

## Vacancy No. 15/3/13 G

The Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences is the national Research Centre for Geosciences in Germany and a member of the Helmholtz Association. Department 3 "Geodynamics and Geomaterials", Section 3.4 "Earth Surface Geochemistry", invites applications for a

### Research Associate in Isotope Geochemistry

in the field of "non-traditional" stable isotope geochemistry. Our research focuses on the development and application of isotopic tools in Earth surface (weathering) processes. Through field and laboratory studies, we quantify physical erosion, chemical weathering, and cycling of elements through different geochemical reservoirs, such as rock, soil, plants, ground water, and river water. We employ several stable isotope systems using our "Neptune" multicollector ICP-MS, optical ICP, clean laboratories, and a new in-house built femtosecond laser ablation system for micrometer-scale isotope analysis. Interaction with GFZ groups engaged in the study of cosmogenic nuclides, Geomorphology, Hydrology, Mineral Chemistry, shallow Geophysics, or Microbiology is encouraged.

#### Tasks:

- Designing, conducting, and publishing of scientific projects in the field of new stable isotope systems
- (e.g., Li, Mg, Si, Ca, Cr, Fe, Zn, Mo) in the compartments of the Earth surface
- Placing these findings into a geomorphic, soil, or river geochemical context
- Supervision of laboratory staff and graduate students, support in drafting their manuscripts

#### Qualifications:

- Doctorate or PhD in Isotope Geochemistry or related fields. Extensive experience in the conduction of research projects and very good publications in any of the following fields:
  - Geochemistry of "non-traditional" stable isotopes
  - Research on weathering (soil, saprolite, higher plants, soil-, ground- and river water)
  - Multicollector-ICP mass spectrometry or TIMS

<b>Start:</b>	01.10.2013 or thereafter
<b>Duration:</b>	3 years, extendable by additional 3 years
<b>Salary:</b>	EG 13 TVöD-O
<b>Contact:</b>	Prof. Friedhelm von Blanckenburg ( <a href="mailto:fvb@gfz-potsdam.de">fvb@gfz-potsdam.de</a> )
<b>Deadline:</b>	Evaluation will begin June 1 <sup>st</sup> 2013 and will continue until the position is filled.

Equal opportunity is part of our personnel policy. The GFZ Potsdam encourages applications from qualified female candidates. A kindergarten service is available. Handicapped applicants will be given preference in the case of equal qualifications.

Letters of application should include a CV, list of publications, copies of university degrees, a concise statement of research interests, and the names of three potential referees. Please submit your application, stating the above given code number to:

Helmholtz-Zentrum Potsdam  
**Deutsches GeoForschungsZentrum**  
- Personal- und Sozialwesen -  
Telegrafenberg  
14473 Potsdam

**Email Please apply exclusively to [bewerbungen@gfz-potsdam.de](mailto:bewerbungen@gfz-potsdam.de)**