

The Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI) is a member of the Helmholtz Association (HGF) and funded by federal and state government. AWI focuses on polar and marine research in a variety of disciplines such as biology, oceanography, geology, geochemistry and geophysics thus allowing multidisciplinary approaches to scientific goals.

## PhD Researcher (m/f/d) in Global Change Impacts on Plankton dynamics

### Background

This position is in part funded by the Landesamt für Landwirtschaft, Umwelt und ländliche Räume (State agency for Agriculture, Environment and Rural Areas of the German Federal State of Schleswig-Holstein).

Global change processes have had strong impacts on coastal seas, especially the North Sea. However, quantifying these changes is still a challenge, and particularly in the context of the European Framework Directive, there are still insufficient parameters describing the quality state of the system. Especially, zooplankton has not been used to its capacity in describing water quality, and only a few indicators exist using zooplankton characteristics. The aim of this project is to develop and test indicators based on zooplankton, using new observations as well as existing time series.

### Tasks

You will:

- Carry out and oversee sampling campaigns in different areas of the German Bight to implement proper sampling strategies for different areas.
- Analyse long-term data series with respect to zooplankton from different sources
- Design, test and implement indicators describing the ecological state of the North Sea based on Zooplankton

### Requirements

- a Master degree (or equivalent) in Aquatic Sciences
- a strong background in computational biology
- proven skills in statistics, and analysis of large datasets
- strong teamplayer skills
- strong cooperation and communication skills in English language written and oral

### Further Information

For further information please contact **Prof.Dr. Maarten Boersma** (maarten.boersma@awi.de; +49(0)4725 819 3350).

The position is limited to 3 years. The salary will be paid in accordance with the German Tarifvertrag des öffentlichen Dienstes (TVöD Bund), up to salary level **13 (66%)**.

The place of employment will be **Helgoland**.

### **This characterizes us**

- our scientific success - excellent research.
- collaboration and cooperation - intra-institute, national and international, interdisciplinary.
- opportunities to develop – on the job, aiming at other positions and beyond AWI.
- a culture of reconciling work and family – audited, and even more than that.
- our outstanding research infrastructure – ships, stations, aircraft, laboratories and more.
- an international environment – everyday contacts with people from all over the world.
- having an influence – fundamental research with social and political relevance
- flat hierarchies – freedom and responsibility.
- exciting topics – also in technology, administration and infrastructure.

Equal opportunities for women and men are an integral part of our personnel policy. Therefore, we encourage women to apply.

As Ph.D. student at AWI you will be member of the Helmholtz Graduate School for Polar and Marine Research 'POLMAR' (<http://polmar.awi.de>) or another graduate school.

Disabled applicants will be given preference when equal qualifications are present. The AWI fosters the compatibility of work and family through various means. Because of our engagement in the area of work-life compatibility we have been awarded the certificate "Career and Family".

### **We look forward to your application!**

Please forward your application by **April 17th, 2019** exclusively online.

Reference number: 32/D/Bio-b