



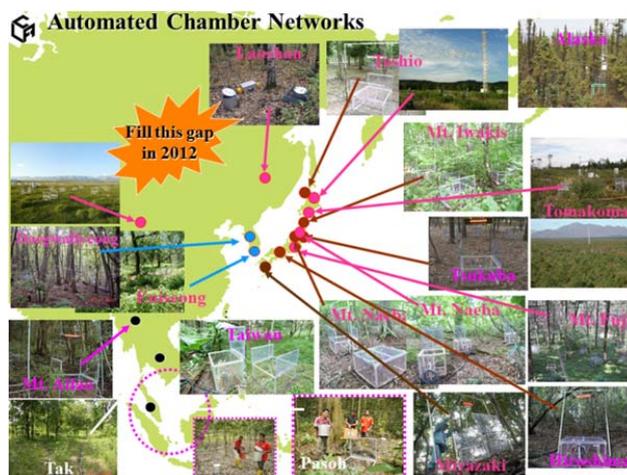
**Global Carbon Cycle Research Section
Center for Global Environmental Research (CGER)
National Institute for Environmental Studies (NIES)**

Post-doctoral Researcher, duration: ~ 31 March 2015 Focusing on Soil Carbon Cycle

The Global Carbon Cycle Research Section of CGER/NIES hosts leading research efforts of carbon cycle in boreal, temperate, and tropical forest ecosystems, and now has an exciting opportunity for a full-time Post-doctoral scientist (which is named as Research Associate at NIES) to study soil carbon dynamic under expected climate change. The scientific objective is to analyze the field data obtained mainly with an automated chamber network and publish their results in the high level open journals.

Automated Chamber Network:

Since the mid-1990s, we have developed and installed the multichannel automated chamber systems in tundra in west Siberia, boreal forest in Alaska, temperate and cool-temperate forests in Japan, Korea and China, subtropical forests in Japan, Taiwan and China, tropical seasonal forests in Thailand, and tropical rainforests in Malaysia, for continuous measurements of soil CO₂ efflux. Furthermore, eight of the systems are applied to the soil warming experiments. Currently, the chamber network is expanding rapidly in Asian region. Our ultimate objective is to estimate the soil carbon budget of Asian forest ecosystems as well as its response and feedback to the regional climate change.



Tasks:

The successful candidate will focus on: (1) analysis of the field data obtained mainly with the above automated chamber network; (2) publication of the analysed data in the open Journals; (3) oral presentation of results; and (4) field measurements. He/She will also join the collaboration with several teams within CGER, including: (1) tower flux observation, (2) atmosphere sciences, (3) ocean sciences, and (4) terrestrial modelling, as well as international collaboration with several important groups under AsiaFlux.

30 March 2012

Qualifications (experience / requirements):

- A PhD degree in plant ecophysiology, plant functional ecology, biogeochemistry or related fields. Prior field soil respiration experience is strongly desired but not required.
- Strong English writing skills to publish results.
- With no difficulty for field works.
- Minorities, women and members of other underrepresented groups are encouraged to apply. NIES is an equal opportunity institution.

Start date is flexible, with a preferred date before October 2012.

We offer:

- An exciting and diverse intellectual environment: (1) CGER/NIES in Tsukuba, the Science City of Japan; (2) Chamber network sites.
- Immediate incorporation into a research group of international prestige
- Attendance of international conferences and workshops
- Competitive salary and benefits according to NIES fellowship basis (Japanese yen 4,700,000-5,700,000/year with seven ranks)
- **Note:** This is a one-year term appointment with the possibility of renewal annually to maximum three years based upon performance, funding availabilities, and operational need.

How to apply:

Email a single pdf to Naishen Liang (liang@nies.go.jp) with subject POSTDOC: SOIL CARBON including (1) cover letter with a 1-2 page of summary highlighting personal research interests and goals; (2) curriculum vitae (CV); (3) Copy of your PhD-degree; and (3) contact information for at least three names who can serve as references.

Review of applications will begin immediately and continue until a suitable candidate is found. Review of applications will start on 1st April, but the search will remain active until the position is filled.