

# International Spring School on Environmental Studies 2018

Graduate School of Global Environmental Studies,  
Kyoto University

## 【Outline】

This short term program "International Spring School on Environmental Studies" is designed to understand and deepen the environmental issues (this year, we focus on energy, food, and societies of urban and rural areas) in our daily life through both lecture courses and field studies with active discussion among international participants. This program provides various techniques and knowledge of environmental science (environmental engineering, marine ecology, atmospheric chemistry, agronomy, and soil science) in Kansai region, Japan.

We encourage students with high academic capability and interests in international academic exchange to apply for this scholarship.

**Main topics to learn and discuss: Energy, Food, Linkage among Urban and Rural Areas**



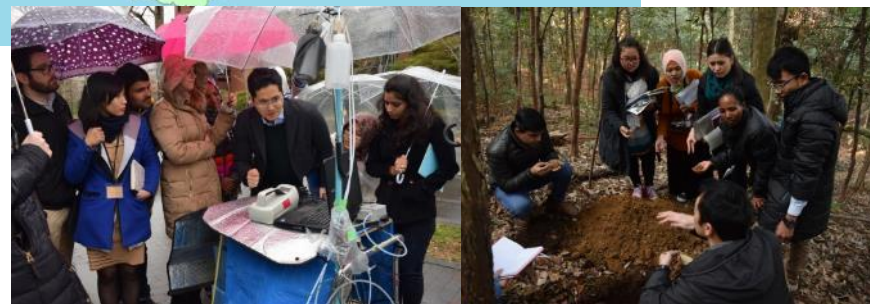
## Water & Culture around Lake Biwa (24<sup>th</sup> – 26<sup>th</sup> Feb.)

Investigating the environment and human activities around Lake Biwa with a focus on natural history, local livelihood, waste management, wastewater treatment, environmental conservation and eco-tourism.



## Soil & Forest in Wakayama, Mie (9<sup>th</sup> - 11<sup>th</sup> Mar.)

Learning about mountains in Japan from the disciplinary perspectives on agriculture (soils) and ecology (forest).



## 【Field study sites and activities】

### Satomi, Satoyama, & Energy, Kyoto

(1<sup>st</sup> – 3<sup>rd</sup> Mar.)

Visit to wind turbine and nuclear power plants will deepen understanding of complex energy issues. We will study about the marine environment and biodiversity in the Sea of Japan through the evaluation of several water parameters, and identify composition of fishes and benthos using molecular genetic techniques. In addition, we will visit rural villages to learn about livelihoods, the Satoyama landscape, local culture and emerging social issues such as aging and depopulation.

### Interacting with culture and people in Kyoto (5<sup>th</sup> Mar.)

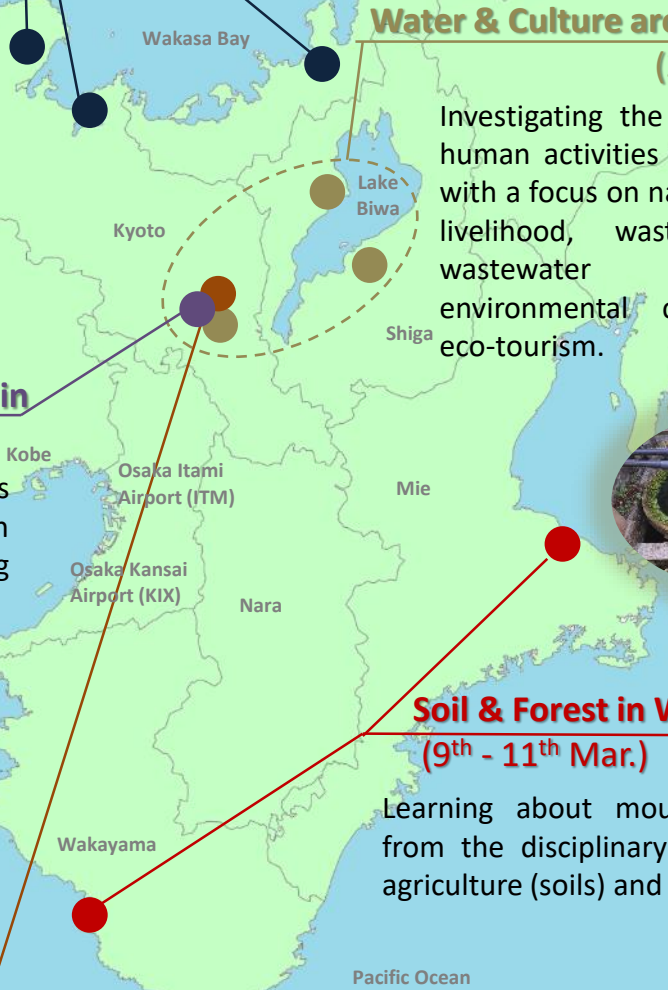
Together with Kyoto University students we will visit cultural and historical places in Kyoto city to gain in-depth understanding of Kyoto and student life.



