

Postdoctoral Researcher in Physical MRIO Database Development

The 'Global Resource Use' Research Group at Vienna University of Economics and Business (WU) invites applications for a Postdoctoral Researcher position in the field of physical multi-regional input-output (MRIO) database development and application. This position offers a unique opportunity to **lead the update and extension of the FABIO database**, a foundational resource in understanding global resource flows in the agri-food sector, and to guide and co-supervise PhD students engaged in collaborative projects all around Europe and beyond.

Responsibilities:

- Lead the update and extension of the physical MRIO databases FABIO and FORBIO.
- Contribute to advancing methodologies for capturing global resource flows, particularly in the domains of biofuels, biochemicals, fish and seafood, and wood products.
- Guide and co-supervise PhD students at WU and beyond who are collaborating on the database extension.
- Publish high-impact research papers in renowned academic journals.
- Actively write project proposals and attract external funding.

Qualifications:

- An excellent PhD degree in a relevant field (e.g., environmental science, industrial ecology, economics, geography, data science).
- Proficiency in R for data analysis and modelling.
- Demonstrated expertise in developing and applying (physical) MRIO databases.
- Familiarity with the FAOSTAT databases.
- Understanding and keen interest in the environmental impacts of global supply chains.
- Proven track record of publications in high-level academic journals.

We offer:

- Excellent working conditions, modern facilities, friendly and supportive working environment.
- Integration into a renowned international and interdisciplinary team embedded in a global network of research partners.
- Payment in accordance with the Austrian collective agreement for university employees (annual salary of ~66,000 Euro gross, 25 days of annual leave).
- The initial contract will be for a duration of 1 year, with the possibility of prolongation.
- The position is open as of April 1st, 2024, or upon agreement.

Please submit your CV, a cover letter explaining your motivation for applying for this position, university grades and certificates, examples of your work (e.g. R scripts, your GitHub account, scientific manuscripts) to Dr. Martin Bruckner (martin.bruckner@wu.ac.at).