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Hokkaido University Sustainability Weeks 2015

**Reaffirm
“Sapporo Sustainability Declaration 2008”**

Annual Report



**HOKKAIDO
UNIVERSITY**

About This Document

This is the annual report of the Sustainability Weeks which is a campaign Hokkaido University launched in 2007 to promote research and education for the realization of a sustainable society. This mainly consists of PDF files converted from the website of the Sustainability Weeks 2015.

To keep the records as of when the events were held, some pages include out-of-date information, website links, and contact information which is not valid currently.

Details of an event, “GiFT –Global Issues Forum for Tomorrow-,” are available on Hokkaido University website. Please use the search engine with the key words “GiFT” to find out more.

This is the English annual report of Sustainability Weeks 2015. Its Japanese version and other years’ annual reports of Sustainability Weeks are available on the website as well. We are glad if you refer to them for your better understanding.

Also, please understand that it is difficult to answer inquiries about the event details since the only event planners and host members at that time have detailed information. We hope this document helps you somehow to contribute to achieve a sustainable society.

Secretariat of Sustainability Weeks

Hokkaido University

March, 2017

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1. Overview of Sustainability Weeks 2015

Features of This Year

- Theme : **Reaffirm Our Responsibility for the Sapporo Sustainability Declaration 2008**
- Core period : Sat, October 24 – Sun, November 8, 2015
- Number of events : 32
- Event period : Fri, August 21, 2015 – Sun, March 6, 2016
- Number of participants : 27,694
- Points worth special mention:
 - Since the leaders of the world's major economies were to meet in Japan in 2016 for the first time in eight years, SW 2015 focused on the Sapporo Sustainability Declaration (SSD). The SSD was adopted by leading higher education institutions before the leaders of the world's major economies last met in Japan (at the G8 Hokkaido Toyako Summit). The Secretariat for Sustainability Weeks provided prioritized support to events intended to reaffirm the SSD and review the paths taken since its adoption.
 - Presidents and rectors from various universities gathered at the Hokkaido University – Finnish Universities Joint Symposium and the Japan-Indonesia Rectors' Conference. They reaffirmed the huge responsibility of universities for the sustainability of natural and social environments in the Arctic at the former event and in Japan and Indonesia at the latter event. At both events, the usefulness of inter-university collaboration and industry-academia partnerships in the fulfillment of such responsibilities was recognized.
 - A group of Hokkaido University students presided over the fifth annual Internet forum known as GiFT. The 1.5-hour live video streaming on YouTube attracted 267 viewers worldwide.
 - SW 2015 included new events organized by motivated students, including "TED x HokkaidoU" to share ideas worth spreading through presentations, "Hult Prize," an international competition for student social entrepreneurship, and the Hokkaido Indonesian Student Association Scientific Meeting.
 - SW 2015 attracted more than 20,000 people thanks to the organization of exhibitions by Hokkaido University Library and large-scale events by students.

❖ Greeting from the President

It has been seven years since the Group of Eight (G8) summit was held at Lake-Toya, Hokkaido. To contribute to its discussion, twenty seven representatives of world leading universities gathered in Sapporo city and adopted “Sapporo Sustainability Declaration (SSD)” just before the G8 summit. The SSD stated universities’ responsibility as the driving force for developing a sustainable society. Hokkaido University, played an important role to adopt this declaration, keeps holding the Sustainability Weeks (SW) annually to put it into practice.

During the Weeks, researchers, students, and local residents gather and bring their knowledge, skills, experiences, and wisdom together to explore solutions for global issues threatening our present and future life. They include global warming, environmental deterioration, low birthrate and longevity, economic disparity, and more.

Next year, the summit will be held in Japan for the first time in 8 years. Prior to the significant event, we invite participants to “Reaffirm SSD 2008” in SW this year. It is the time indeed to review the roles played by universities and researchers to develop a sustainable society. On this occasion, we hope many of you and Hokkaido University will take a new step from here.



Keizo Yamaguchi,
President of Hokkaido
University

Keizo Yamaguchi



Hokkaido University Sustainability Weeks 2015

Reaffirm “Sapporo Sustainability Declaration 2008”



**HOKKAIDO
UNIVERSITY**



Message from the President

Keizo Yamaguchi

It has been seven years since the Group of Eight (G8) summit was held at Lake-Toya, Hokkaido. To contribute to its discussion, twenty seven representatives of world leading universities gathered in Sapporo city and adopted “Sapporo Sustainability Declaration (SSD)”¹ just before the G8 summit. The SSD stated universities’ responsibility as the driving force for developing a sustainable society. Hokkaido University, played an important role to adopt this declaration, keeps holding the Sustainability Weeks (SW)² annually to put it into practice.

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1

Sapporo Sustainability Declaration (SSD)

SSD was adopted in the world’s first G8 University Summit held in 2008 with representatives of 27 leading universities, including Yale University in USA, the University of British Columbia in Canada, University of Cambridge in UK, and United Nations University.

2

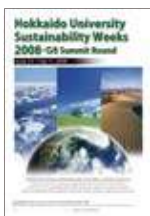
Sustainability Weeks (SW)

Since 2007, various 267 events have been held. They include symposia, exhibitions, contests and public seminars. More than 150,000 people participated in the events. Experts and students from a wide range of academic fields also gather to SW. Topics of discussion cover various issues which are necessary to build a sustainable society.

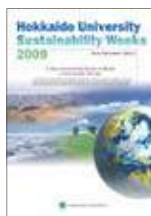
History of the Sustainability Weeks



Year 2007



2008



2009



2010



2011



2012



2013



2014





Hokkaido University Sustainability Weeks 2015

Reaffirm "Sapporo Sustainability Declaration 2008"

< Legend >

Event ID corresponds to the map.



The icons show events' theme categories.

Free entry to events except ones with remarks.

Online application

<https://huci.oia.hokudai.ac.jp/sw/list?locale=en>

01

Every Fridays from Aug. 21 to Sep. 25
18:15 ~ 19:45

Mysterious Materials: Its Science and Applications

Payment needed
(Bank transfer in advance)

a Some materials in the natural world have mysterious properties. A diversity is provided by micro-materials, which are smaller than milli-materials, and by even smaller meso- and nano-materials. School of Engineering researchers at the cutting edge of studies on how such properties can be applied to everyday life will describe these materials using colorful illustrations and video footage.

b Lecture hall B11, 1st floor, Faculty of Engineering c Japanese (No interpretation)
d Required (by phone, e-mails or website) e Faculty of Engineering
f Citizen's College of Hokkaido & Ishikari Citizen's College
g Faculty of Engineering TEL: +81-(0)11-706-6707 E-mail: k-gaksei@eng.hokudai.ac.jp
h <http://www.eng.hokudai.ac.jp/graduate/top/news/?topic=15042201>



Sunday, Oct. 11 Door Open 11:00, Start 13:00

TEDxHokkaidoU 2015: Allure of Adventure

Payment
Needed

a A theme titled "The Allure of Adventure" will be explored at TEDxHokkaidoU (an event modeled on the popular US presentation forum TED). The session will help to highlight valuable but as-yet untapped ideas at HU. HU students will plan and run the event to help create a sustainable society based on the accumulated wisdom of experts.



b Center for Food & Medical Innovation c English-Japanese consecutive interpretation
d Required (on official website by Sep. 21)
e TEDxHokkaidoU Committee
g TEDxHokkaidoU E-mail: info@tedxhokkaidou.com
h <https://www.ted.com/tedx/events/15339>

Student
Organized

03

Tuesday, Oct. 13 14:00 ~ 19:00 ;
Wednesday, Oct. 14 9:00 ~ 19:00 ; Thursday, Oct. 15 9:00 ~ 17:00

1st International Symposium of Institute for Catalysis

a Catalysis Research Center will be reorganized and renamed the Institute for Catalysis in October 2015 to promote international shared use and collaboration with researchers in other fields. A lecture meeting, a ceremony and a celebration to mark this change are scheduled to take place on October 13. On October 14 and 15, an international symposium will be held with renowned researchers. Discussions will cover the promotion of international collaborative research toward the creation of a sustainable society.

b Frontier Research in Applied Sciences Building c English d Required
e Institute for Catalysis f Hokkaido Branch of the Chemical Society of Japan, Frontier Chemistry Center
g Catalysis Research Center (contact: A. Nakayama)
TEL: +81-(0)11-706-9145 E-mail: nakayama@cat.hokudai.ac.jp
h <http://www.eng.hokudai.ac.jp/graduate/top/news/?topic=15042201>

04

Thursday, Oct. 15 14:00 ~ 18:00

Symposium: Regional Development in Arctic Region



a Arctic regions, located above 40 degrees north, are known for their beautiful scenery and natural resources. People enjoy affluent lifestyles. However, community maintenance in these areas is costly and energy-intensive due to harsh natural conditions. Local governments face declining populations. At this symposium, experts will highlight the present situation of regional development in northern areas with considerations including wooden architecture, energy resources and community development.

b Enyu-gakusha c English-Japanese simultaneous interpretation
d Required (on the website by Oct. 15) e Laboratory of Building Environment, Laboratory of Architectural History and Design, Faculty of Engineering f Aalto University
g Faculty of Engineering (Contact: T. MORI) E-mail: mori.taro@eng.hokudai.ac.jp
h <http://sustain.oia.hokudai.ac.jp/sw/2015/arctic/>

