

**PhD position in fjord sediment geochemistry and Patagonian hydrology
at Ghent University, Belgium**

We invite applications for a **4-yr PhD student position** in the field of **sediment geochemistry**. The selected candidate will work on the development of sediment inorganic geochemical tracers of hydrological variability for application in paleoclimatology. He/she will collect and analyze modern sediment samples in selected rivers and fjords in Chilean Patagonia, and investigate the relations between hydrodynamics and sediment composition. In addition, the selected candidate will work in close collaboration with another PhD student investigating the frequency of Glacial Lake Outburst Floods in the same region.

The PhD student will join an international team of 20+ scientists at the Renard Centre of Marine Geology (<http://www.rcmg.ugent.be/>). He/she will also work in close collaboration with scientists at COPAS Sur-Austral, Chile (<http://www.sur-austral.cl/>).

The project involves field expeditions in Patagonia, intensive laboratory work focused on sediment geochemistry, grain size and mineralogy, as well as numerical modeling (in collaboration with GJ Weltje, KU Leuven, Belgium). The starting date is flexible between March 1st and September 1st, 2016.

The ideal candidate holds a Master in Geology, Marine Geoscience, Environmental Sciences, or related field, and he/she has experience with sediment sampling techniques and sediment geochemistry. A MSc degree is required at the time of appointment. We expect the candidate to be highly motivated, organized, and fluent in spoken and written English. Excellent team-working and analytical skills are required. The candidate should be willing to participate in research stays abroad and he/she should be able to endure rough conditions on the field and at sea. Basic knowledge of Spanish and international experience is an advantage. Although the position is focused on research, the PhD student may occasionally be asked to help with teaching activities.

We offer a competitive salary (~1900 EUR net/month), minimal tuition fees, and compensation for the use of public transport (train) and bike to/from work. Additional information regarding PhD studies at Ghent University can be found on <http://www.ugent.be/en/research/doctoralresearch/leaflet-phd.pdf/view>

To apply, please send a single pdf file containing 1) a motivation letter (personal statement describing research experience and interests), 2) an up-to-date CV (including education history, grades and MSc thesis project), and 3) name and contact information of at least two references to sebastien.bertrand@ugent.be. Review of applications will start on **February 15, 2016** and will continue until the position is filled.

For informal enquiries, feel free to contact sebastien.bertrand@ugent.be