PhD Position on Land Use and Biodiversity Loss in Global Supply Chains

The 'Global Resource Use' Research Group at Vienna University of Economics and Business (WU) invites applications for a PhD position within the framework of the Horizon Europe project BAMBOO (https://bamboo-horizon.eu). The successful candidate will be part of an international team **investigating the impacts of trade with bio-based products on ecosystems and biodiversity globally**.

Responsibilities:

- Collect and process large amounts of data on the supply and use of biofuels, biochemicals, fish and seafood, and wood products.
- Extend existing physical multi-regional input-output databases (FABIO and FORBIO).
- Conduct independent research that improves our understanding of the environmental consequences of trade and consumption of bio-based products (food and non-food).
- Collaborate on EU- and FAO-funded projects that examine biodiversity and deforestation impacts in the context of international supply chains.
- Help managing and regularly updating the FABIO database and its extensions.

Qualifications:

- An excellent MSc degree in a relevant field (e.g., environmental science, industrial ecology, economics, geography, data science).
- Enthusiasm for data crunching, analytical thinking, precision, patience and stamina.
- Solid programming skills in R including the data.table and tidyverse libraries.
- A keen interest in the environmental impacts of global supply chains.
- Demonstrated experience in academic writing and publication.
- Experience in handling and analysing geo data as well as knowledge of relevant R (or Python) packages is an advantage.

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 (37,500-50,000 Euro gross per year, 30-40h, 25 days of annual leave).
- 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, a scientific manuscript) and contact information for two references to Dr. Martin Bruckner (martin.bruckner@wu.ac.at).