

## Wissenschaftlicher Mitarbeiter or Post-Doc. (m/w/d) – Programming in Sustainability

### Our Profile:

The Institute for Sustainability in Civil Engineering started its work at the Faculty of Civil Engineering of RWTH Aachen University on June 1, 2017. We deal with the topics of environmental protection and sustainable development on a daily basis. The protection of our planet and its sustainable development are on the political agenda, but the implementation of these goals is still a big challenge in daily practice.

In our international and agile team, we are therefore engaged in sustainability assessment and research for the implementation of methods that contribute to the measurement and improvement of sustainability performance e.g. in the construction, manufacturing primary industry, mobility, food/agriculture and textile industry. In doing so, we aim to contribute to societal change so that future societies and ecosystems can coexist resiliently and in harmony.

For more information, please visit: <http://www.inab.rwth-aachen.de/>.

For our team, we are looking for a highly motivated research assistant (m/f/d) for programming in the field of sustainability. The aim is to connect the interface of informatics applications (for data collection, validation, and processing) with surveys and methods for sustainability.

### Your Profile:

- You have successfully completed a university degree (Master) in the field of environmental engineering, industrial engineering, sustainability management, sustainable finance, sustainability science or (business-)computer science with strong interest in sustainability (or similar).
- You are proficient in written and spoken English and German or are willing to learn German within one year
- You have knowledge and experience in the following areas or are willing to learn them independently:
  - o **Profound knowledge of one or more programming languages** (e.g. PHP, MySQL, CSS, Laravel, C++) as well as in the field of backend (CMS and database) and frontend (UI, UX design)
  - o **Knowledge of web technologies** such as JavaScript, HTML5, CSS, and PHP/Python
  - o Experience in data models, data management and reporting packages
  - o Basic knowledge of common on EU Taxonomy, sustainability reporting standards and requirements (e.g., EU Taxonomy Regulation and its Delegated Acts, CSR Directive Implementation Act, Economic reporting),
- You also show:
  - o Interest in the conception and programming of database processes
  - o Interest in the sustainable development and sustainable finance sector,
  - o Interest in interdisciplinary and international work and research,
  - o Interest in writing scientific reports and publications,
  - o Interest in writing and designing project proposals, project consortia and research proposals,
  - o Interest in supervisory and teaching activities.
- Besides analytical thinking skills, you have strong initiative, independence, a high ability to

work in a team and a systematic way of working.

- You demonstrate a confident manner with strong communication skills in German and English.

**Your Tasks:**

- Participation in high-level research and corresponding publications.
- Conceptional design, development/implementation and maintenance of data collection and verification processes (incl. designing the reports/form for data collection as well as defining the subsequent processes for analysis, evaluation and communication needed to measure progress
- Challenging project work in a highly motivated and international team.
- Publication of project results in the context of publications and conferences.
- Participation in teaching courses and supervision of bachelor, master and student theses.
- Acquisition of new research projects.

**Our offer:**

The position is to be filled as soon as possible and is limited to 2 years. The possibility of an extension exists.

This is a full-time position.

There is the possibility of a doctorate.

The grading is based on the TV-L.

**Your contact:**

For further information please contact

Prof. Marzia Traverso (Ph.D)

Tel.: +49 241 80-22761

E-Mail: [marzia.traverso@inab.rwth-aachen.de](mailto:marzia.traverso@inab.rwth-aachen.de)

and

Mrs. Rose Mankaa

Tel.: +49 241 80-22763

E-Mail: [rose.mankaa@inab.rwth-aachen.de](mailto:rose.mankaa@inab.rwth-aachen.de)

Please send your application by 30.06.2023 to:

INaB der RWTH Aachen University

z.H. Frau Rose Mankaa and Frau Prof. Marzia

Traverso

Mies-van-der-Rohe-Str. 1

52074 Aachen

You are also welcome to send your application by e-mail to [marzia.traverso@inab.rwth-aachen.de](mailto:marzia.traverso@inab.rwth-aachen.de) and [rose.mankaa@inab.rwth-aachen.de](mailto:rose.mankaa@inab.rwth-aachen.de). Please note that threats to confidentiality and unauthorised access by third parties cannot be ruled out when communicating by unencrypted e-mail.

We look forward to receiving your application.