

Research Fellows (RFs) and Assistant (RAs) positions available

Research positions are available in the National Environmental Research Institute (NERI)/Department of Geography, National University of Singapore funded through the Integrated Tropical Peatlands Research Programme (INTPREP), a new initiative that brings together peatland research expertise in Singapore and internationally.

The Department of Geography, NUS, is frequently ranked among the top Geography departments in the world, and is host to around 35 faculty and more than 70 research students and staff (<https://www.fas.nus.edu.sg/geog/>). Laboratory facilities in the Department have recently been expanded and upgraded. NERI, a university-level research institute (<http://nus.edu.sg/neri/>), collaborates with government, industry, NGOs and leading academic partners in addressing real-world, environmental issues.

Specifically NERI/Department of Geography is looking to recruit four research staff positions, two at postdoctoral (Research Fellow) and two at Research Associate (RA) levels to research tropical peatlands carbon cycling dynamics and decomposition science/hydrology. We seek motivated applicants with fieldwork experience (ideally involving tropical peatlands) and expertise in (1) GHGs, C isotopes, soil biogeochemistry (2) hydrology, dissolved organic matter/carbon (DOM/DOC) dynamics, modelling for the carbon cycling dynamics and decomposition science/hydrology positions, respectively.

Those appointed will work within a multi-disciplinary research team (including microbiologists, terrestrial and aquatic biogeochemists, botanists, hydrologists, artificial intelligence experts). Potential fieldwork sites will be in Sumatra, Indonesia.

For more information, see <http://nus.edu.sg/neri/peatlands/> and/or contact one of the PIs listed below

The RFs appointed will work closely with the RAs, and with other members of the research team.

Knowledge and experience requirements for the carbon cycling dynamics RF:

- PhD degree in Geography, Earth system science, Biology or a related field
- Fieldwork experience, preferably in the tropics
- Experience in carbon fluxes measurements
- Experience with C14 and/or C13 isotopes
- Experience with quantitative data analysis
- Prior experience in publishing in peer-reviewed scientific journals

Knowledge and experience requirements for the hydrology, DOM/DOC dynamics RF:

- PhD degree in Geography, Earth system science, Biology or a related field
- Fieldwork experience, preferably in the tropics
- Experience in peatland hydrology
- Experience in the biogeochemistry of DOM/DOC
- Experience with peat ecosystem-scale hydrological modelling
- Prior experience in publishing in peer-reviewed scientific journals

Key Competency Requirements for both RFs:

- Logical thinking and creative problem solving is essential.
- Self-driven, highly motivated, collaborative, with interest to work with other researchers to produce high-quality and impactful research
- Ability to work independently to develop research projects and execute fieldwork in tropical peat ecosystems
- Excellent oral and written communication skills in English

Key requirements for both RA positions:

- MSc degree in the Geographical, Earth, Environmental or Biological sciences, or a related discipline
- Prior experience of laboratory and field work
- Ability to think logically and solve problems creatively
- Self-driven, highly motivated, collaborative, and able to work unsupervised and as part of a team
- Willingness to acquire new skills

The positions are available for up three years (renewable annually), starting from November 2019. Salary will be commensurate with experience and it will be alligned with the NUS salary scale. An annual bonus, dependent on performance, is also potentially available, in-line with NUS policy.

Further enquiries can be directed to Asst. Prof. Max Lupascu (mlupascu@ntu.edu.sg) for the carbon cycling dynamics positions, or Prof David Taylor (David.taylor@nus.edu.sg) for the hydrology, DOM/DOC positions.

Interested applicants are invited to submit a full CV, names and contact details of three referees, a write-up of no more than 800 words, explaining the candidate's past research experience and aptitude in relation to the research project, to Ms Joyce Tan: eritxhj@nus.edu.sg (cc mlupascu@nus.edu.sg or David.taylor@nus.edu.sg) (deadline 9/25/2019).

Indicating *either* **Research Fellow – INTPREP (Geog) or Research Associate – INTPREP (Geog)** in the title.