05

Monday, Oct. 19 - Monday, Nov. 2
Weekdays, 9:00~22:00; Saturday & Sunday, 9:00~19:00

Exhibition Open Access and HUSCAP

a The Hokkaido University Collection of Scholarly and Academic Papers (HUSCAP) is a permanent repository for HU scholarly and academic papers. To promote extensive sharing worldwide, the resource is made freely available online. This exhibition will highlight global trends and researcher views regarding the Open Access campaign intended to provide unrestricted access to scholarly literature. The Open Science campaign supporting the sharing of research data will be also introduced.

b Main Entrance Hall, Hokkaido University Library c Japanese (No interpretation)
d Not required e Hokkaido University Library
g Hokkaido University Library E-mail: huscap@lib.hokudai.ac.jp
h <http://eprints.lib.hokudai.ac.jp>



Tuesday, Oct. 27 13:00 ~ 16:30

Diversification of Research Human Resource, and Desirable Researcher Support

a This symposium will bring together researchers from universities and public as well as private research institutions across Hokkaido to discuss effective, sustainable support measures for female researchers. While providing opportunities for attendees to reaffirm their common views and differences.

b Conference Hall c Japanese (No interpretation) d Not required
e Support Office for Female Researchers
g Support Office for Female Researchers
TEL: +81-(0)11-706-3625 E-mail: freshu@synfoster.hokudai.ac.jp
h <http://sustain.oia.hokudai.ac.jp/sw/2015/human/>

07

Thursday, Oct. 29 13:00 ~ 18:00 ; Friday, Oct. 30 9:00 ~ 13:00

Japanese Society for Ceramides, 8th Meeting in Sapporo

Payment
needed partly

a Ceramides are often discussed as ingredients in functional food and cosmetics among other applications, and are recognized for their positive health benefits. This meeting will feature speeches and poster presentations by researchers as a way of providing information to help advance related research. It is also intended to support the development of the Sapporo Health Innovation (Smart-H) project, which promotes food-centered utilization of health/medical care technology and information.

b Conference Hall c English & Japanese (No interpretation)
d Required (details on the website) e Japanese Society for Ceramides
f Sapporo Health Innovation "Smart-H"
g Japanese Society for Ceramides E-mail: info@ceramide.gr.jp
h <http://www.ceramide.gr.jp/>

08

Tuesday/public holiday, Nov. 3 13:00 ~ 16:00

Measuring and Modeling of Tropical Peat Carbon to Mitigate Global Warming

a In Southeast Asian tropical peat forests, peat decomposition caused by deforestation. Farmland development has increased the risk of fires and CO₂ emissions. Researchers monitoring forests for conservation will outline the present and future situation based on recent research results to high school students and citizens.



b Conference Hall c Japanese (No interpretation) d Not required
e Research Faculty of Agriculture f ERTDF (2-1504), Wetland Seminar
g Research Faculty of Agriculture
E-mail: hirano@env.agr.hokudai.ac.jp (Contact: T. Hirano),
okimoto@env.agr.hokudai.ac.jp (Contact: Y. Okimoto)
h <http://sustain.oia.hokudai.ac.jp/sw/2015/carbon/>



This Year's Theme

Has the university been a driving force to make sustainable society?
We reaffirm our responsibility.



Learning for the Future

Sharing common awareness of issues and wisdom while nurturing hearts, energy, and friendships to pave the way to a new future.



Harmony with Nature

Pursuing Balance with earth's natural systems so all living creatures & humans can coexist in harmony.



Quality of Life

Challenging to create a community whose members enjoy physical, mental and social well-being as well as a high quality of life.

09 **Tuesday/public holiday, Nov. 3** 13:00 ~ 16:00

Welcome to the World of Health Science

a Based on a fundamental theme titled "Welcome to the World of Health Science", three HU lecturers will each make a presentation from their fields of specialization to members of the general public at this event. These will be: (1) Living in the comfort of your own home until the end of your life; (2) Neutrophil extracellular traps – a powerful weapon against pathogens; and (3) A wheelchair design for a super-aging society.

- b Multi-purpose room, E bldg., Faculty of Health Sciences
- c Japanese (No interpretation) d Required (Phone call or e-mail by Oct.16)
- e Faculty of Health Science
- g General Affairs Section, Faculty of Health Science
- TEL: +81-(0)11-706-3315 E-mail: shomu@hs.hokudai.ac.jp
- h <http://sustain.oia.hokudai.ac.jp/sw/2015/health/>

10 **Friday, Nov.6** 13:30 ~ 17:30

Don't Make the Lid to Smell Things?? Culture and Technology on Excreta: from Africa and Asia of the Case

a The excreta and waste people produce can be either pollutants or useful resources depending on how they are handled. However, little attention is paid to them in daily life. Due to the localization of human populations and lifestyle changes, we cannot continue to ignore such problems. This event will present case studies from Asia and Africa and help members of the general public consider how to face such problems.

- b Large Lecture Hall, Research Faculty of Agriculture c Japanese (No interpretation)
- d Not required e Faculty of Engineering f Research Institute for Humanity and Nature
- g Faculty of Engineering
- E-mail: funamizu@eng.hokudai.ac.jp (Contact: N. Funamizu)
- h <http://sustain.oia.hokudai.ac.jp/sw/2015/lid/>

11 **Friday, Nov. 6** 18:10 ~ 20:10

SD on Campus: Invitation to Study Abroad Program



a International students from HU overseas partner institutions who are on the Hokkaido University Short-term Exchange Program (HUSTEP) will outline sustainable development (SD) education provided at their home institutions, and will highlight ways in which students there contribute to SD in classrooms and elsewhere.

- b Office of International Affairs (Details informed on the website)
- c English d Required (on website by Nov. 6)
- e Division of International Academic Programs, Office of International Affairs
- g Division of International Academic Programs, Office of International Affairs
- TEL: +81-(0)11-706-8053 E-mail: jryugaku@oia.hokudai.ac.jp (Contact: K. Kono)
- h <http://sustain.oia.hokudai.ac.jp/sw/2015/sd/>

12 **Saturday, Nov. 7** 9:30 ~ 13:00

The Oral Health and Dental Medicine #1: The Introduction of Oral Health and Dental Treatments



a Food plays a major role in determining people's quality of life. At this event, lecturers renowned for their presentation skills will discuss oral health, problem-handling methods and treatments in simple terms with high school students and members of the general public in order to help promote the joys of eating.



- b Conference Hall, Grad School of Dental Medicine c Japanese (No interpretation)
- d Required (on website by Nov. 4) e Grad School of Dental Medicine
- g Grad School of Dental Medicine (Contact: T. Arima)
- TEL: +81-(0)11-706-4275 E-mail: tar@den.hokudai.ac.jp
- h <http://sustain.oia.hokudai.ac.jp/sw/2015/dent/>

13 **Saturday, Nov. 7** 13:30 ~ 18:00

International Workshop on Research Ethics: Teaching Research Ethics

- a This workshop will help to verify the effectiveness of materials used to teach research ethics based on reports detailing its education programs provided at HU and partner institutions in Russia and Romania. It will feature discussions intended to improve teaching materials and support research and development for new teaching materials. Attendees will have opportunities to consider the realization of a sustainable society in light of the virtues of researchers.
- b Lecture room W409, Humanities and Social Sciences Classroom Building c English
- d Not required e Center for Applied Ethics and Philosophy, Grad School of Letters
- f St.Petersburg State University, Universitatea din Bucuresti
- g Center for Applied Ethics and Philosophy, Faculty of Letters
- TEL: +81-(0)11-706-3060 E-mail: erikashibata@let.hokudai.ac.jp
- h <http://sustain.oia.hokudai.ac.jp/sw/2015/ethics/>

14 **Saturday & Sunday, Nov. 7 & 8** 9:00 ~ 17:00

The Contribution of Archaeology to Local / Indigenous Communities

a This symposium will provide opportunities to discuss relationships of indigenous people and archaeology from broad perspectives here in Hokkaido, the home of Ainu people. It will involve examination of related issues in various parts of the world to support in-depth understanding of the movement behind the restoration of indigenous rights and its history. The event is being organized in collaboration with the World Archaeological Congress, held in Kyoto next year.

- b Conference Hall c English-Japanese consecutive interpretation
- d Not required e Center for Ainu & Indigenous Studies f Center for Advanced Tourism Studies
- g Center for Ainu & Indigenous Studies (Contact: H. Kato)
- TEL: +81-(0)11-706-2859 E-mail: ainu@let.hokudai.ac.jp
- h <http://www.cais.hokudai.ac.jp/english/>

15 **Sunday, Nov. 8** 20:00 ~ 22:00

GiFT Global issues Forum for Tomorrow

a An internet forum for discussion among high school and university students worldwide.

北海道大学から世界へ未来へ



Global Issues Forum for Tomorrow

<http://sustain.oia.hokudai.ac.jp/gift/>

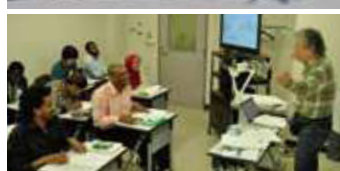
How We can Deal with Sharp Global Environmental Changes?

Be a worldwide participant in the Forum to watch researchers' presentation and share your opinions on this year's theme via YouTube Live.

Win a Place on the Hokkaido University Experience Tour 2016!

