

## Coordination

## Knowledge Networks

RIHN maintains a wide national and international research network, and utilizes various modes of collaboration with national and international research institutions. In addition to establishing the MOUs necessary to facilitate research collaborations, RIHN also provides opportunity for overseas researchers to contribute directly to the RIHN research community as either Invited Scholar or Visiting Research Fellow.



## RIHN Invited Scholar Program & RIHN Visiting Research Fellow Program

### Opportunities for Overseas Researchers to Spend Time at RIHN

RIHN has established two programs to enable overseas researchers to spend several months at the Institute, engaging in research and interacting with other RIHN researchers. The basic idea is that such visits benefit both the researcher and the Institute. The programs are open to researchers based outside of Japan (including those with Japanese nationality) and researchers based in Japan with a nationality other than Japanese. Candidates for both schemes are selected competitively.



- The RIHN **Invited Scholar Program** enables overseas researchers to spend between one and three months at RIHN and to contribute to the development of the Institute's intellectual foundations and strategic directions. Invited Scholars should be widely recognized in their fields and able to provide a strategic overview of the relevance of their disciplinary or interdisciplinary studies to RIHN's engagement in global environmental studies. Invited Scholars are selected based on nomination by RIHN faculty members who act as their host. Invited Scholars are employed by RIHN during their stay and receive a stipend.

- The RIHN **Visiting Research Fellow Program** brings overseas researchers to the Institute for periods of two to six months to engage in specific research in the context of one of the RIHN Programs, Projects or RIHN Center Divisions. Visiting Research Fellows are not employed by RIHN, but their travel, accommodation and daily expenses are covered by an allowance. Visiting Research Fellows are selected based on applications from the candidates themselves. RIHN faculty members act as hosts during the stay and candidates are required to identify and consult with potential hosts before applying.



## Science Communication

As a national research institute, RIHN is expected to conduct exemplary science. It also must communicate its research agenda and results to the public and contribute to public awareness and discussion of contemporary environmentalism. A number of public symposia, seminar series, and publications are designed to reach specialist and general audiences. Recent activities and publications include:

### The Earth Forum Kyoto and the Earth Hall of Fame Kyoto Award

The Earth Forum Kyoto invites world-renowned experts and activists to discuss the environmental and cultural bases of more responsible human societies. The Earth Hall of Fame Kyoto Award is given to those who have made exemplary contributions to the protection of the global environment. Organizers of the event are the International Institute for Advanced Studies, the Kyoto International Conference Center, and RIHN.

The 2019 recipients of the Earth Hall of Fame Kyoto Award were Ms. Mary Robinson (Former President of Ireland, Former UN High Commissioner for Human Rights) and IPCC (Intergovernmental Panel on Climate Change).



### RIHN International Symposium

An annual symposium at RIHN exploring the key concepts of RIHN Research Programs.

#### Fair Use of Multiple Resources in Cross-Scale Context 11-12 July 2019

##### 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)



Professor Oran R. Young, of Bren School of Environmental Science & Management, University of California, Santa Barbara, giving the 2019 keynote speech.



## RIHN Public Seminars

Public seminars are held throughout the year at RIHN or in the city center.

**Bon Appetit, Afrique!**  
**Life/Gastronomic Worlds of Mali and Burkina Faso Make us Think About Future of Our Region and Globe**  
 21 June 2019

## RIHN Seminars

This seminar series is oriented towards researchers at RIHN, inviting a wide range of visiting scholars to present their most current research. Seminars in 2019 included:

**Establishing, Quantifying and Monitoring Connectivity in Hydrological Systems Using Stable Isotope**  
 J. BOWEN, Professor, University of Utah  
 30 May 2019

**Using Plurisecular Trajectories of the Hydrosystems to Improve River Management**  
 David ESCHBACH, JSPS Postdoctoral Fellow / METIS Laboratory, Sorbonne University  
 13 November 2019

## Other Events

**「よもぎパン」**  
 伝統的食文化の継承と発展  
 2019年11月15日(金) 18:00-19:00  
 会場: 豊洲ふれんどと伝承館  
 入場: 無料



**脱炭素社会の実現に向けて**  
 世界の動向と京都の挑戦  
 2019年5月11日(土) 10:30-18:00  
 会場: 国立京都国際会館 アネックスホール  
 入場: 無料



## RIHN Regional Community Seminars

RIHN Regional Community Seminars take place in, and address specific environmental issues pertaining to, a particular part of Japan.

