

Global COE Program

Program for promoting participation in the ecological research network between Japan and Taiwan: toward better projection of ecological responses to climate changes

This program aims to facilitate graduate students and young scientists to participate in the ecological research network between Japan and Taiwan. The program contains four sections: lecture course, research talks, group discussion, and presentation of research plan. (1) We will provide lectures to communicate current knowledge and understanding in the research of ecological responses to human-induced environmental changes. (2) We will share the latest research achievement in climate change ecology. (3) Participants will join working groups and plan the launching process of the ecological research network between Japan and Taiwan. (4) Each group will make a presentation on the research plan of cooperative studies. Through these programs, we aim to develop an international research network among graduate students and young scientists.

Location of the venues

Conference Hall, Hokkaido University Sapporo Campus

Timeline

26th Nov (Mon) – 28th Nov (Wed), 2012

The first day (26th), 9:00-18:30: Lecture course, research talk, group discussion

The second day (27th), 9:00-18:30: Lecture course, research talk, group discussion

The third day (28th), 10:00-13:30: Presentation of research plan

Application

Ph.D. students, master students, and postdoctoral researchers in Japan are welcome to apply for this program. No fees are required to attend the program. We will use English during the program. Please download and fill the application form (Japanese or English version) from the webpage of IFES-GCOE Global COE program and send it by e-mail as the attached file to Dr. Masahiro Nakamura (*Field Science Center for Northern Biosphere, Hokkaido University*).

IFES-GCOE, Hokkaido University

<http://www.ees.hokudai.ac.jp/gcoe/en/index.html>

Dr. Masahiro Nakamura

[masahiro@a"fsc.hokudai.ac.jp](mailto:masahiro@fsc.hokudai.ac.jp), (“a” = @)

In case of too many applications, organizers will evaluate the suitability based on their application forms.

Deadline for application

1st October, 2012

Summary of the program

Backgrounds

Climate change and other direct drivers (e.g. habitat change and invasive species) are predicted to interactively induce ecological responses at various levels such as interspecific interaction, population and community dynamics, and ecosystem processes. Since these

multiple drives may appear with different combinations in different climate regions (e.g. temperate/tropical) and ecosystems (e.g. forest/ocean), comparative studies on ecological responses among different regions and ecosystems will contribute to better understanding the interactive effects of multiple drivers. To achieve such comparative ecological research, we are in a process to develop a research network between Japan and Taiwan, which covers a large geographical scale including diverse climate and biospheres and consists of researchers with various research methods and skills.

In this program, we would like to provide an opportunity for graduate students and young scientists to join actively the launching processes of the ecological research network between Japan and Taiwan. Such an experience would help international collaboration and project management. We also aim to improve the scientific communication skills of Japanese students through interactions with graduate students and young scientists from Taiwan. We are happy to have graduate students who are interested in learning an example of international collaboration in East Asia for development of sciences and environmental management.

Some information of the program

This program has the following four sections. Detailed program will be uploaded later on the web page.

[1] Lecture course (Morning and Afternoon sessions in the 1st and 2nd days)

Specialists from Japan and Taiwan will give a series of lectures on loss of biodiversity and ecosystem services, long-term observational research in ecology, and skills in mathematical modeling and statistical analysis in population and community ecology.

[2] Research talk (Morning and Afternoon sessions in the 1st and 2nd days)

Young scientists from Japan and Taiwan will give research talks concerning their latest achievement in climate change ecology of which topics include observation, experiments, modeling, and analysis.

[3] Group discussion (Afternoon sessions in the 1st and 2nd days)

Participants will be allocated to several groups (e.g. forest and marine systems). We will facilitate graduate students to join the launching process of the ecological research network. We will also have poster presentation time for graduate students.

[4] Presentation of research plan (3rd day)

Graduate students in each group will give presentation on the research plan of cooperative studies, and all of the participants will discuss on these plans.

Contact

Field Science Center for Northern Biosphere, Hokkaido University

Dr. Masahiro Nakamura

Email: masahiro@fsc.hokudai.ac.jp, (“a” = @)

Tel: +81-1656-5-3216

Local organizing committee

Masahiro Nakamura, Shunsuke Utumi, Kribu Fukuzawa (Field Science Center for Northern Biosphere, Hokkaido University), Akiko Satake (Graduate School of Environmental Science, Hokkaido University), Atsushi Yamauchi (Center for Ecological Research, Kyoto University),

Chih-hao Hsieh, Takeshi Miki, Takefumi Nakazawa (Institute of Oceanography, National Taiwan University)

Sponsor

IFES-GCOE, Hokkaido University

Co-sponsor

JaLTER (Japan Long-Term Ecological Research Network), TERN (Taiwan Ecological Research Network)

List of invited speakers

The following is a part of the list of invited speakers who will give lectures or research talks.

Hsuan-Wien Chen (Academia Sinica)
I-Ching Chen (Cheng-Kung University)
Tzung-Su Ding (National Taiwan University)
Chuan-Kai Ho (National Taiwan University)
Chih-hao Hsieh (National Taiwan University)
Michio Kondoh (Ryukoku University)
Hsing-Juh Lin (National Chung Hsing University)
Yiching Lin (Tunghai University)
Yu-Teh Kirk Lin (National Taiwan University)
Takeshi Miki (National Taiwan University)
Masahiro Nakamura (Hokkaido University)
Hiroaki Saito (Fisheries Research Agency)
I-Fang Sun (National Dong Hwa University)
Atsushi Yamauchi (Kyoto University)
Hsin-Ming Yeh (Fisheries Research Institute, COA)
Hui-Yu Wang (National Taiwan University)

(titles omitted)