The school is intended for PhD students and Post Docs in the broad area of climatology, planetary science, geology and biogeochemistry. It will have the format of a workshop with plenty of time for working on assigned problems, interactions between participants and lecturers. Motto: Ask, what you never dared asking before. Themes will be what governs planetary climate and habitability? Climate on the early Earth and other planets: Evolution of the atmosphere, oceans and biosphere, snowball earth and the faint young suns paradox, life and development of continents, mechanisms of self-regulation, habitability on exoplanets.

The research station is situated on the Island Stora Bornö where the space is limited to a maximum of 20 participants:
http://www.gvc.gu.se/Department_of_earth_sciences/Oceanography/Research/Borno_station/

Participants will be selected on the basis of submitted CV. Application should be send by email to: pditlev@nbi.ku.dk and marked ‘application, PhD school’ in the subject field.

Deadline for application is August 15., 2019.

Registration fee: €500 (PhD students) €800 (Post docs) covers accommodation and all meals. A limited number of grants for reducing/waving the fee are available, please indicate eventual need in the application.

Lecturers and topics include:

**Jim Kasting** (Penn State Univ., USA) ”Evolution of Earth’s Atmosphere and Climate”

**Ray Pierrehumbert** (Oxford Univ., UK) ”Exchange between planetary interiors and atmospheres and habitability”

**Minik Rosing** (Univ. Copenhagen, Denmark) ”Early life and formation of continents”

**Tais Dahl** (Univ. Copenhagen, Denmark) ”Land plants and regulation of CO2 in Earth’s atmosphere”

**Peter Ditlevsen** (Univ. Copenhagen, Denmark) ”Tipping points and abrupt changes in the climate”