



Student Assistant

Reference number: SA_2022_APSIS_NACSOS

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Solving the climate crisis requires the brightest minds. The Mercator Research Institute on Global Commons and Climate Change (MCC) has established itself prominently in the climate policy research landscape. We conduct world-class research on climate solutions and offer an inspiring interdisciplinary environment for scientific excellence.

If you enjoy working in a very collaborative, supportive and international team, you crave to understand what climate policies work, when, and why, and you feel that policy should be informed by the best available scientific evidence - then you may want to apply for this position in MCC's Applied Sustainability Science (APSYS) group:

Student Assistant Data Engineering and Data Science

Job duties

The successful candidate will be located at MCC (or work remotely) and work as part of the GENIE and CDRSynTra project. Both projects aim to map the literature on negative emission technologies. To do so, we are developing and maintaining a platform to acquire, manage, annotate, and automatically analyse large amounts of text documents. Among other things, the student assistant would help us in developing the platform as well as evaluating state-of-the-art machine learning and text mining methods to improve our processing pipelines. Depending on the available skills this might include:

- Develop and maintain wrappers to heterogeneous data sources / web scraping
- Develop and maintain data cleaning and integration pipelines
- Develop and maintain our web-based interface for managing datasets
- Develop and maintain text mining pipelines
- Develop a human-in-the-loop framework for interactive data annotation
- Exploring applicability of state-of-the-art text mining / web science methods
- Contribute supplemental data / analyses to our publications
- Other tasks to support the daily work of the Applied Sustainability Science group

Candidate profile

We are looking for students with a background in computer science or related fields. Good English language skills are required. The student will support our work on developing and maintaining a platform to manage and process large collections of text. To this end, experience with relational databases and Python are *required*. Experience with web technologies (JS, CSS, HTML) is *welcome*. Some prior experience with common data science libraries such as scikit-learn, numpy, and pytorch would be *a bonus*. We expect candidates to be eager to learn, able to work independently as well as in close collaboration, and deliver outputs along pre-defined timelines.

Our offer

- Experiences in an inspiring, international and interdisciplinary work environment in a world leading research institute on climate policy
- Working in a dedicated and motivated multi-cultural team
- Insights into a solution-oriented research project with several German and international partners and with immediate policy relevance
- The opportunity to contribute to tackling challenges of climate change and our common future
- An attractive workplace in an old industrial building at the EUREF - Campus in Schöneberg, Berlin

- Possibility to write an exciting master's thesis under our co-supervision closely related to your work in the field of web science

The MCC values a collaborative working place environment that values diversity, tolerance, and equity. MCC provides an exciting, collaborative, interdisciplinary and international research and working atmosphere.

Appointment terms

The position is for 1 year on an at least 8, but not more than 20 hours per week basis starting as soon as possible. Remuneration is according to "Tarifvertrag des Landes Berlin" (TV-L) at 12,68 €/hour (gross).

Applications

Please send an email with the reference number as subject SA_2022_APSIS_NACSOS to Tim Repke, repke@mcc-berlin.net. Please attach a *single PDF* (your name as filename) containing the following:

- Motivation letter
- Curriculum Vitae
- Transcript of records

The position remains open until filled. Only short-listed candidates will be contacted for an interview.

Portrait of the MCC

MCC was founded in 2012 by Stiftung Mercator and the Potsdam Institute for Climate Impact Research (PIK) and since 2014 it is affiliated with the Technical University (TU) Berlin. Our research is carried out in seven working groups and it addresses the grand challenges of climate change and of governing the global commons. Our research is rooted primarily in economics and other social sciences. We provide scientific policy advice and aim to identify policy-relevant solutions. Cooperation with high-profile international partner organizations provides a network of excellence and foster the high quality of the research at MCC. Within a few years, MCC has established itself prominently in the climate policy research landscape, ranked as No. 1 of climate think tanks in Europe.

For more information about the institute, please visit the MCC website.