Four participants who contribute comments activating the Forum will be invited to take part in a tour covering classes and researches at HU. Details will be provided on the GiFT website.

<http://sustain.oia.hokudai.ac.jp/gift/>



Hokkaido University Experience Tour 2015

Information on a past tour is available on Facebook: <https://www.facebook.com/SW.Hokkaido.u>

- b Online forum c English d Not required e Hokkaido University
- g Secretariat of Sustainability Weeks
- TEL: +81-(0)11-706-8031 E-mail: sw1@oia.hokudai.ac.jp
- h <http://sustain.oia.hokudai.ac.jp/gift/index.html>



Tuesday, Nov. 10 - Thursday, Nov. 12

Hokkaido University – Finnish Universities Joint Symposium: University Rolls of Contribution for Arctic Region Sustainability

Tuesday, Nov. 10 14:00 ~ 17:45

Opening Session

- ㉓ Studies on Arctic regions are attracting global attention. What issues affect these regions, and how do HU and Finnish universities tackle them? This symposium will provide opportunities for attendees to share the latest information on these questions through reports, and will include discussions on the future of education and research.
- ㉔ Centennial Hall ㉕ English-Japanese simultaneous interpretation

Wednesday, Nov. 11 19:00 ~ 19:00 (tentative)

Expert Workshops

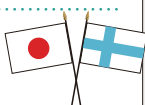
- ㉓ Keywords for the workshops
 - Marine environment and marine affairs
 - Population
 - Innovation for sustainable development
- ㉔ Seminar room, Creative Research Institution ㉕ English

Thursday, Nov. 12 afternoon (tentative)

Closing Session

- ㉓ This session will provide opportunities for attendees to review the content of discussions held in the workshops and discuss the ideal nature of future collaboration.
- ㉔ Centennial Hall ㉕ English

Common in all ㉓ Not required ㉔ HU ㉕ University of Lapland, University of Oulu
 ㉖ Division of International Exchange Office of International Affairs
 TEL: +81-(0)11-706-8029 E-mail: gi-core@oia.hokudai.ac.jp
 ㉗ <http://sustain.oia.hokudai.ac.jp/sw/jp/2015/finland/>



Tuesday, Nov. 10 13:00 ~ 16:00

Public Symposium on Advanced Co-generation System: for the Promotion of Co-generation Network System

- ㉓ Cogeneration systems are yet to gain a footing in Japan despite their effective use of electricity and waste heat. At this event, HU researchers studying cutting-edge energy conversion technology will share latest information with members of the general public and high school students on a cooperative cogeneration network system that provides convenience and various benefits to energy companies and to local residents.

- ㉔ Suzuki Akira Hall, Frontier Research in Applied Sciences Building
- ㉕ Japanese (No interpretation) ㉖ Not required
- ㉗ Laboratory of Energy Conversion System, Faculty of Engineering
- ㉘ Faculty of Engineering TEL: +81-(0)11-706-6785 E-mail: hieda@eng.hokudai.ac.jp
- ㉙ <http://sustain.oia.hokudai.ac.jp/sw/2015/co-gene/>



Monday, Nov. 16 14:00 ~ 16:30

International Symposium: WHO Collaborating Centre:Prevention of Chemical Hazards



- ㉓ How does chemical contamination in the environment affect health? What issues are experienced outside Japan in this regard? What kind of support is needed? CEHS works to prevent health hazards from environmental chemicals. It was designated as a WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards this year. The event will provide opportunities to consider future issues and related responsibilities toward the creation of a safe, sustainable society.

- ㉔ Centennial Hall ㉕ English-Japanese simultaneous interpretation
- ㉖ Required (on website by Nov.16) ㉗ Center for Environmental and Health Sciences (CEHS)
- ㉘ Faculty of Health Sciences, Graduate School of Medicine
- ㉙ CEHS (Contact: A. Araki)
TEL: +81-(0)11-706-4748 E-mail: AAraki@cehs.hokudai.ac.jp
- ㉚ <http://sustain.oia.hokudai.ac.jp/sw/2015/who-sympo>



Saturday, Nov. 21 13:00 ~ 16:00

Tourism and the Regional Development: Future of Inbound Tourism in Hokkaido

- ㉓ The Hokkaido tourism industry has been busy dealing with rapidly increasing foreign visitors. It faces the long-term challenges of how to leverage the region's rich tourist resources. This event will feature 2 speakers and their discussions will cover how to enhance regional appeal and promote local development. They will speak based on their experience of tourist policy implementation in Switzerland and their contribution to tourism in Hokkaido in a foreign entrepreneurship role.

- ㉔ Lecture room W103, Humanities and Social Sciences Classroom Building
- ㉕ Japanese (No interpretation) ㉖ Not required
- ㉗ Center for Regional Economic and Business Networks (REBN) ㉘ Center for Advanced Tourism Studies
- ㉙ REBN (Contact: K. Tsukada) TEL: +81-(0)11-706-4066 E-mail: sacade@econ.hokudai.ac.jp
- ㉚ <http://rebn.econ.hokudai.ac.jp/en/>



Saturday, Nov. 21-Monday/public holiday, Nov. 23

Details informed on the website

CLARK THEATER 2015: Lead

Payment
needed partly

- ㉓ The Clark Theater will show outstanding films that will impact future generations based on the theme of leading. This pop-up theater is operated to provide opportunities for students and members of the general public to learn and experience things together through the appreciation of films, which is in turn expected to support the creation of a sustainable society.

- ㉔ Clark Memorial Student Center ㉕ Japanese (No interpretation)
- ㉖ Not required ㉗ Hokkaido University Theater Project
- ㉘ Hokkaido University Theater Project
E-mail: info@clarktheater.jp
- ㉙ <http://www.clarktheater.jp/>



Student
Organized

クラーク博士
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Sunday, Nov. 22 13:30 ~ 16:30

Imaging Municipal Introduction of Civil Partnership Act

- ㉓ Experts and lawyers at this public forum will discuss, along with members of the general public and high school students, the significance and challenges of introducing a civil partnership system in local governments in consideration of human rights, economic effects, politics and other matters. The event will provide opportunities for attendees to consider the creation of a sustainable society unfettered by gender and sexuality, and to contemplate the future of regional collaboration with a global perspective.

- ㉔ Conference Hall ㉕ Japanese (No interpretation) ㉖ Not required
- ㉗ Center for Applied Ethics and Philosophy, Graduate School of Letters ㉘ Public Policy School
- ㉙ Center for Applied Ethics and Philosophy
TEL: +81-(0)11-706-4088 E-mail: caep@let.hokudai.ac.jp
- ㉚ <http://ethics.let.hokudai.ac.jp/en/>



Tuesday, Dec. 1 9:00 ~ 18:00 ; **Monday, Nov. 30** 13:00 ~ 18:00 ; **Wednesday, Dec. 2** 9:00 ~ 12:00

ILTS International Symposium on Low Temperature Science

- ㉓ This event will feature discussions by researchers and undergraduate/graduate students on recent outcomes of basic and applied research regarding various phenomena observed in the cryosphere and at low temperatures as well as related future outlooks. The research areas involved are: (1) Water and the material cycle; (2) New frontier science relating to snow and ice; (3) Environmental biology; and (4) Natural science in the Pan-Okhotsk region

- ㉔ Auditorium, 3rd Floor, Institute of Low Temperature Science ㉕ English
- ㉖ Required (e-mail by Sep.18) ㉗ Institute of Low Temperature Science (ILTS)
- ㉘ ILTS (Contact: G. Sazaki)
TEL: +81-(0)11-706-6880 E-mail: sazaki@lowtem.hokudai.ac.jp
- ㉙ <http://www.lowtem.hokudai.ac.jp/en/symposium.html>



