2nd International Forum on Global Food Resources

New Models for Research, Education and Human Resource Development

Program

Date: 5th and 6th October 2016
Venue: Faculty of Agriculture, Hokkaido University

Organized by
The Preparation Committee of the Graduate School of Global Food Resources
Global Station for Food, Land and Water Resources, Global Institution for Collaborative Research and Education
Day 1 (Oct 5th)

**Opening** 13:00 - 13:20  (venue: Grand Lecture Hall)  Coordinator: Prof. Inoue

Dr. Atsushi Yokota  Chair of the Preparation Committee of the Graduate School of Global Food Resources, Hokkaido University
Dr. Keizo Yamaguchi  President of Hokkaido University
Dr. Sharon P. Shoemaker  Executive Director, California Institute of Food and Agricultural Research, UC Davis

**Keynote** 13:20 – 15:00  (venue: Grand Lecture Hall)  Coordinator: Prof. Matsuishi

Dr. Gretchen Kalonji  
Professor, Global Station for Food, Land and Water Resources, Hokkaido University  
/Former Assistant Director General for Natural Sciences, UNESCO  
"Perspectives on multinational university alliances on global food security"

Dr. Peter Gardiner  
Director of Science, CGIAR Consortium  
"Enhancing Global Food Resources: the CGIAR strategy and its future portfolio of programmes"

Dr. Jean Robert Pitte  
Professor, Global Station for Food, Land and Water Resources, Hokkaido University  
/Former President of University of Paris-Sorbonne  
"What could bring the geographical approach to the new Graduate School of Food Studies?  
- With the view of French way of quality farming production - “

Mr. Bent Brodersen and Ms. Lene Moth  
Ringkøbing-Skjern Municipality and Farmers' Union of West Jutland, Denmark  
"Role of the local community for the challenges of new practical education" (tentative)

**Coffee Break** 15:00 – 15:30

**Session 1** 15:30 – 18:30  (venue: Grand Lecture Hall)  Coordinator: Prof. Sone

**Title:** Our Challenges in Food Production and Human Health

Prof. Teruo Sone (Hokkaido University): What we can do for the improvement of productivity under global warming: rice and wines

Prof. Amanda Bayer (University of Massachusetts): Improving irrigation efficiency and controlling plant growth with soil moisture sensors

Prof. Masashi Takahashi (Hokkaido University): Current status of reproductive techniques for efficient livestock production

Prof. Shuso Kawamura (Hokkaido University): Application of near-infrared spectroscopy (NIRS) for determining quality of grain and milk

Prof. Robert Hackman (University of California, Davis): Fruits, nuts, tea and cardiovascular health

Prof. Brian Fox (University of Wisconsin-Madison): Biochemical transformations contributing to sustainability of life on earth

**Evening Session** 19:00 – 21:00  (venue: Room F319)  Coordinator: Prof. Funamizu

The purpose of this informal session is to discuss future perspectives on research work on resources for food production and food security. We have prepared the following questions:

- What are the issues on future food security globally and locally?
- Why are you studying current topics?
- How can we establish the new discipline on Global Food Resources?

This informal session is a kind of talk show with 10 minutes talks and fruitful discussion are expected.

Refreshments and light meals are available in this evening session.
Day 2 (Oct 6th)

Session 2  9:30 – 12:30  (venue: Grand Lecture Hall)  Coordinator: Prof. Matsuishi

Title: How Do We Contribute to the Current Issues in Global Food and Resource Problems? – The Power of Humanities and Social Science –
Prof. Philippe Karpe (CIRAD): The Commons: a well-based and policy supportive concept to a new self-constructed community well-being
Prof. Takako Nabeshima (Hokkaido University): Historical acculturation of rural community: Why does a political scientist deal with African peasants?
Prof. Methee Kaewnern (Kasetsart University): Issues and perspective of the fishery management in ASEAN Countries
Prof. Kuniyuki Kobayashi (Hokkaido University): The rising of quality turn and network
Prof. Marit Kragt (The University of Western Australia): The opportunities and costs of climate change mitigation on Australian grain farms
Prof. Yoko Saito (Hokkaido University): Livestock insurance in rural Vietnam and poverty alleviation
Prof. Khin Mar Cho (Country Director of Myanmar / Cornell University): Linking agriculture, food systems and nutrition

Lunch Break 12:30 – 14:00

Session 3-1  14:00 – 15:20  (venue: Grand Lecture Hall)  Coordinator: Prof. Kawaguchi

Title: Soil and Water Environmental Science for Global Food Resource: Remote Sensing and Monitoring for Agricultural System and Crop
Prof. Luciano Gonzalez (The University of Sydney): The role of new technologies for research, education and monitoring of global food resources: Can an international network of sites be developed to provide near real-time information?
Prof. Tomomichi Kato (Hokkaido University): Sun-induced fluorescence measurement for real-time detecting of ecosystem-scale photosynthesis in crop field
Prof. Malika Madelin (Université Paris-Diderot Paris7): Ecosystems and agrosystems in the context of climate change: a geographical approach

Coffee Break 15:20 – 15:40

Session 3-2  15:40 – 17:00  (venue: Grand Lecture Hall)  Coordinator: Prof. Kato

Title: Soil and Water Environmental Science for Global Food Resource: Soil and Water Environment
Prof. Yoshitaka Uchida (Hokkaido University): Farm-scale nitrogen balances and use efficiencies on Hokkaido dairy farms
Prof. Junichi Kashiwagi (Hokkaido University): Temporal changes in soil fertility and the attempt to maintain the land productivity under slash- and-burn cultivation in the Northern Laos
Prof. Guizani Mokhtar (Hokkaido University): Bacterial endotoxin in reclaimed wastewater

Keynotes  17:00 – 17:50  (venue: Grand Lecture Hall)  Coordinator: Prof. Matsuishi

Dr. Sharon P. Shoemaker
Executive Director, California Institute of Food and Agricultural Research, UC Davis
"UC Davis and Hokkaido University Graduate School of Global Food Resources: Partners in excellence and innovation"

Dr. Takashi Inoue
Vice-Dean, Research Faculty of Agriculture, Hokkaido University
"Experience of Hokkaido University and its role on global food resources"

Closing  17:50 – 18:00  (venue: Grand Lecture Hall)  Coordinator: Prof. Funamizu

Farewell Reception  19:00 – 21:00  (venue: Keio Plaza Hotel Sapporo)


**Evening Session**

Date: 5th October 19:00-21:00
Venue: F319, Food Resources and Research Building