GEOMAR Helmholtz Centre for Ocean Research Kiel is a foundation of public law jointly financed by the Federal Republic of Germany (90 %) and the state of Schleswig-Holstein (10 %) and is one of the internationally leading institutions in the field of marine sciences. Currently GEOMAR disposes over an annual budget of approx. 80 million Euro and has approx. 1000 employees.

The research Marine Biogeochemical Modelling of research division Marine Biogeochemistry is offering a

**Scientist Position (m/f/d) in numerical modelling**

Starting preferably on July 1, 2020.

**Job Description**

We are looking for a research scientist with strong expertise in numerical modelling of the ocean and/or climate system for a 2.5 year period. The position is part of the EU Horizon 2020 COMFORT project (Our common future ocean in the Earth system – quantifying coupled cycles of carbon, oxygen, and nutrients for determining and achieving safe operating spaces with respect to tipping points) [https://comfort.w.uib.no/](https://comfort.w.uib.no/). The research will involve perturbed parameter ensemble (PPE) simulations with the UVic Earth system model of intermediate complexity to: (i) combine new knowledge on Earth system tipping elements with new information about model uncertainties for determining multiple mitigation targets and related metrics for limits of damage, (ii) provide assessments on the effectiveness in reaching mitigation targets and the feasibility and potential risks and side effects of technical ocean mitigation measures, and (iii) identify suitable scenarios for staying within “safe operating spaces” (i.e., planetary boundaries).

**Qualification**

We are looking for a creative and ambitious modeller with a Master degree and a PhD in a natural sciences subject and knowledge of physical and/or biogeochemical ocean modelling or Earth system modelling. Experience with the UVic model, with tipping point analysis and/or with the analysis of perturbed parameter ensembles and model uncertainties would be helpful, but is not a requirement.

The position is limited to 30 months (the project ends on August 31, 2023). The salary depends on qualification and could be up to the class 13 TVöD-Bund of the German tariff for public employees. This is a full-time position and there is the possibility to split it.

GEOMAR Helmholtz Centre for Ocean Research Kiel seeks to increase the proportion of female scientists and explicitly encourages qualified female academics to apply.

GEOMAR is an equal opportunity employer and encourages scientists with disabilities to apply. Qualified disabled applicants will receive preference in the application process.

Please send your application for this post via email in a single pdf-file mentioning the keyword “COMFORT modelling” in the subject line. Please send your application not later than **May 15th, 2020**, to the following email address:

bewerbung@geomar.de

As soon as the selection procedure has finished, all your application data will be removed according to data protection regulation.
For further information regarding the position and research unit please contact Dr. David P. Keller (dkeller@geomar.de) or Prof. Andreas Oschlies (aoschlies@geomar.de).

Please do not contact us by phone about the present state of procedures. However, we will answer all your questions if you send us an e-mail to bewerbung@geomar.de. In doing so, please refer to the keyword.

GEOMAR is a member of the Helmholtz Association and the German Marine Research Consortium (KDM). For further information please visit www.geomar.de or www.helmholtz.de.

GEOMAR is committed to a non-discriminatory personnel selection. Our job advertisements address all people.

The TOTAL E-QUALITY award is presented to GEOMAR for efforts in terms of human resource management aimed at providing equal opportunity.