Thursday, Dec. 3 13:30 ~ 18:05

International Symposium on the Creation of Sustainable Campuses 2015



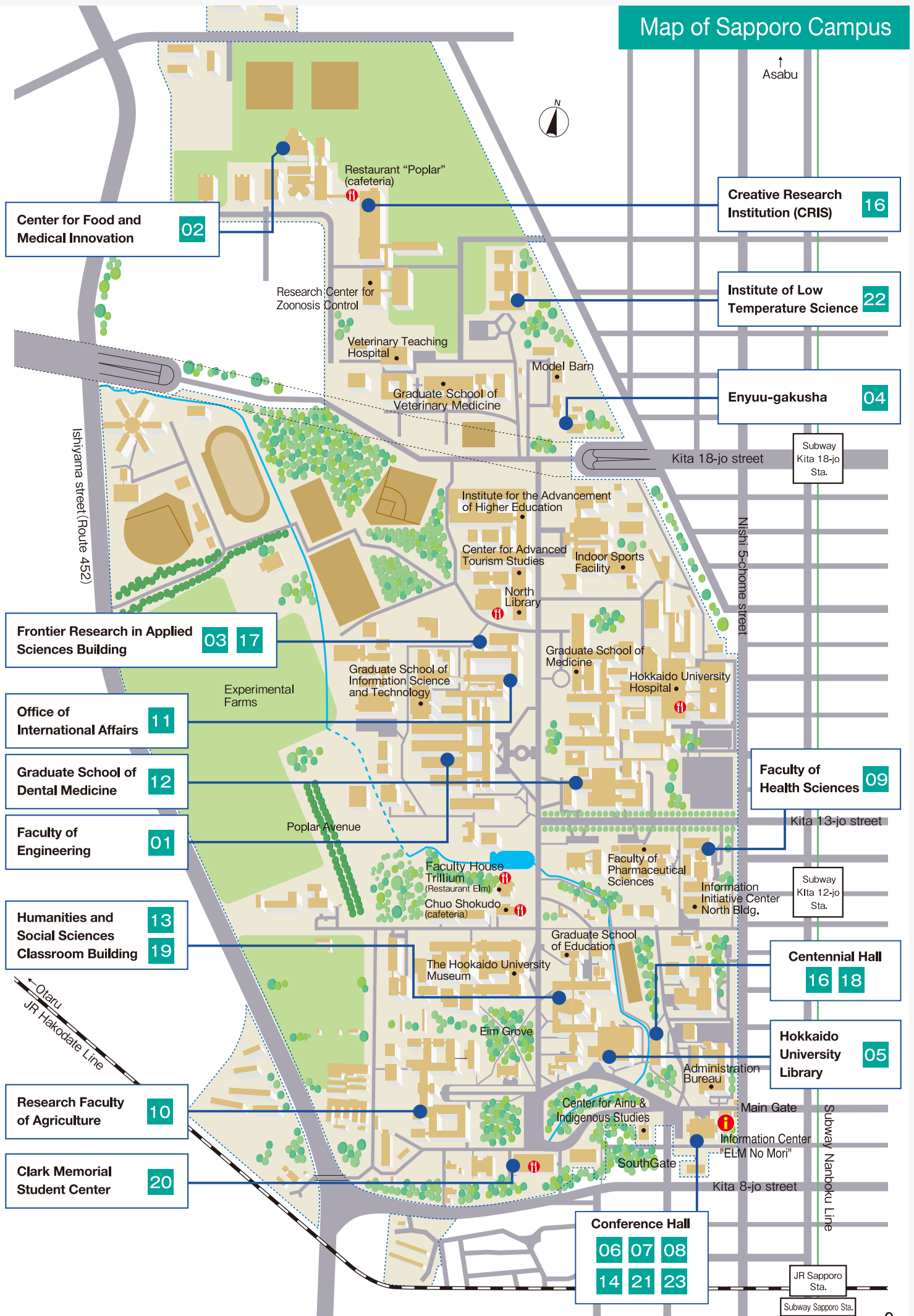
- ㉓ In today's world, university campuses are increasingly taking on the role of forums for social learning. HU and other universities offering educational programs in sustainability science to help to resolve issues in the real world are combining knowledge from a variety of specialized fields with student ideas and social needs as part of their efforts toward greater openness to society.

What are the key triggers in such evolution? What are the secrets to mobilizing large organizations in this way? At this event, guests from the Massachusetts Institute of Technology (US), The University of British Columbia (Canada) and Nagoya University will speak about: (1) Team-building methods; (2) Roles of a sustainability office; and (3) Two-way strategies involving top-down and bottom-up commitment. A panel discussion will include a look back on initiatives taken by HU since the 2008 Sapporo Sustainability Declaration (SSD) and consideration, along with members of the general public, of how universities can help to drive the development of a sustainable society.

































- ㉔ Conference Hall ㉕ English-Japanese simultaneous interpretation
- ㉖ Required (on the website, for the symposium by Dec. 2, and reception by Nov. 26)
- ㉗ Office for a Sustainable Campus
- ㉘ Office for a Sustainable Campus
TEL: +81-(0)11-706-3660 E-mail: osc@osc.hokudai.ac.jp
- ㉙ <http://sustain.oia.hokudai.ac.jp/sw/2015/sc-sympo/>

Map of Sapporo Campus



Event Schedule

● Main Target

DATE		Title	Co-host / Support	Event period	Aca- demics	General Public	College Students	High School Students
1	Every Fridays from Aug. 21 to Sep. 25	 Mysterious Materials: Its Science and Applications Organizer : Faculty of Engineering	Citizen's College of Hokkaido & Ishikari Citizen's College		●	●	●	●
2	Sunday, Oct. 11	 TEDxHokkaidoU 2015: Allure of Adventure Organizer : TEDxHokkaidoU Committee				●	●	●
3	Tuesday, Oct. 13 - Thursday, Oct. 15	 1st International Symposium of Institute for Catalysis Organizer : Institute for Catalysis	Hokkaido Branch of the Chemical Society of Japan, Frontier Chemistry Center	 3 Oct.13	●		●	
4	Thursday, Oct. 15	 Symposium: Regional Development in Arctic Region Organizer : Laboratory of Building Environment, Laboratory of Architectural History and Design, Faculty of Engineering	Aalto University Hokkaido Branch of AIJ, Hokkaido Branch of SHASE, Hokkaido Finland Society	Oct.15	●	●	●	
5	Monday, Oct. 19 - Monday, Nov. 2	 Open Access and HUSCAP Organizer : Hokkaido University Library		 5 Oct.19		●	●	●
6	Tuesday, Oct. 27	 Diversification of Research Human Resource, and Desirable Researcher Support Organizer : Support Office for Female Researchers			●	●	●	
7	Thursday, Oct. 29, Friday, Oct. 30	 Japanese Society for Ceramides, 8th meeting in Sapporo Organizer : Japanese Society for Ceramides	Sapporo Health Innovation"Smart-H"		●	●	●	
8	Tuesday/public holiday, Nov. 3	 Measuring and Modeling of Tropical Peat Carbon to Mitigate Global Warming Organizer : Research Faculty of Agriculture, Hokkaido University	ERTDF(2-1504), Wetland Seminar JapanFlux, Japan Peatland Society	Nov.2		●	●	●
9	Tuesday/public holiday, Nov. 3	 Welcome to the World of Health Science Organizer : Faculty of Health Science				●	●	●
10	Friday, Nov. 6	 Don't Make the Lid to Smell Things?? Culture and Technology on Excreta :from Africa and Asia of the Case Organizer : Faculty of Engineering	Research Institute for Humanity and Nature		●	●	●	
11	Friday, Nov. 6	 SD on Campus: Invitation to Study Abroad Program Organizer : Division of International Academic Programs, Office of International Affairs					●	
12	Saturday, Nov. 7	 The Oral Health and Dental Medicine #1: The Introduction of Oral Health and Dental Treatments Organizer : Grad School of Dental Medicine			●	●	●	●
13	Saturday, Nov. 7	 International Workshop on Research Ethics: Teaching Research Ethics Organizer : Center for Applied Ethics and Philosophy, Grad School of Letters	St.Petersburg State University, Universitatea din Bucuresti		●		●	
14	Saturday, Nov. 7, Sunday, Nov. 8	 The Contribution of Archaeology to Local / Indigenous Communities Organizer : Center for Ainu & Indigenous Studies	Center for Advanced Tourism Studies The Eighth World Archaeological Congress: WAC-8		●	●	●	●
15	Sunday, Nov. 8	 GiFT - Global issues Forum for Tomorrow - Organizer : Hokkaido University					●	●
16	Tuesday, Nov. 10- Thursday, Nov. 12	 Hokkaido University - Finnish Universities Joint Symposium Organizer : Hokkaido University	University of Lapland, University of Oulu	 16 Nov.10	●	●	●	
17	Tuesday, Nov. 10	 Public Symposium on Advanced Co-generation System: for the Promotion of Co-generation Network System Organizer : Laboratory of Energy Conversion System, Faculty of Engineering			●	●	●	●
18	Monday, Nov. 16	 International Symposium: WHO Collaborating Centre:Prevention of Chemical Hazards Organizer : Center for Environmental and Health Sciences (CEHS)	Faculty of Health Sciences, Grad School of Medicine Hokkaido Government, City of Sapporo	Nov.12	●	●	●	
19	Saturday, Nov. 21	 Tourism and the Regional Development: Future of Inbound Tourism in Hokkaido Organizer : Center for Regional Economic and Business Networks (REBN)	Center for Advanced Tourism Studies		●	●	●	
20	Saturday, Nov. 21 - Monday/public holiday, Nov. 23	 CLARK THEATER 2015: Lead Organizer : Hokkaido University Theater Project		 20 Nov.21	●	●	●	●
21	Sunday, Nov. 22	 Imagining Municipal Introduction of Civil Partnership Act Organizer : Center for Applied Ethics and Philosophy, Grad School of Letters	The Advanced Institute for Law and Politics Public Policy School	Nov.23	●	●	●	●
22	Monday, Nov. 30 - Wednesday, Dec. 2	 ILTS International Symposium on Low Temperature Science Organizer : Institute of Low Temperature Science		 22 Nov.30	●		●	
23	Thursday, Dec. 3	 International Symposium on the Creation of Sustainable Campuses 2015 Organizer : Office for a Sustainable Campus		Dec.2	●	●	●	




Toward Sustainable Society Japan-Indonesia President Conference

Representatives of research universities from Indonesia and Japan gather in Sapporo, the place Sapporo Sustainability Declaration was adopted.

November, 5 & 6, 2015

Organized by Hokkaido University

Hokkaido University and three universities of Indonesia have already cooperated together and carried out "PARE educational program." The program every year puts out approximately 30 graduates into the world to solve the complex problems of Asian population increase and environmental deterioration.

Representatives of 17 Indonesian universities and 26 Japanese universities search for new possibilities through their discussion and learning from good examples of past cooperation among industry, local governments, and universities.

This is the closed conference which only invitees can participate.
<http://sustain.oia.hokudai.ac.jp/sw/jp/2015/ji>

News!

