



# Research Associates for the project “Bio-Accelerated Mineral Weathering (<https://www.fet-bam.eu/>)” §28 subsection 3 HmbHG

**Institution:** Faculty of Mathematics, Informatics and Natural Sciences, Department of Earth System Sciences, Institute for Geology

**Salary level:** EGR. 13 TV-L

**Start date:** 01.09.2021, fixed until 30.08.2025 (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG])

**Application deadline:** 2021-06-11

**Scope of work:** part-time

**Weekly hours:** 65 % of standard work hours per week

## Responsibilities:

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications and project results may be used in the context of doctorate.

## Specific Duties:

The successful candidate will work in a multidisciplinary project on accelerating mineral weathering by biotic activity (<https://www.fet-bam.eu/>). Supported by project partners, you will participate in designing, conducting and analysing batch reactor experiments in order to enhance the weathering of silicate minerals, a carbon dioxide removal technology resulting in long-term carbon sequestration. The focus of this position within the larger project is on the role of factors accelerating weathering and stimulation by biota and on the geochemical properties of the reaction products. Analysis methods include for example ion chromatography, alkalinity titration, photometry, AAS/ICP, mineral analysis (XRF, XRD). As a large number of samples will be treated, data management skills are needed. The successful candidate will also contribute to other parts of the project, including the development of a hybrid reactor at the University of Antwerp.

## Requirements:

A university degree in a relevant field. An MSc degree in (bio)geochemistry, aquatic geochemistry, geology or a related field. Hands-on experience in, or at least a strong affinity with, designing batch reactor experiments or related hydrogeochemical work. Interest to collaborate in a multidisciplinary, international team. Willing to travel regularly to our partner institutes (especially University of Antwerp and Wageningen University). Excellent English language proficiency. Experience with (hydro)geochemical laboratory work, with conducting statistical analysis as well as scientific writing.

# We offer



Reliable remuneration based on wage agreements



Continuing education opportunities



University pensions



Attractive location



Flexible working hours



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Public transport pass (ProfiTicket) and much more



Health management



Educational leave



30 days of vacation per annum

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

## Tips on applying

### Contact

Prof. Jens Hartmann  
[jens.hartmann@uni-hamburg.de](mailto:jens.hartmann@uni-hamburg.de)  
040 42838-6686

### Location

Bundesstraße 55  
20146 Hamburg  
[Zu Google Maps](#)

### Reference number

149

### Application deadline

2021-06-11

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by email to: [jens.hartmann@uni-hamburg.de](mailto:jens.hartmann@uni-hamburg.de)

Please note that we cannot return application documents. Therefore, do not submit original documents. We will destroy your documents after the procedure has ended.

More information on [data protection](#) in selection procedure.