### Atmospheric chemistry in Kyoto

(27<sup>th</sup> – 28<sup>th</sup> Feb.)

Learning about air pollution studies such as kinetic study for NO<sub>x</sub>, ozone reaction, and air quality observation in Kyoto, and participating in aerosol formation experiments on secondary organic aerosols from ozonolysis, and aerosols from plant emissions.





## 【Schedule for 2018 Program】

February 21<sup>st</sup> Arrival

22<sup>nd</sup> Orientation, campus tour, dinner seminar

23<sup>rd</sup> Spring School Seminar (lecture series)

24<sup>th</sup>-26<sup>th</sup> Field study tour of Kyoto and Shiga

27<sup>th</sup>-28<sup>th</sup> Atmospheric Chemistry Seminar

March

1<sup>st</sup>-3<sup>rd</sup> Field study in Satoyama (Miyazu) and Marine Ecosystem and Energy (Maizuru, Fukui)

4<sup>th</sup> Day off

5<sup>th</sup> Kyoto city cultural learning tour

6<sup>th</sup> Laboratory visit

7<sup>th</sup> Day off

8<sup>th</sup> Laboratory visit

9<sup>th</sup>-11<sup>th</sup> Field study on soil and forest (Wakayama, Mie)

12<sup>th</sup> Day off

13<sup>th</sup> Preparation for final seminar

14<sup>th</sup> Final seminar and discussion

15<sup>th</sup> Departure



### 【Laboratory Visits (6<sup>th</sup>, 8<sup>th</sup> Mar.)】

During the Spring School, participants will participate in visits to GSGES laboratories to study specific research topics, knowledge and know-how in environmental studies. Participants visit a laboratory related to your current studies on March 6<sup>th</sup>. On March 8<sup>th</sup>, you can select 1 or 2 of the following GSGES laboratories: Global Environmental Policy, Global Ecological Economics, Environmental Education, Environmentally-friendly Industries for Sustainable Development, Environmental Infrastructure Engineering, Environmental Biotechnology, Environmentally-Friendly Energy Conversion, Regional Planning, Earthquake Disaster Risk Management, Ecosystem Production & Dynamics.

### 【Number of students to be accepted】

- 12 (Designated Universities \*See qualification)
- 06 (Kyoto University)

### 【Qualification】

High-achieving students who are currently registered with a full-time or part-time graduate (master's or doctoral) program and have been recommended by one of these universities: The University of California, San Diego (U.S.A.), Université Lille (France), Université Caen Normandie (France), Université de Bretagne Occidentale (France), University of Stirling (Scotland), University College Cork (Ireland), University of Modena and Reggio Emilia (Italy), KU Leuven (Belgium), Macquarie University (Australia), Sokoine University of Agriculture (Tanzania), Mahidol University (Thailand), Bogor Agricultural University (Indonesia), Tsinghua University (China) and Kyoto University. Student must be planning to return to their graduate program after completing the Spring School in Japan.

### 【Documents for application】

- Application form (On-line application)
- Latest academic transcripts (graduate or undergraduate courses)
- Recommendation letter from your current academic supervisor
- Certification of your current student status
- CV

### 【Important Dates】

Mid-Oct.: Opening of registration

7th Nov.: Application deadline

Mid-Nov.: Notification of screening

Late Nov.- early Dec.: Interview  
(by Skype, video conference system)

Mid-Dec.: Submission of original documents,  
confirmation letter, and a copy of passport

Late Dec.: Final notification of acceptance



### 【Scholarship coverage】

- Round-trip flight ticket between the nearest airport from your University and Kansai Airport/Itami Airport (\*Except students from Kyoto University)
- Transportation cost for field trip and study tour
- Support of 3,000 yen per day (not full coverage of lodging expenses)

### 【Expenses incurred by individual participants】

- Accident insurance
- Expenses for daily meals
- Remaining lodging expenses
- Transportation costs from Hotel to Kyoto University (Train/Bus)

### 【Notification】

There may be some later schedule and content changes. We apologize for any inconvenience. We will inform you immediately of major changes. For more, please check our website.

【Website】 <http://www2.jgp.ges.kyoto-u.ac.jp/>

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