Hokkaido University

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- New Sanitation System with Resource Recovery
- Wildlife and Conservation Medicine
- Bioimaging Workshop for Lifesciences
- Patent Enforcement in the United States, Germany and Japan
- Conflicts, Interaction and Sustainability in East Asia
- Introduction to Japanese Law

More than 60 classes will be offered in English.

**Website
Opens**

November, 2015

**Application
Starts**

January, 2016

Come and get new friends, a lifetime memory, and credits.

■ Detailed information is available on our website.

<http://sustain.oia.hokudai.ac.jp/sw/>

<http://www.facebook.com/SW.Hokkaido.u/>

Access here for
web-application →



Secretariat of Sustainability Weeks 2015

Office of International Affairs, Hokkaido University

Address : North 15, West 8, Kita-ku, Sapporo, Hokkaido 060-0815, Japan

TEL: +81-(0)11-706-8031 FAX: +81-(0)11-706-8036 E-mail: sw1@oia.hokudai.ac.jp

Overview

A Look Back at Sustainability Weeks 2015 Program



Ichiro Ueda
Executive and Vice-president, Hokkaido University/
Chairperson of the Committee of Sustainability Weeks

It was the ninth year in 2015 for Hokkaido University Sustainability Weeks (SW), which was launched in 2007 to promote education and research for the creation of a sustainable society. The program consisted of 12 events over 16 days of the core period from Saturday, October 24th to Sunday, November 8th, 2015. Another 20 events were held before and after the core period. The 32 sessions featured sustainability-related information provision, discussion, learning and networking with the aim of contributing to the realization of a sustainable society. It included international symposia, events for the general public, workshops, exhibitions, competitions and a movie festival. As SW 2014 in fact spanned a period of four months in all, it may have been more appropriate to call it Sustainability Months. In 2015, even more new projects were added and the period was further extended to five months (from August to December), perhaps making Sustainability Season a better name. Over a period of almost half a year, SW provided a valuable platform for discussions on critical challenges faced by humanity in today's world.

United Nations: Adoption of the 2030 Agenda for Sustainable Development

At the World Summit on Sustainable Development (held at the United Nations from September 25th to September 27th, 2015), an initiative titled Transforming Our World: the 2030 Agenda for Sustainable Development was adopted unanimously by the 193 UN member states. The new agenda encourages members to pursue 17 Sustainable Development Goals (SDGs) over 15 years from 2016, and emphasizes the importance of individual contributions including those of universities, faculty members and students. In this context, SW2015 was held with a timely theme in response to the needs of international society.

This Year's Theme: "Reaffirm Our Responsibility for Sapporo Sustainability Declaration 2008"

The theme of SW this year was to reaffirm the content of the Sapporo Sustainability Declaration (SSD), which stated universities' determination to act as driving forces for the development of a sustainable society. The declaration was adopted by 27 world-leading universities at the G8 University Summit held in Sapporo in 2008, in which Hokkaido University played an important role. In the run-up to the May 2016 G7 Summit, which will be the first such event to be hosted by Japan in seven years, universities' roles in the realization of a sustainable society have once again been discussed at numerous events.

Development of Universities Dedicated to Education and Research in Partnership with Society

Presidents and rectors from various universities gathered at "Hokkaido University-Finnish Universities Joint Symposium" and the "Japan-Indonesia Rectors' Conference". At the former, the huge responsibility of universities for the sustainability of natural and social environments in the Arctic was reaffirmed; at the latter, this responsibility in the relevant countries was also reaffirmed. At both events, the usefulness of inter-university collaboration and industry-academic partnerships in the fulfillment of these responsibilities was recognized.

At "the International Symposium on the Creation of Sustainable Campuses 2015", focus was placed on the communities surrounding universities. Attendees recognized two points in particular: 1) all universities have the capacity to help reduce environmental loads in the community and develop new social services, utilizing their campuses as tangible assets and their education research as intangible assets, and 2) teamwork involving government, industry and academia is indispensable to these ends.

A number of events, including "The International Symposium: WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards," "Welcome to the World of Health Science" and "Imagining Municipal Introduction of the Civil Partnership Act," acted as platforms for the provision of results from research conducted with the goal of realizing a society characterized by healthy and pleasant living.

Universities' efforts to act as driving forces behind the creation of a sustainable society are founded on the concept of working with society on education and research as proposed by Hokkaido University President Keizo Yamaguchi.

Student initiatives

SW2015 featured a number of new student-organized sessions at which students demonstrated their initiatives for the creation of opportunities to discuss a sustainable society. Such events included “TEDxHokkaidoU,” which served as a platform for the sharing of valuable ideas, and “Hult Prize @ Hokkaido University” – an international competition for social entrepreneurial ideas.

A total of 267 college and high school students worldwide also participated in “GiFT – Global Issues for Tomorrow” online YouTube forum hosted by international and Japanese students. Viewers were inspired by video messages from the Hokkaido University’s president and researchers and exchanged views and ideas using online chat for the resolution of global issues.

Toward the SW2016

SW2016 will mark the event’s tenth anniversary. The Sustainability Weeks Committee has defined the concept of sustainability from a broad perspective to include well-being and social inclusion, rather than viewing it only in the context of natural and social environments and economic development. It is clear that Hokkaido University’s original vision pre-empted today’s world trends as highlighted by the United Nations’ Sustainable Development Goals.

Hokkaido University remains committed to its role as a driving force for change with the goal of contributing to the resolution of global issues as outlined in the Future Strategy for the 150th Anniversary of Hokkaido University.

The core period of the next Sustainability Weeks events will be held from Saturday, October 22nd, 2016 to Sunday November 6th, 2016. Hokkaido University is dedicated to education and research in keeping with developments and events in the international community, including the Ise-Shima Summit to be held in May 2016 and local trends. We appreciate the continued collaboration and participation of everybody involved.

2. Websites of the Events and Activities



Mysterious Materials: Its Science and Applications

Overview

Date	Friday, August 21, 2015 - Friday, September 25, 2015 (Finished)
Organizer	Faculty of Engineering, Hokkaido University
Co-host	Citizen's College of Hokkaido & Ishikari Citizen's College
Venue	Lecture hall B11, Faculty of Engineering
Language: Japanese	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>Some materials in the natural world have mysterious properties. A diversity is provided by micro-materials, which are smaller than milli-materials, and by even smaller meso- and nano-materials.</p> <p>School of Engineering researchers at the cutting edge of studies on how such properties can be applied to everyday life will describe these materials using colorful illustrations and video footage.</p>
A Person in Charge	Seiji Okabayashi (Academic Affairs Office, Faculty of Engineering)
Registration	Required via website (~Aug. 19)
Fees	JPY1,500 per lecture / JPY3,500 per 6 lectures
Contact	<p>Academic Affairs Office, Faculty of Engineering, Hokkaido University</p> <p>TEL: 81-11-706-6707</p> <p>E-mail: k-gaksei@eng.hokudai.ac.jp</p>
URL	http://www.eng.hokudai.ac.jp/graduate/top/news/?topic=15042201

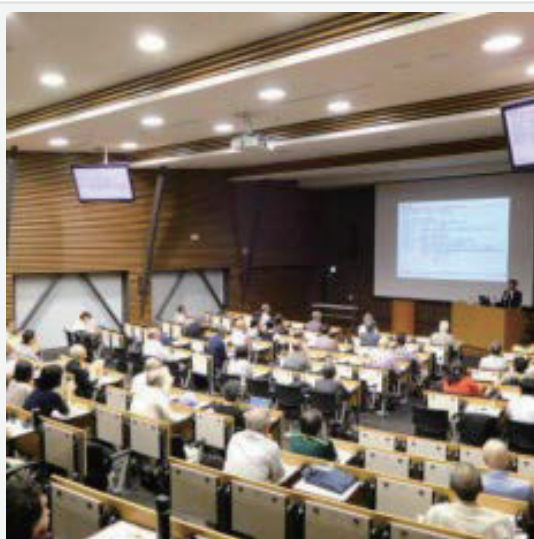
Report

Under the title of *Mysterious Materials: Its Science and Applications*, we held six lectures for citizens, high school and university students, and experts from 6:15 p.m. to 7:45 p.m. on Fridays from August 21 to September 25, 2015.

These lectures were part of two outreach programs that the Faculty of Engineering organizes every year. A program titled “*Special Lectures on Solid Waste Recycling and Disposal*” was offered from April to July. From August to September, The “*Mysterious Materials*” program, hosted primarily by the Department of Applied Science and Engineering, was attended by 60 citizens as well as numerous students – also from other universities and working people. They listened attentively to the lectures and then engaged in lively question-and-answer exchanges.

Some materials in the natural world have mysterious properties. The diversity found in the meso-world, which is smaller than the milli-world, as well as in the even smaller nano-world, creates various types of engineering value. Such diversity leads to the development of various materials. Glasses that keep water out as if by magic and electrically conductive organic substances are the examples. At the lecture sessions, six Hokkaido University researchers who are engaged in the application of such properties to everyday life described simply their cutting-edge studies with colorful illustrations, images and video footage. Lectures were under titles including “*Learning from Organisms to Develop a New Type of Glass*” and “*Microbial Plastic Factory*.”

The Faculty of Engineering hopes to help build a sustainable society by leveraging mysterious natural materials and developing new uses for them by exchanging ideas with citizens.



