

# International Max Planck Research School for Global Biogeochemical Cycles

The IMPRS-gBGC located in Jena, Germany, offers fellowships to outstanding students interested in research on biogeochemical cycles in the Earth system. The school provides excellent research possibilities for students to obtain a PhD degree in a 3-years graduate program.

## The Research School

Successful applicants will be part of the International Max Planck Research School for Global Biogeochemical Cycles. Research at the school focuses on the distribution of elements essential to life and the climate among the components of the Earth system and the interaction between biosphere, atmosphere, lithosphere, land and oceans.

Besides doing research for their PhD project, PhD candidates also benefit from a three-month external research visit, specialised courses in e.g. statistics, Earth observation, modelling and analytical techniques, as well as in soft skills. The school is thus an excellent starting platform for a successful career in a field related to global biogeochemical cycles and Earth System Science.

## Projects currently open for application

### Atmosphere

- Greenhouse gas measurements from commercial airliners: exploiting a new data stream

### Biosphere & Ecosystems

- Thermodynamics and the land surface system

### Soils, soil microbiology & soil hydrology

- Resilience of the interaction between plants and soil microorganisms

### Paleoclimate

- The lacustrine communities in extreme environments - PhD subject 1: Effect of increasing temperature on the distribution and isotopic composition of their cell membrane lipids
- The lacustrine communities in extreme environments - PhD subject 2: Effect of increasing temperature on the microbial community structure in lake aggregates and in lake sediments

## Requirements

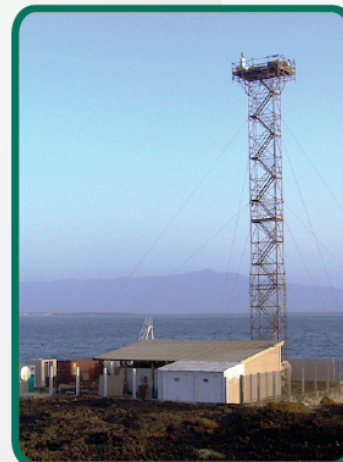
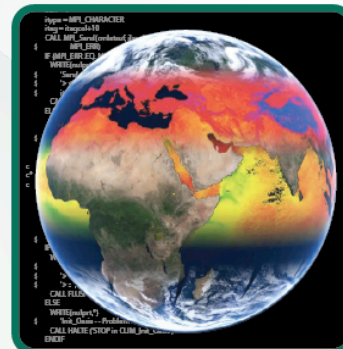
We welcome applications from well-motivated and highly-qualified students from all countries. Applicants hold (or are about to receive) a Master of Science, German 'Diplom' or equivalent degree in natural sciences.

Proficiency in English is required since English is the official language of the program. Handicapped persons with comparable qualifications receive preferential status. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

## How to apply

Application deadline for these fully funded PhD positions is February 03, 2013. Top candidates will be invited to take part in our selection symposium (April 15-16, 2013)

>> Find out more and apply online: [www.imprs-gbgc.de](http://www.imprs-gbgc.de)



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