

RIHN 14th International Symposium

**Fair Use of Multiple Resources in  
Cross-Scale Context**

July 11 - 12, 2019

Kyoto, Japan

**Organized by**

Research Institute for Humanity and Nature (RIHN)

National Institutes for the Humanities (NIHU)

Inter-University Research Institute Corporation

## PREAMBLE

Global environmental problems are inter-related each other. The production, circulation and consumption of resources should be discussed in relation to a range of spatial scales, and stakeholders should be involved in these discussions. The linkage among stakeholders through a resource are not always very clear. Citizens in a city, farmers, and the forest managers in upstream are interlinked through water utilization. A supply chain of a product may connect the suppliers and consumers in global scale. Sometimes they do not recognize their connections, and cause unfairness of resource use.

We need to take socio-ecological issues into account relating to human well-being, and fairness and/or equity in resource use to attain sustainable systems. Approaches to make the connections among stakeholders visible and effective governance involving stakeholders in various spatial scales are necessary to attain fair resource use.

In this symposium, we try to discuss the issues on fair resource use from watershed scale to global, in particular focusing on the (1) resource management governance considering human well-being, (2) necessary tools and system to attain sustainable resource use in multi-scale, and (3) fairness and equity for resource use among multi-stakeholders in multi-scale from the legal, economic and ethical perspectives.

# OUTLINE OF THE SESSIONS

## **1. Adaptive Governance of Social-Ecological Systems**

This session overviews and discusses the basic ideas, current status and future agenda of adaptive governance for multi-scale issues. Special attention will be paid to how the adaptive governance can reconcile the different needs (well-being) or agenda of stakeholders dispersed at different spatial levels. Case studies on governance from watersheds, etc. will be introduced.

## **2. Approaches to Bridging Temporal-Spatial Scales**

This session discusses various approaches to analyze multi-resources, multi-scales, and multi-stakeholders, especially focusing on material flow, environmental footprint analysis, environmental traceability methodology using stable isotope analysis, and well-being assessment.

## **3. Multi-Scalar and Multi-Actor Equity and Fairness**

This session overviews and discusses the equity and fairness among different areas and actors, particularly those occurred between advanced and developing countries, and present and (virtual) future generations from the different disciplines.

# PROGRAM

Thursday, July 11, 2019

---

## Plenary Session

Chair: **Tohru NAKASHIZUKA** (RIHN)

- 13:00-13:10      Welcome and Opening Remarks  
**Tetsuzo YASUNARI** (Director-General, RIHN)
- 13:10-13:15      Introduction to Plenary Session  
**Tohru NAKASHIZUKA** (RIHN)
- 13:15-14:15      Keynote Address  
Steering toward Sustainability:  
Cross-scale Interactions, Behavioral Mechanisms, and the Idea of Optimality  
**Oran R. YOUNG**  
(Bren School of Environmental Science & Management,  
University of California, Santa Barbara, USA)
- 14:15-14:30      Coffee Break

---

## **Session 1     Adaptive Governance of Social-Ecological Systems**

Chair: **Ria A. LAMBINO** (RIHN) and

**Shigeo YACHI**

(Center for Ecological Research, Kyoto University, Japan)

- 14:30-14:40     Introduction to Session 1  
**Ria A. LAMBINO** (RIHN) and  
**Shigeo YACHI** (CER, Kyoto University, Japan)
- 14:40-15:25     Adaptive Governance: Community-level Management and Multi-level Linkages  
**Fikret BERKES**  
(Natural Resources Institute, University of Manitoba, Canada)
- 15:25-15:55     Watershed Governance: A Case in the Lake Biwa Watershed  
**Noboru OKUDA** (RIHN)
- 15:55-16:25     Stakeholder Engagement in Environmental Governance:  
Case of Sta. Rosa Watershed, Philippines  
**Ria A. LAMBINO** (RIHN)
- 16:25-16:40     Coffee Break
- 16:40-17:40     Discussion
- Discussants:  
**R. Bin WONG**  
(Department of History, University of California, Los Angeles, USA.)  
**Kenichi WAKITA**  
(Department of Sociology, Ryukoku University, Japan)
- 17:45-19:00     Reception at RIHN

Friday, July 12, 2019

---

## **Session 2 Approaches to Bridging Temporal-Spatial Scales**

Chair: **Ichiro TAYASU** (RIHN) and **Keiichiro KANEMOTO** (RIHN)

- 10:00-10:10 Introduction to Session 2  
**Ichiro TAYASU** (RIHN) and **Keiichiro KANEMOTO** (RIHN)
- 10:10-10:40 Visualization of Supply Chain Risks behind Phosphorus Resource Consumption  
**Kazuyo MATSUBAE**  
(Graduate School of Environmental Studies, Tohoku University, Japan)
- 10:40-11:10 Traceability and Authentication of Premium Products Using Stable Isotope Ratios Analysis  
**Federica CAMIN**  
(Research and Innovation Centre, Fondazione Edmund Mach, Italy)
- 11:10-11:40 Tracking Products and the Environment  
**Keiichiro KANEMOTO** (RIHN)
- 11:40-11:55 Coffee Break
- 11:55-12:40 Discussion  
  
Discussant:  
**Fumikazu AKAMATSU**  
(National Research Institute of Brewing, Japan)
- 12:40-13:40 Lunch

---

## Session 3    **Multi-Scalar and Multi-Actor Equity and Fairness**

Chair: **Kunihiko KOBAYASHI (RIHN)** and **Yasuhisa KONDO (RIHN)**

- 13:40-13:50      Introduction to Session 3  
**Kunihiko KOBAYASHI (RIHN)** and **Yasuhisa KONDO (RIHN)**
- 13:50-14:20      Do Markets with Capital Accumulation Engender Distributive Justice  
and Sustainability?  
**Naoki YOSHIHARA** (Department of Economics,  
The University of Massachusetts Amherst, USA)
- 14:20-14:50      A Global Environmental Law Perspective on Fairness and Equity  
**Elisa MORGERA** (Law School, University of Strathclyde, UK)
- 14:50-15:20      Intergenerational Ethics Based on the Ongoing Reality  
**Tsuyoshi TERAMOTO**  
(Faculty of Science and Engineering, Chuo University, Japan)
- 15:20-15:35      Coffee Break
- 15:35-16:20      Discussion

## Final Session

Chair: **Tohru NAKASHIZUKA (RIHN)**

- 16:20-17:20      Discussion across all sessions

## Closing

- 17:20-17:35      Closing Remarks  
**Hein MALLEE (RIHN)**