A Lecture by Prof. Kiyoharu Tadanaga



A Lecture by Associate Prof. Munekazu Ohno

Symposium: Sustainable Land Management and Biodiversity in Borneo



Overview

Date	Monday, September 28, 2015 (Finished)
Organizer	Center for Sustainability Science (CENSUS), Hokkaido University
Co-host	Research Faculty of Agriculture, Graduate school of Environmental Science
Venue	Large Lecture Hall, 4-th floor, Research Faculty of Agriculture
Language: English	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>Borneo is known as one of the world's biodiversity hotspots. University Malaysia Sabah (UMS), located in Borneo and Hokkaido University are international partner universities. The Institute for Tropical Biology and Conservation (ITBC) of UMS is a base research institute of biology in Borneo.</p> <p>We will invite Prof. Charles S Vairappan, Director of ITBC, who got doctor degree at Hokkaido University, to give a lecture on traditional knowledge on biodiversity in Borneo. We will also invite the following lectures in this symposium – activities on biodiversity by State of Sabah from Department of Agriculture, a grassroots activity on biodiversity conservation in Sabah from Rakunou Gakuen University, activity on education for sustainability from JICA-SDBEC, and also from Hokkaido University that is supporting JICA's effort.</p>

* Poster *

(You can see the details, if you click the picture below.)

Hokkaido University Sustainability Weeks 2015

Sustainable Land Management and Biodiversity in Borneo
ボルネオの持続可能な土地管理と生物多様性

Date: 13:30-16:30, 28th, September, 2015
Venue: The Lecture Hall (4-th floor), Faculty of Agriculture, Hokkaido University
Language: English (no interpreter)
Registration: no fee and no registration

1. Traditional Knowledge for Sustainable Resource Utilization and Biodiversity Conservation in Borneo
Charles S. Yaittapan (Director, Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Sabah, Malaysia)
2. Sustainable Livelihood in the Heart of Borneo (Heli)
Elizabeth Malingkig (Department of Agriculture Kota Kinabalu, Sabah, Malaysia)
3. Community-based Rural Development Project for Biodiversity Conservation around the Lower Kinabatangan River
Masami Katoka (Professor, Rakuno Gakuen University)
4. Education for Sustainable Development on Biodiversity and Ecosystem Conservation
Akemi Yoda (Sustainable Development for Biodiversity and Ecosystem Conservation (SDBEEL) Project, JICA, Sabah, Malaysia)
5. Idea of Sustainable Land Management
Mitsuru Oshio (Special Appointed Professor, Research Faculty of Agriculture, Hokkaido University)

Mt. Kinabalu in Borneo

Host : Center for Sustainability Science, Hokkaido University
JICA-SDBEEL
Cohost : Research Faculty of Agriculture and
Graduate School of Environmental science, Hokkaido University
Contact: Nobuyuki Tsuji (n-tsuji@census.hokudai.ac.jp)

A Person in Charge	Nobuyuki Tsuji, CENSUS, Hokkaido University
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Registration	Not-required
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Fees	Free
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Contact	Nobuyuki Tsuji Center for Sustainability Science Tel: +81-(0)11-706-3569 E-mail: n-tsuji@census.hokudai.ac.jp
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URL	http://www.census.hokudai.ac.jp/
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Report

The University Malaysia Sabah (UMS) is one of HU's partner universities. The island of Borneo, where UMS is located, is globally known as a biodiversity hotspot, and the UMS Institute for Tropical Biology and Conservation (ITBC) forms the island's hub for research on biodiversity conservation.

The symposium began with a speech by ITBC Director Charles S. Vairappan. Elizabeth Malangig from the Department of Agriculture Kota Kinabalu in Sabah then spoke about the Heart of Borneo (HoB), a key phrase describing the island. She was followed by a JICA representative and HU alumna, Akemi Yoda, who outlined JICA's biodiversity and ecosystems conservation (SDBEC) project that is implemented in Kota Kinabalu, the capital of Sabah. Masami Kaneko, Professor of Rakuno Gakuen University, spoke about a grassroots project that is underway in Sabah. Last but not the least, Mitsuru Osaki, a special appointed professor of HU's Research Faculty of Agriculture, summed up the session while discussing reasons for paying attention to Borneo with the other attendees.

This symposium was made possible by the deep networks that have been built by the Center for Sustainability Science (the host of the event), JICA, SDBEC, the Research Faculty of Agriculture (a co-host of the event), the Graduate School of Environmental Science (the other co-host), and University Malaysia Sabah. Dr. Vairappan is an HU degree holder, and the Vice Chancellor, Eco Campus Management Centre Director and other representatives of UMS visited HU in 2014. The symposium, where all the speeches were delivered in English, attracted approximately 30 attendees, including 10 from outside HU.



A Lecture by Ms. Elizabeth Malangig



Audience Listening to Lectures

TEDxHokkaidoU 2015



Overview

Date Sunday, October 11, 2015 (Finished)

Organizer TEDxHokkaidoU

Venue Center for Food & Medical Innovation, Hokkaido University

Intended Audience: General public

Outline A theme titled “Allure of Adventure” will be explored at TEDxHokkaidoU (an event modeled on the popular US presentation forum TED).



The session will help to highlight valuable but as-yet untapped ideas at HU. HU students will plan and run the event to help create a sustainable society based on the accumulated wisdom of experts.

* TEDxHokkaidoU website: <http://www.tedxhokkaidou.com/>

* TEDxHokkaidoU Facebook: <https://goo.gl/5dHMBC>

A Person in Charge Makoto Shigei (Junior, Faculty of Engineering)

Registration Required via e-mail

Fees JPY 3,000

Contact TEDxHokkaidoU
E-mail: info@tedxhokkaidou.com

URL <http://www.tedxhokkaidou.com/>

Report

HU students planned and organized TEDxHokkaidoU under the theme of *Allure of Adventure*. A junior at the Faculty of Engineering, Makoto Shigei, and other student staff members created the opportunity and found the venue to share ideas to contribute to a sustainable society. Based on the accumulated wisdom of experts and researchers, students spread valuable ideas from Hokkaido University both regionally and globally.

Speakers of TEDxHokkaidoU2015

- **[Robert Thomson](#)** (Second term in Behavioral System Science Seminar, Department of Behavioral Science, Literal Laboratory of Hokkaido University / The Holder of Guinness Record of Traveling Alone by Skateboards)
- **[Elizabeth Tasker](#)** (Assistant Professor in the Departments of Physics and Cosmoscience at Hokkaido University)
- **[Mitsuki Matsuda](#)** (Founder of Sapporo Parkour Krew / Chairman of Japan Parkour Association/ A graduate of Department of Science, Hokkaido University)
- **[Hiroyuki Matsushiro](#)** (Chairman of Japan Sports Yukikaki Association/ A graduate of Hokkaido University with a degree in engineering)
- **[Marina Kubo](#)** (Senior of Faculty of Law, Hokkaido University/ One of the 1st students to use Tobitate! Ryugaku Japan to study abroad)
- **[Tomohisa Yamada](#)** (International Student Center Associate Professor, Hokkaido University / One of “Hokkaido University Excellent Teachers 2014” holder)
- **[Akira Suzuki](#)** (Researcher of Organic Synthesis Reaction / Hokkaido University Honorary Professor / Holds Nobel Prize in Chemistry of 2010)

In addition to approximately 18-minute presentations given by each speaker, the event provided attendees the opportunity to network with speakers during intermissions and at the reception party. Attendees particularly enjoyed interactions with others through various activities, etc., during the intermissions as at TED Talks events.

The videos of presentations are available on YouTube (<https://goo.gl/rN7Nhy>). TEDxHokkaidoU hopes to continue making a positive impact on students and society at large by spreading ideas that stimulates intellectual curiosity from HU.



A Lecture given by Mr. Robert Thomson



Networking Event organized by
Students



Group Photo of Participants



1st International Symposium of Institute for Catalysis

Overview

Date	Tuesday, October 13, 2015 - Thursday, October 15, 2015 (Finished)
Organizer	Institute for Catalysis, Hokkaido University
Co-host	Hokkaido Branch of the Chemical Society of Japan, Frontier Chemistry Center
Venue	Frontier Research in Applied Sciences Building
Language: English	
Intended Audience: Researchers, College Students,	
Outline	The Hokkaido University Catalysis Research Center will be reorganized and renamed the Institute for Catalysis in October 2015 to promote joint usage and collaboration with researchers in other fields. Plenary lectures, a ceremony and a celebration to mark this reorganization are scheduled to take place on October 13. On October 14 and 15, an international symposium will be held with attendees including renowned domestic and international researchers in the field of catalysts. The symposium will cover the topics toward a sustainable society and promote international collaboration.

北海道大学触媒科学研究所
〔旧 触媒化学研究センター〕
改組記念国際シンポジウム

**First International Symposium of
 Institute for Catalysis —
 Global Collaboration in Catalysis Science
 toward Sustainable Society**

■ Plenary Speakers

Hans-Joachim Freund
 (Fritz Haber Institute)

Keiji Morokuma
 (Kyoto Univ.)

