

The [Global Climate Forum \(GCF\)](#) in Berlin is a non-profit transdisciplinary research institute founded by nobel laureate Klaus Hasselmann in order to bring together different public, private and civil society parties concerned with climate change and carry out joint studies that support environmental policies. The Research Process [Adaptation and Social Learning \(ASL\)](#) at GCF conducts internationally leading work on the economics and governance of coastal and marine adaptation from local to global scales. The process is led by Jochen Hinkel, who has been Lead Author on coastal/marine governance in the last two Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC). In the context of a new large-scale collaborative European Research project on climate change risks in Europe (ACCREU) and the economics of climate change and biodiversity ([DECIPHER](#)), ASL is seeking a

### **PhD student (65% position) on the global economics of coastal adaptation to sea-level rise**

The responsibilities of the successful candidate include:

- Advance the economic assessment of sea-level rise and extreme sea-level (surges, tides, etc.) impacts on coastal assets, the real-estate sector, infrastructure systems and/or financial assets, including distributional aspects. The exact focus of the thesis is open and will be shaped together with the successful candidate according to her/his interests.
- Conduct a European economic appraisal of coastal adaptation options including hard options (e.g., dikes, surge barriers), nature-based solutions (e.g., coastal wetland restoration), household-level adaptation (e.g., flood proofing buildings) and retreating from the coast.
- Develop suitable coastal adaptation pathways for specific sectors and/or world regions.

The work will build upon the existing global integrated modelling framework DIVA, which assesses the impacts of sea-level rise, extreme events and coastal adaptation on coastal erosion ([Hinkel et al. 2013](#)), coastal flooding ([Hinkel et al. 2014](#)) and coastal wetlands ([Schuerch et al. 2018](#)). The work will entail close collaboration with other scholars working on modelling the biophysical and socioeconomic impacts of sea-level rise and extreme events, both within GCF as well as within other European institutes.

#### Requirements

- An excellent Master degree in economics or related economic fields such as environmental or resource economics
- Excellent command (oral and written) of English (the language of the PhD thesis)
- A good command of a major programming language (e.g., Python, R, Julia)
- Familiarity with cost-benefit analysis, econometrics, optimisation methods, analysis and probability theory

We offer the opportunity to work in a high-profile, internationally recognized research institute within a global network of leading researchers on social and economic aspects of climate change and environmental issues. The successful candidate will join our friendly and highly motivated team in central Berlin (within the [Mercator Center Berlin](#)) and will benefit from a flexible, dynamic working environment, close cooperation within our team, attentive PhD supervision and flat hierarchies. The Global Climate Forum is an equal opportunity employer. We thrive for diversity and inclusion and welcome all qualified applicants. The position will start as soon as possible with a duration of 3 years. The PhD would be obtained from the [Resource Economics Group](#) at the Thayer Institute of Humboldt University in Berlin, where Hinkel is an external professor (*Privatdozent*). A salary similar to the German University Standards will be paid.

**The application deadline is 10 April 2023.** The interviews will take place in the week of 17 April. Please send your application including a motivation letter, a copy of relevant certificates, a CV, your master thesis, as well as names, email addresses and telephone numbers of two possible referees as a single PDF file with the subject "ACCREU application" to Daniel Lincke ([daniel.lincke@globalclimateforum.org](mailto:daniel.lincke@globalclimateforum.org)). For further information please contact Dr. Lincke.