**How to Develop Business Models for Sustainable Society**  
 18 July 2019, Graduate School / Faculty of Engineering, Hokkaido University

**Regional Revitalization Through GIAHS: Dialogue Between Generations**  
 12 November 2019, Morotsuka Junior High School, Miyazaki

**Linking Ecosystem Networks with Fun for Nature Conservation and Social Bonding**  
 22 December 2019, Lake Biwa Museum, Shiga

**Sustainable Food and Agriculture can Open a New Future for Kameoka City**  
 19 January 2020, Galleria Kameoka, Kyoto

**Waterweed in Lake Biwa: Towards a Civic Participatory Environmental Governance**  
 8 February 2020, Collabo Shiga 21

**アフリカ食文化の深淵に迫る**  
 2019.12.1(日) 開場 12:30 開演 13:00  
 会場: 京都府立大学 本館 H-117



**ACCESS**  
 13:00-13:10 受付開始  
 13:10-13:40 開演  
 13:40-14:00 質疑応答  
 14:00-14:10 閉会


**やんばる印書堂 伝統の味とあなたの未来レシピ**  
 2019年11月28日(木)  
 会場: 印書堂 東京本店



**Urban Land Teleconnection and Sustainability**  
 2019年6月28日(金)  
 会場: 総合地球環境学研究所 セミナー室3-64



**Seeing the knowledge**  
 Environmental experience and the humanities  
 21 October 9:00-18:00 / 22 October 9:30-13:00  
 会場: 京都府立大学 本館 H-117



**みんなが作って みんなが食べて みんなが楽しむ**  
 2019年10月26日(土) 14:00-16:00  
 会場: 京都府立大学 本館 H-117



## Environmental Isotope Study

As an Inter-University Research Institute Corporation, RIHN maintains state-of-the-art laboratories, with a central emphasis on stable-isotope analysis.

In 2012, RIHN established the “Environmental Isotope Study” cooperative research program that promotes understanding of the utility of stable isotope analysis in contemporary environmental studies and enables collaboration with researchers from other universities and research institutes. RIHN's laboratories are widely used by external researchers and students, and more than one hundred universities or research institutes within and outside of Japan have utilized our up-to-date isotope research facilities so far. We hold an annual training course in August, and organize an annual symposium on environmental isotope study in December in order to create a national and international research network for the next generation and support environmental isotope studies around the world.

From 2020, we started a follow-up project (Post Core Project) entitled “Applied research platform based on environmental traceability” to apply the methodology to environmental research, collaborating with various stakeholders.



## Future Earth

RIHN hosts the Future Earth Asia Regional Center (<http://www.futureearth.org/asiacentre>), that supports development of Future Earth in the region, helps connect researchers and other stakeholders, and facilitates the formation of regionally relevant and credible governance structures for the initiative. The Center has convened a Regional Advisory Committee to accelerate the regional development of Future Earth and collaborated in launching various Future Earth programs focused in Asia: Monsoon Asia Integrated Research for Sustainability – Future Earth (MAIRS-FE), Sustainability Initiative in the Marginal Seas of South and East Asia (SIMSEA) and Health Investigation and Air Sensing for Asian Pollution (Hi-ASAP). The Center supports the Knowledge-Action Network on “Systems of Sustainable Consumption and Production” (<http://www.futureearth.org/future-earth-sscp>) and hosts the TERRA School, a course on Transdisciplinarity for Early career Researchers in Asia.



TERRA School participants on fieldwork in an organic farm in Kameoka December 2019.



Dynamic face-to-face interaction of participants during the seminar on Why Systems of Sustainable Consumption and Production is essential to achieving the SDGs. The session had virtual participation as well. February 2020



Regional Centre for Future Earth in Asia Website  
A map of the Future Earth Community in Asia has been developed on the website. This map shows people and institutions in the region that are actively engaged in Future Earth activities. ([www.futureearth.org/asiacentre/](http://www.futureearth.org/asiacentre/))



## Environmental Education

This unit promotes environmental education for public school students from primary to secondary levels. It coordinates school tours to RIHN, where students visit laboratories and research project workspaces, and can speak directly with lab technicians and scientists of many different disciplines and specializations. It also conducts teacher-training activities in order to convey updated perspectives and methods in environmental science.

The practice of environmental education also stimulates RIHN to revisit its own practices in global environmental science. Environmental education therefore plays an important part in RIHN's mission to work with different social actors—from individual students and teachers, to entire schools and school districts, and beyond—to develop knowledge that enhances public understanding of and engagement with the contemporary environment.