Kazunari Domen
 (Univ. of Tokyo)

October 13-15, 2015
 AKIRA SUZUKI HALL,
 Frontier Research in Applied Sciences Building,
 Hokkaido University

■ Poster session on October 14
 (Abstract Submission Deadline : September 25)

<http://www.cat.hokudai.ac.jp/symposium/symposium2015-10-13.html>

主催：北海道大学 触媒科学研究所 (ICAT) 協賛：日本化学会北海道支部、北海道大学フロンティア化学教育研究センター
 連絡先：新井 清彦 (北海道大学触媒科学研究所 (旧触媒化学研究センター)) e-mail: asaka@cat.hokudai.ac.jp TEL: 011-706-9145

A Person in Charge Kiyotaka ASAKURA (Catalysis Research Center)

Registration Required via e-mail

Contact Catalysis Research Center

Akira Nakayama (Mr.)

TEL: + 81-11-706-9145

E-mail: nakayama@cat.hokudai.ac.jp

URL <http://www.cat.hokudai.ac.jp/symposium/symposium2015-10-13.html>

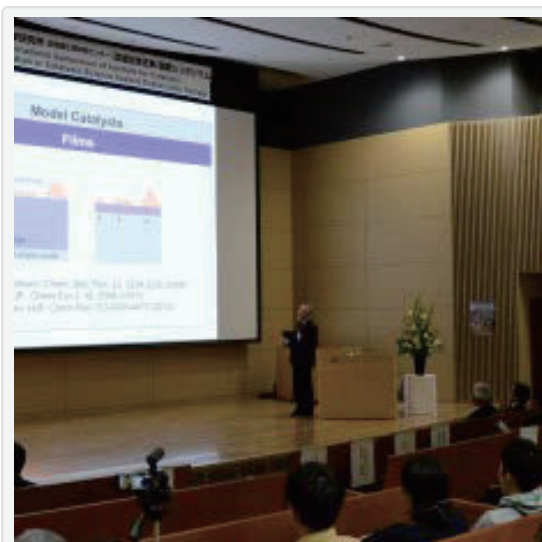
Report

In October 2015, the Catalysis Research Center of Hokkaido University was reorganized and renamed the Institute for Catalysis to promote joint usage and international collaboration with researchers in other fields. To mark this reorganization, “the First International Symposium of the Institute for Catalysis – Global Collaboration in Catalysis Science toward a Sustainable Society” was held with world-leading researchers.

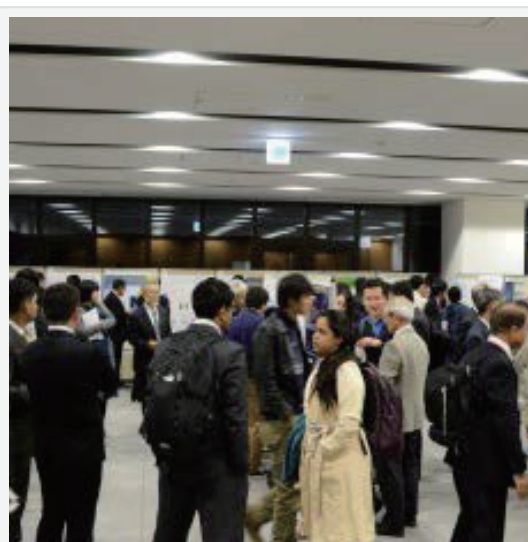
On October 13, the first day of the symposium, Professor Hans-Joachim Freund from Fritz Haber Institute of the Max Planck Society in Germany, Professor Keiji Morokuma of Kyoto University, and Professor Kazunari Domen of the University of Tokyo delivered plenary lectures. On October 14 and 15, researchers from outside Japan (three from the U.S. and four from China) and ten scientists from across Japan gave invited-speaker presentations. Also, ten researchers from the Institute for Catalysis gave lectures to the audience.

The poster session held on October 14 featured 41 presentations that generated lively exchanges of opinions regarding the development of innovative catalysts for the creation of a sustainable society. The exchanges are expected to develop into new initiatives for international collaborative research.

The symposium was held as part of two courses offered on HU's Graduate School of Chemical Sciences and Engineering: “Research in Chemical Sciences and Engineering II” and “Topical Lectures in Chemical Sciences and Engineering.” The event, during which lectures were given in English, helped to develop the global perspectives of graduate students and provided an opportunity for them to learn about cutting-edge research on catalysts that are significant both academically and industrially.



A Lecture given by Prof. Hans-Joachim Freund



Audience at the Poster Session



Symposium: Regional Development in Arctic Region

Overview

Date	Thursday, October 15, 2015 (Finished)
Organizer	Laboratory of Building Environment, Laboratory of Architectural History and Design, Faculty of Engineering
Co-host	Aalto University
Partners	Hokkaido Branch of AIJ, Hokkaido Branch of SHASE, Hokkaido Finland Society
Venue	Enyu-gakusya, Hokkaido University
Language: English(English-Japanese simultaneous interpretation) , Japanese	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>Regions located above 40 degrees north are known for their beautiful scenery and natural resources, and people there enjoy affluent lifestyles. However, community maintenance in these areas is costly and energy-intensive due to harsh natural conditions, and local governments face declining populations.</p> <p>At this symposium, experts will highlight the present situation of regional development in northern areas with considerations including wooden architecture, energy resources and community development.</p> <p>Discussions will also cover ideal future scenarios with the involvement of students and members of the general public.</p>
A Person in Charge	Taro MORI (Laboratory of Building Environment, Faculty of Engineering)
Registration	Required (online application) (by Oct.10)
Fees	Free
Contact	<p>Laboratory of Building Environment, Faculty of Engineering</p> <p>Taro MORI (Mr.)</p> <p>E-mail: mori.taro@eng.hokudai.ac.jp</p>

This symposium featured four researchers from Aalto University which is one of HU partner universities in Finland and the VTT Technical Research Centre of Finland. Also, professor Riichi Miyake of Fuji Women's University shared information in his keynote speech on community development, energy resources and wooden construction in the Arctic region.

This event originated in HU's exchange program with Aalto University in March 2014. Since then, HU has continued information exchange with the University of Lapland by holding a workshop in November and also with Kouvola Innovation Ltd. (KINNO), located in Finland's Kouvola City, by organizing a seminar on sustainable regional development in June, 2015. These three events were all held in Finland and involved discussions on issues facing both Finland and Hokkaido. Cultural differences that might influence solutions to the issues were also an important topic. HU representatives attending those events considered it necessary to further develop the discussions based on their Finnish counterparts' understanding of the actual conditions of related matters in Hokkaido, and this led to the organization of this symposium.

Hokkaido and Finland share many similarities. Besides sharing similar populations and cold climates, they both have aging and shrinking populations as well as other social issues. Since they are exploring ways of resolving these issues, they can share information on related research projects. Hokkaido and Finland also both have abundant forest resources. However, since Finland is a little ahead of Hokkaido in the efficient use of these resources, Hokkaido can learn a lot from Finland.

Common challenges discussed at the symposium also included the development of renewable energy sources besides solar cells, because the peak in power demand does not match the peak in solar power generation, particularly due to the northern location of both Hokkaido and Finland. The attendees also acknowledged the need to develop zero-energy buildings (ZEBs) and zero-energy homes (ZEHs) through energy conservation. The symposium involved comprehensive discussions on all of these challenges. After the event, the attendees went on an inspection tour of northern Hokkaido. It was confirmed that researchers at HU would continue to exchange opinions with their counterparts at VTT and Aalto University.



A Keynote Speech given by Prof. Miyake



Audience Listening to the Lectures



Open Access and HUSCAP ((Exhibition))

Overview

Date	Monday, October 19, 2015 - Monday, November 2, 2015 (Finished)
Organizer	Hokkaido University Library
Venue	Main Entrance Hall, Hokkaido University Library
Language: Japanese	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>The Hokkaido University Collection of Scholarly and Academic Papers (HUSCAP) is a permanent repository for HU scholarly and academic papers. To promote extensive sharing worldwide, the resource is made freely available online.</p> <p>This exhibition will highlight global trends and researcher views regarding the Open Access campaign intended to provide unrestricted access to scholarly literature. The Open Science campaign supporting the sharing of research data will be also introduced.</p>
A Person in Charge	Kazushi Kishimoto (Hokkaido University Library)
Registration	Required via e-mail
Fees	Free
Contact	<p>Hokkaido University Library</p> <p>E-mail: huscap@lib.hokudai.ac.jp</p>
URL	http://eprints.lib.hokudai.ac.jp

Report

To highlight “open access,” an initiative of sharing scholarly literature worldwide toward a sustainable society, Hokkaido University library held the poster exhibition about the Hokkaido University Collection of Scholarly and Academic Papers (HUSCAP).

The event, held under the theme of *From Open Access to Open Science*, showcased the status of open access and HUSCAP initiatives as well as the significance and outlook of the open science movement. The exhibition also covered interviews with HU faculty members on scholarly papers currently available on the HUSCAP website. The faculty members mentioned the importance of openness of academic researches in the interviews.

This event provided good opportunities to extend the information and the present status of open access in which various academic papers and educational research results are made freely available on the HUSCAP website. Open science, which makes research data open to public as well as its research results, was publicized as well to expand its significance and the future view.

Hokkaido University Library plans to continue initiatives to enhance the public understanding of HUSCAP, intended to implement open access and open science at Hokkaido University.



Exhibited HUSCAP Book Cover and Bookmarks



Exhibition of "Open Access"

xhibited



Skills for International Exchange: International Communication Skills for Students

Overview

Date Tuesday, October 20, 2015 to Wednesday, October 21, 2015 **(Finished)**

Organizer Field Science Center for Northern Biosphere, Hokkaido University

Venue 217 middle lecture room, 2nd floor, Office of International Affairs

Language: English-Japanese consecutive interpretation

Intended Audience: College Students

Outline Recently, the opportunities to study abroad or attend international conferences for undergraduate/ graduate students is increasing. It is important to tell own interests and understand their interests and studies correctly.

