

# PostDoc Position

Full time (38,5h)

Danube University Krems & CSH Vienna

€ 3,500 minimum gross (monthly)

**Danube University Krems**  
The University for Continuing Education



**COMPLEXITY  
SCIENCE  
HUB  
VIENNA**

To strengthen our team at the [Faculty of Business and Globalization](#), Department for Knowledge and Communication Management, [Danube University Krems](#) (DUK), in strong collaboration with the [Complexity Science Hub Vienna](#), we are looking for a

## RESEARCH FELLOW (m/f/d) – POSTDOC

### YOUR TASKS

Together with the Transdisciplinary Laboratory Sustainable Mineral Resources (SMR Td-Lab) at the DUK and the CSH team you aim to work on

- Dynamic models which integrate reserve-resource dynamics of mineral raw materials, with a geological and economic/financial dimension (e.g., building on cumulative supply curves, financial and commodity markets, etc.), and related systemic risk assessment as integral parts of a sustainable mineral resource approach (extending on phosphorus and relevant byproducts along the supply chain)
- Deepening the understanding of the supply chain of mineral resources and the implications of Circular Economy principles and outline opportunities and limitations
- Analyses and modeling of innovation-induced transition paths (such as related to mineral raw materials as part of coupled human–environment systems)
- Evolutionary prerequisites for successful innovation patterns
- Sustainability assessment (such as related to mineral resource management)

### YOUR PROFILE

- Completed university degree (PhD) in a field related to data analytics such as quantitative economics
- Experience in carrying out and leading academic research projects/groups
- Experience in publishing in peer reviewed high-ranked scientific journals
- Experience or interest in inter- and transdisciplinary work
- Excellent mathematical, modeling, and programming skills (such as R, Python, EViews, and others)
- Willingness to help building and contributing to a team in this field
- Excellent command of spoken and written English (minimum C1)
- Written and spoken command of German is advantageous

## YOUR PERSPECTIVE

- A full-time position (38.5 hours per week, flexible working hours), initially limited until 31 July 2025, and EUR 3,500.00 minimum gross monthly salary of W3 Danube University Krems Work and Remuneration Regulations. Willingness to overpay for appropriate qualifications and professional experience.
- Places of work: Krems and Vienna
- An innovative and modern working environment
- Opportunities to participate in the University's academic courses, health, and sport programs
- Excellent opportunities of continuing education with the University's programs, a comprehensive offer of health promotion and Campus Sport.
- The University's own childcare facility "Campus Kids"
- Good transportation links (campus shuttle bus from/to railway station; one hour direct train ride from Vienna)

We are looking forward to receiving applications from persons with disabilities who possess the required profile. Danube University Krems sees a high innovation potential in the diversity of its employees and has declared diversity to be a leading principle.

We look forward to receiving your application by 8 August 2021 via our online tool

<https://www.donau-uni.ac.at/vacancies>

Privacy statement of the Complexity Science Hub Vienna, which will be involved in the selection process:

<https://www.csh.ac.at/data-protection>