## RIHN Open House

Each summer RIHN holds an annual Open House in which RIHN research rooms and laboratories are opened to the public. Research projects and Institute staff develop games and exercises for both children and adults in order to invite creative thought about contemporary environmental issues. The RIHN Open House has proven particularly attractive to families with young children, with up to 900 people from the surrounding community participating in an average year.



## Ecohealth

### New Development of Ecohealth Research in Asia

This project is a collaboration with the National Museum of Ethnology and the National Institute of Japanese Literature, supported by the National Institutes for the Humanities. It adopts an Ecohealth approach that places human health in a wider ecosystem context and explores the linkages among livelihoods, food and subsistence, ecological environment and demographic and social change in Asia.

Through historical examination of concepts of health in East Asia and contemporary fieldwork in communities in Laos, China and Japan experiencing rapid demographic change, the project aims to move beyond disease-oriented understandings to a holistic and positive appreciation of health in specific contexts and places.



2nd Asia Forum on Ecohealth Research  
(Organized by NIHU Multidisciplinary Collaborative Project Ecohealth Research, Hainan Provincial Center for Disease Control and Prevention, Eco-health & Human Ecology Committee, the Ecological Society of China in Hainkou City, China, Nov 2019)

## Interactive Communication Initiative

This initiative aims at developing a new methodology of environmental studies based on interactive methods of research visualization. For this purpose, this initiative supports the translation of RIHN project research activities and outcomes into graphical forms and exhibitions.

Such diverse modes of communication increase the sophistication and accessibility of RIHN's transdisciplinary research dedicated to the co-creation of regionally- and culturally-sensitive societies closely linked to nature.



A self-reflection of the activities of 'Dziko Langa', a child-youth sanitation club in Zambia, by digital storytelling with youth members and a local artist. (October 2019).

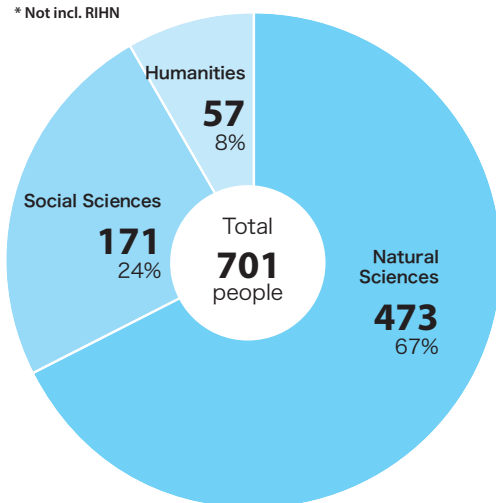


Serious Board Game Jam 2019 (September 2019), a two-day workshop to create board games on dining with mixed teams of college students, creators, civic members, and researchers.

## Collaboration

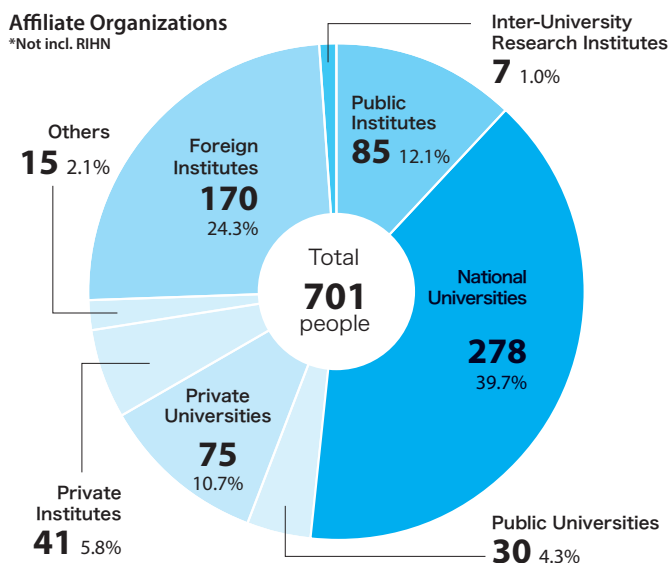
### Research Areas

\* Not incl. RIHN



### Affiliate Organizations

\*Not incl. RIHN



\*As of March 31st, 2020

## Collaboration in Japan \*As of April 1st, 2020

### Research Institutions

Graduate School of Environmental Studies, Nagoya University  
 Doshisha University  
 Nagasaki University  
 Kyoto Sangyo University  
 Tottori University of Environmental Studies  
 Kyoto University  
 Center for Environmental Remote Sensing, Chiba University  
 Institute of Nature and Environmental Technology, Kanazawa University  
 Faculty of Engineering, GI-CoRE, Faculty of Health Sciences, Research Faculty of Agriculture, Hokkaido University  
 Graduate School of Arts and Sciences, The University of Tokyo  
 Graduate School of Life Sciences, Tohoku University  
 Faculty of Collaborative Regional Innovation, Ehime University  
 Kyoto Seika University  
 The Institute of Statistical Mathematics  
 Nara Women's University

