



## Ph.D. Course Announcement

### Global Elemental Cycles and Environmental Change (3 ECTS)

*9 – 13 October 2023*

**Course Organizers:** Daniel Conley and Lettice Hicks  
Department of Geology and Department of Biology, Lund University

**Sponsors:** ClimBEco Research School & GeoBiosphere Science Centre, Lund University

**Description:** The primary purpose of the course is to provide students with an advanced understanding of biogeochemical cycles, their drivers and global change in ecosystems. Detailed knowledge of specific elemental cycles with the transformations and movement of chemical substances will be taught in an integrated perspective. In addition, emphasis will be placed on coupling biogeochemical cycles of different elements, the role of microbial drivers and the multi-disciplinary nature of environmental change. The course is tailored to enhance the professional competence of Ph.D. students from a range of disciplines, such as physical geography, biology, geology, oceanography, ecology and environmental sciences to develop knowledge of the processes that affect planet Earth in the past, the present and the future.

The course will be an intensive course during one week full-time. The course includes lectures, student presentations, an excursion and discussions.

**Lecturers include:**

Daniel Conley, Lettice Hicks, Anders Ahlström, Tobias Biermann, Michal Heliasz, Emma Kritzberg, Kimberly Nicholas, Rebecca Pickering, Johannes Rousk, Lund University  
Tom Jilbert, Helsinki University  
Riikka Rinnan, Copenhagen University  
Appy Sluijs, Utrecht University

**Course Costs:** There are no costs for taking the course. ClimBEco PhD students will have their housing and travelling expenses paid. Non-ClimBEco students will have to pay their own travel and housing.

**Application:** To be eligible for the course the participant must be enrolled as a PhD-student. Applications from PhD students from outside of Lund University will also be accepted, although the number of external places is limited. Interested post-docs are also welcome to apply. Please send a one page letter describing your research topic, your motivation to take the course and whether you are affiliated with ClimBEco or another research school. In addition, please attach a short CV (2 pages) by **8 September 2023** to [lettice.hicks@biol.lu.se](mailto:lettice.hicks@biol.lu.se)