Software Engineer – Domain-Specific Language, Julia Application Developer

The Global Climate Forum (GCF, globalclimateforum.org), founded by Nobel laureate Klaus Hasselmann, is a non-profit research institute organized as a global association with small and attractive headquarters in the fascinating city of Berlin.

GCF investigates complex socio-economic-ecological dynamics. We understand and develop our research as a co-production of knowledge by professional researchers and a wide variety of stakeholders. Against this background, **GCF is looking for a talented software engineer to further develop a unique interactive dialogue tool**.

The position will start asap with a duration of 3 years full time (continuation is not excluded). A competitive salary will be paid according to profile. The successful candidate will join a friendly and highly motivated transdisciplinary team in the heart of Berlin, with an exceptional ability to create conditions suitable for female professionals.

We offer the opportunity to work in a high-profile, internationally recognized research institute within a global network including world-leading researchers in computer science and mathematics, as well as researchers and practitioners dealing with environmental, economic, and social challenges. Face-to-face teamwork can be combined with distance work; cooperation with members of GCF living in other countries is part of our culture.

After a few weeks of introductory work, the successful candidate will be able to:
- program a simple GUI including visualizations of data and simulated dynamics relating to water management in cities (for which climate change and policy raise major challenges)
- program in Julia, implement computer models designed in mathematical formulas, again with the economic and environmental meaning relevant for urban water supply
- modify the resulting computer model to match evolving needs and requests by users

After further introductory work the successful candidate will be able to:
- join on-going work on meta-programming in Julia to facilitate the implementation and use of models relating to a broad range of practical problems connected with the climate challenge
- provide technical support for running IT-supported stakeholder dialogues and for the little IT-infrastructure at the GCF headquarters (we have access to supercomputers but are not involved in their maintenance).

The position requires social skills, a command of English language, and a curiosity in continued education on the job is expected. A personality with vision, creativity, an innovative mindset and interests in the climate challenge is expected. The position involves international travel.

Applications must include a cover letter, CV and certificates. They shall be sent by e-mail to Dr. Heiko Thomas (heiko.thomas@globalclimateforum.org, with copy to carlo.jaeger@globalclimateforum.org). Applications received no later than March 17th 2022 will be considered. Strong candidates can start on short notice. Position is open until filled.

Job interviews can start within a week from receiving applications. For further information please contact Heiko Thomas (heiko.thomas@globalclimateforum.org).