### Municipal Governments and Other Agencies

Saijo City, Ehime Prefecture  
 Kyoto Municipal Science Center for Youth  
 Food and Agricultural Materials Inspection Center (FAMIC)  
 Ono City, Fukui Prefecture  
 Kameoka City, Kyoto Prefecture  
 Kyoto Prefectural Hokuryo Senior High School  
 Kyoto Prefectural Rakuhoku Senior High School  
 Miyazaki Prefecture  
 NHK Educational Corporation  
 Noshiro City, Akita Prefecture  
 Kyoto City, ICLEI Japan, Kyoto Environmental Activities Association  
 Kyoto Institute, Library and Archives  
 Oshinomura, Yamanashi Prefecture

## International Collaboration \*As of April 1st, 2020

### AUSTRIA

International Institute for Applied Systems Analysis

### BHUTAN

College of Natural Resources, Royal University of Bhutan

### BURKINA FASO

l'Association des Jeunes pour la Protection de l'Environnement et d'Elevage

### CAMEROON

Association Tam-Tam Mobile mutcare

### CHINA

East China Normal University  
 Eco-environmental Protection Institute, Shanghai Academy of Agricultural Sciences  
 Hainan Provincial Center for Disease Control and Prevention  
 Peking University

### GERMANY

Institute for Advanced Sustainability Studies

### INDONESIA

Indonesian Institute of Sciences  
 Institut Teknologi Bandung  
 Research Center for Biology, Indonesian Institute of Sciences  
 The State University of Gorontalo  
 Universitas Riau  
 University of Lampung

### LAOS

Lao Tropical and Public Health Institute, Ministry of Health

### NETHERLANDS

Copernicus Institute of Sustainable Development, Utrecht University

### OMAN

Sultan Qaboos University

### PHILIPPINES

University of the Philippines Diliman

### SWEDEN

The Sven Hedin Foundation

### THAILAND

Faculty of Social Sciences and Humanities, Mahidol University  
 Rice Department, Ministry of Agriculture and Cooperatives

### UNITED STATES OF AMERICA

University of California, Berkeley

### ZAMBIA

University of Zambia



## Institutional Research Unit

The Institutional Research (IR) Unit supports the RIHN Council of Research Strategy in developing and coordinating RIHN's research, education, and coordination strategies. The IR Unit collects and analyzes a wide range of data relating to research results, research quality, research organization, education and capacity building, contribution to society and international collaboration and

dissemination. Based on this, the IR Unit develops decision support tools for RIHN, analyzing current research trends and methods, and developing new research evaluation indicators tailored to the evaluation of interdisciplinary and transdisciplinary research.

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## Public Relations Unit

The Public Relations (PR) Unit supports the dissemination and sharing of RIHN research results and information about the Institute's approach to research. In collaboration with RIHN researchers, it reaches out to the general public through events such as the Citizens' Seminars, Regional Collaborations Seminars, and the RIHN Open House; through the RIHN website and social media; and by issuing press releases and organizing press conferences. The PR

Unit also issues a range of publications including the RIHN Prospectus, Newsletter, and two book series, one for specialized audiences and one for the general public. By fostering a lively two-way communication with the research community and the general public, the PR Unit strives to contribute to the crystallization of a RIHN identity and to the maintenance of an open institute.

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## International Publications Unit

The International Publications Unit (IPU) supports planning and promoting RIHN non-Japanese language publications that enhance RIHN's international presence and stature. RIHN has partnered with Springer Nature Publishers to establish the Global Environmental Studies book series. Titles in the series reflect the full breadth of RIHN scholarship. IPU members are also involved as Section

Editors in the journal *Global Sustainability* (Cambridge University Press) and are responsible for the open-ended collection of "Humanities and Global Sustainability" in the journal. The works of IPU bear out RIHN's approach to solution-oriented research, namely the transdisciplinary study that helps transformation of human-environment interaction.



Above: OTANI Michitaka, Children in Phnom Penh, Cambodia

Bottom: SHIMIZU Takao, Grain Warehouse, Burkina Faso