Reference code: 50065796_2 – 2021/KS 9
Commencement date: January 1st, 2022
Application deadline: November 19th, 2021
The place of employment is Geesthacht (near Hamburg).

We invite applications for a Scientist position in the frame of the Project Coastal Futures – Scenarios to Promote Sustainable Futures of Contested Marine Areas that forms part of the German DFG Research MISSION “Protection and Sustainable Use of Marine Spaces”. The project develops, simulates, and explores future human use scenarios and triggered impacts in the North and Baltic Sea and their estuaries, and explores existing protection measures and new management options together with stakeholders from maritime management and industry. Coastal Futures concentrates on climate impacts and anticipated man-made pressures at basin scales from four management sectors: (1) offshore renewable energy production, (2) fisheries, (3) nature-based coastal protection measures and (4) eutrophication originating from terrestrial sources. The position is initially limited to three years.

Your tasks
- Further implementation and validation of a flexible coupled (ocean, atmosphere, biogeochemistry, waves) modelling framework for the North Sea and the Baltic Sea
- Performance and analysis of coupled climate change and human use scenario simulations, and assessment of uncertainties
- Assessment of the potential predictability of key variables relevant for selected management sectors
- Working as an integrative part of a motivated multidisciplinary team within the institute and external partners
- Writing scientific publications in peer-reviewed journals
- Presentation of results at meetings and international conferences

Your profile
- A degree (preferably PhD) in oceanography, meteorology, physics, environmental sciences or related disciplines
- Modelling experience is desirable
- Experience in scientific programming with FORTRAN and related analysing programming languages (e.g. MATLAB, R or Python) would be an advantage
- Good knowledge of English (written and oral)
- Good communication skills and ability to work in an interdisciplinary team of various fields of geosciences

We offer you
- Multinational work environment with over 1,100 colleagues from more than 50 nations
- Extensive options of vocational training (e.g. expert seminars, language courses or leadership seminars)
- Flexible working hours and various models to ensure the compatibility of family and career
- Excellent infrastructure, including a scientific in-house library as well as modern work spaces
- Remuneration according to the standards of the collective wage agreement TV-AVH including further social benefits
- Employee Assistance Program (EAP)
- Welcome office, guesthouses
- Company canteen

Severely disabled persons and those equaling severely disabled persons who are equally suitable for the position will be considered preferentially within the framework of legal requirements.

Interested? Then we are looking forward to receiving your comprehensive application documents indicating the reference number 2021/KS 9 including cover letter (short, concise, max. 1 page), CV, list of publications, letter of recommendation, copies/transcripts of certificates including grades, proof of your English skills (TOEFL, IELTS or equivalent), and (link to) pdf file of your master thesis.

Cutting-edge Research for a Changing World

Helmholtz-Zentrum Hereon

The Helmholtz-Zentrum Hereon conducts cutting-edge international research for a changing world: Around 1,100 employees contribute to the tackling of climate change, the sustainable use of the world’s coastal systems and the resource-compatible enhancement of the quality of life. From fundamental research to practical applications, the interdisciplinary research spectrum covers a unique range.

Institute of Coastal Systems Analysis and Modeling

The Institute for Coastal Systems Analysis and Modeling studies the dynamics of coastal systems as part of the Earth system and develops prediction methods and future scenarios for coastal systems. One focus of our research is the study of coastal ecosystems, which are subject to increasing pressure to change due to climate change, use of coastal environments, and other human drivers.

Apply now

www.hereon.de

Max-Planck-Straße 1
21502 Geesthacht
www.hereon.de