With its approximately 800 employees it undertakes, in collaboration with universities and industry, research and development in the areas of coastal research, materials research, regenerative medicine, and structure research with neutrons and synchrotron radiation.

Our Institute for Coastal Research in Geesthacht (near Hamburg, Germany) invites applications for two 3-year

PhD student positions **Code-No.: 2010/KO 4**

in Coupled Physical-Biogeochemical Modelling.

The overall objective of both PhD projects is to better understand physical-biological interactions within marine environments. Both positions will be filled with PhD students who show strengths in collaborative research. One PhD candidate will focus on modelling the interdependency between sediment dynamics and biological production in coastal areas. The second PhD candidate is expected to perform model studies on micro-layer dynamics in the ocean, with emphasis on linking the production of dissolved organic matter to the formation of primary organic aerosols.

The two positions will require skills in numerical modelling. The studies are embedded into large integrated projects („Wissenschaftliche Monitoringkonzepte für die Deutsche Bucht“ by the Volkswagenstiftung and the BMBF funded project: Surface Ocean Processes in the Anthropocene, SOPRAN). Given the strong cooperation with other observational and theoretical working groups, basic elements of the PhD studies are the integration of existing models and data sets, and the analysis of results in the context of marine, coastal and climate research.

The department of Ecosystem Modelling at the Institute for Coastal Research, hosts an interdisciplinary and highly motivated group of research scientists (coast.gkss.de/ecomod), and is involved in various national and international projects. Applicants with experience in environmental sciences, oceanography, meteorology, or physics are particularly encouraged to apply. Background in programming (Matlab, C or Fortran) is desired.

We offer an appropriate salary, related to TV-AVH as well as the usual public sector social benefits. GKSS is an equal opportunity/affirmative action employer seeking to increase the proportion of female faculty members. Qualified women are therefore especially encouraged to apply. Physically handicapped persons will be favoured if they are equally qualified. The GKSS strongly supports equal opportunities.

For further details, please contact: Prof. Dr. Kai Wirtz, wirtz@gkss.de; Fon: +49 4152/87-1513 (or -1526).

Please send your application as soon as possible with our **Code-No. 2010/KO 4** including CV, a brief statement of research interests and contact details of two referees to the address mentioned below or via e-mail to personal@gkss.de.

Closing date for applications is 9th March 2010. Late applicants will be considered until the position is filled.

GKSS-FORSCHUNGSZENTRUM GEESTHACHT GMBH
MAX-PLANCK-STRASSE 1 • D-21502 GEESTHACHT
WWW.GKSS.DE