

The Global Climate Forum (GCF) is a non-profit research institute based in Berlin. GCF brings together representatives of different parties concerned with climate change and sustainable development in order to carry out joint studies that provide arguments for climate mitigation and adaptation policies leading ultimately towards a sustainable development path.

GCF collaborates in various national and international research efforts such as the “Center of Excellence for Global Systems Science” (CoeGSS, funded by the European Commission) and the “*System integration* Kopernikus project: Energiewende navigation system” (ENavi, funded by the German Ministry of Science and Education).

GCF’s current study in ENavi deals with the influences of the digitalization on the mobility sector and the potential positive benefits regarding the transformation towards low-carbon transportation. Therefore, GCF is currently developing an agent-based computer simulation tool to model the transition of the German mobility sector for passenger traffic embedded in the global market. It is used to enhance the scientific view on the global transition and at the same time as a dialog tool for and with stakeholders of related sectors, political decision makers and the civil society.

To strengthen our team in GCF’s research process *Green Growth*, we invite applications for a
Simulation Engineer or Data scientist (part-time up to 50%)

The applicant is expected to contribute to GCF’s research in various projects. This involves:

- Software development of an agent-based modeling framework and related tool
- Collection, analysis and processing of data for the use as simulation data input, as well as modeling, with high performance computing
- Documentation and publication of activities
- Quality assurance (e.g. writing unit tests)
- Visualization of model output in an interactive environment

What we offer

- The opportunity to work in high-profile, international research projects
- Excellent contacts to a range of political, academic and research organizations
- A young, friendly and highly motivated working environment at the Mercator Center Berlin, which unites a range of NGOs and political actors addressing climate change

Requirements

- Familiarity and skills in programming using Python, R or similar languages
- Skills and experience in finding and processing data, and ideally also in statistical data analysis
- Some background in computational modeling
- An interest in the field of climate change/sustainability
- Master or equivalent degrees in a field related to economics, environmental engineering, sustainability or IT
- Good oral and written communication skills in English
- Ability to learn fast, and independent working style

Starting Date: As soon as possible

Contract duration: Until November/December 2018, (extension is not excluded)

Applications should include a cover letter and CV and should be sent as a single pdf file by e-mail to Andreas Geiges (andreas.geiges@globalclimateforum.org).