In this workshop, we put significance on understanding communication skills in practice and use the skills.

北海道大学サステナビリティ・ウィーク
ワークショップ
国際交流のスキル
すべての学生と研究者のための
国際コミュニケーション
2015.10.20~22

近年、留学や国際会議への参加が多くなり、自身の研究内容や関心事項を相手に伝え、また相手の関心事を正確に理解することが求められています。その時のコミュニケーションスキルを、講師 RICHIE 先生の経験を参考に、実践形式で習得することを目指したワークショップです。

◎対象・学部・修士学生対象
○10/20 (火)、10/21 (水) 17:00-19:00
コミュニケーションスキル (話し方や聴き方) を学びます。

◎修士学生・研究者対象
○10/22 (木) 13:00-17:00
異文化と国際交流技術について解説します。
(ネットワーク・プロジェクト設立・チームワーク上での英語の活用やリスニング・マナー等)

◎会場 第2 第2 第2 第2 第2 第2 第2 第2 第2 第2
◎申込方法: サステナビリティ・ウィーク ウェブサイトで受付
URL: <http://sustainability.hokkaido-u.ac.jp/week/>
北大(伊)からは「国際交流・留学」→「北海道大学サステナビリティ・ウィーク」→「2015年の行事一覧」→「国際交流のスキル」
◎申込期限: 10/19~10/21
◎主催 第2 第2 第2 第2 第2 第2 第2 第2 第2 第2
◎問合せ先: 教員・荒木 第2
(内線 3645 メール arak@fas.hokkaido-u.ac.jp)

◎講師: RICHIE 先生
(北大特任教授)
イタリア出身、アメリカで学位取得、東北大学教授、国際交流基金国際部長、多数の国際プロジェクトを率いる女性研究者で、海外から見た日本の現状、文化の違い、生活の不便さなどを、このワークショップを通じて学びます。

フエツ 北海道大学サステナビリティ・ウィーク 2015

A Person in Charge	Hajime Araki, Field Science Center for Northern Biosphere
Registration	Required (online registration closed)
Fees	Free
Contact	Field Science Center for Northern Biosphere, Hokkaido University Hajime Araki (Mr.) TEL, FAX: +81-(0)11-706-3645 E-mail: araki@fsc.hokudai.ac.jp

Report

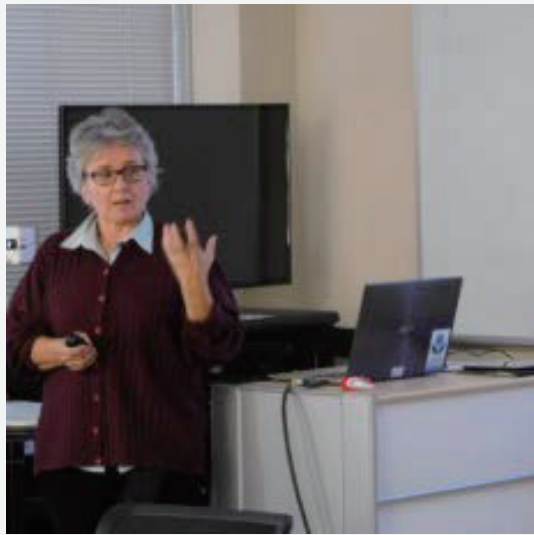
This workshop, designed for undergraduate and graduate students to improve their communication skills in international exchanges, was offered by Prof. Silvana Nicola (University of Turin, Italy), who is an invited professor of Hokkaido University in academic year 2015 and also the Vice-President of the International Society for Horticultural Science, based on her rich experience in international educational programs and collaborative research projects.

The main reasons of the students' attendance to this workshop included the acknowledgement of English as a basic foreign language, the desire to develop communication skills in English and aspirations to work overseas in the future.

Prof. Nicola began the workshop with her self-introduction, stating that she went abroad for the first time when she was 17 years old, made her first presentation at an international conference at age 28, and started learning English in earnest only after she had turned 30 years old.

She then asked four questions (1. Why do you learn a second language? 2. What kind of overseas experience is instrumental for your future career? 3. What kind of environment do you need? and 4. Do you have opportunities for various overseas experiences?). She exchanged opinions with the students. Students' Answers to her questions were like 1. English is a basic foreign language., 2. Purposeful overseas stays are necessary. (The respondent had traveled abroad, but traveling alone failed to improve his communication skills.), 3. The respondent wants to improve his listening skill., and 4. The respondent hopes to gain experience abroad through inter-university, inter-laboratory or other exchanges.

Prof. Nicola gave these following suggestions to the students. 1. to find as many opportunities to use English as possible (e.g., attending seminars and other casual events involving HU's international students); 2. to take every opportunity to go abroad; and 3. to use websites offering support for overseas stays. She wrapped up the workshop by quoting a phrase by Nelson Mandela – *If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart.*



A Lecture by Prof. Nicola



Participants Joined to the Workshop

Overview

34

A Person in Charge	Hajime Araki, Field Science Center for Northern Biosphere
Registration	Required (online application) (by Oct.16)
Fees	Free
Contact	Field Science Center for Northern Biosphere, Hokkaido University Hajime Araki (Mr.) TEL, FAX: +81-(0)11-706-3645 E-mail: araki@fsc.hokudai.ac.jp

Report

This workshop, designed for young researchers and graduate school students to improve their communication skills in international exchanges, was offered by Prof. Silvana Nicola (University of Turin, Italy), who is an invited professor of Hokkaido University in academic year 2015 and also the Vice-President of the International Society for Horticultural Science, based on her rich experience in international educational programs and collaborative research projects.

Most participants in this workshop were postdocs, who expressed their hopes to use the skills they would gain at the workshop in their future activities abroad. As in her workshop for undergraduate and graduate students, Prof. Nicola began this session with a self-introduction and then highlighted the significance of international exchanges in English. She pointed out that while English is a means of making research presentations and is used in numerous research papers in the natural sciences, such use of English should not be considered as in opposition to the use of one's own language in case of publications intended to disseminate technologies.

English is a tool for imparting knowledge and is used for student guidance, lectures and seminars, she said. In particular, laboratories in Europe accept many international students. Prof. Nicola's laboratory is no exception; she switched the language of all laboratory manuals to English. She also emphasized that English is a tool for mutual understanding, and that it is used in various settings, including interactions with international students and staff members, as well as in the planning of and consultations about research projects.

In addition to English, Prof. Nicola also outlined ten prerequisites for international research exchanges based on her own experience: generosity, flexibility, autonomy, inner strength, understanding, attentive listening, clear statement of arguments, cross-cultural understanding, friendly relations and collaboration.

Feedback from audience members during their exchanges with Prof. Nicola included a desire to interact with researchers of different backgrounds if possible because the laboratory to which the respondent belongs had very few exchanges with researchers abroad. Another attendee mentioned the hope to enhance motivation to initiate joint research with overseas researchers through increasing opportunities to talk with people like Prof. Nicola.

This workshop showed that the participating postdocs sought exchanges with researchers and faculty members in fields other than their own, and that opportunities like this workshop, where invited international instructors explain their home institutions and interact with postdocs, are useful.



Participants of the Workshop



Prof. Nicola and Participants in the Workshop

Diversification of Research Human Resource, and Desirable Researcher Support: Toward Sustainable Activity of Female Researchers



Overview

Date	Tuesday, October 27, 2015 (13:00-16:30) (Finished)
Organizer	Support Office for Female Researchers in Hokkaido University
Venue	Conference Hall, Hokkaido University
Language: Japanese	
Intended Audience: Researchers, College Students, High School Students,	
Outline	<p>This symposium will bring together researchers from universities and public as well as private research institutions across Hokkaido to discuss effective, sustainable support measures for female researchers.</p> <p>While providing opportunities for attendees to reaffirm their common views and differences.</p>
A Person in Charge	Tsuneko Mochizuki, Support Office for Female Researchers in Hokkaido University
Registration	Not required
Fees	Free
Contact	<p>Support Office for Female Researchers in Hokkaido University</p> <p>Tel: +81-(0)11-706-3625</p> <p>E-mail: freshu@synfoster.hokudai.ac.jp</p>

Report

On October 27, the Support Office for Female Researchers in Hokkaido University (FResHU) hosted a symposium titled *Diversification of Research Human Resources, and Desirable Researcher Support: toward sustainable activity of female researchers*.

The event was intended to summarize the Program to Support the Research Activities of Female Researchers (with organizational hubs and collaborations), which has been implemented since fiscal 2013 with the aid of Ministry of Education, Culture, Sports, Science and Technology Funds for Development of Human Resources in Science and Technology.

At the event, Japan Science and Technology Agency (JST) Program Officer Yasuko Yamamura delivered the first keynote speech on the situation of female researchers, related policies and other matters. She compared the environments surrounding female researchers in different countries, shared related survey data, and outlined best practices among initiatives taken by universities in Japan. She also outlined policy directions and other initiatives.

Next, Nagoya University Vice Trustee and Professor Hiroko Tsukamura, who also serves as the Director of the university's Office for Gender Equality, spoke under the title of *Revitalizing Universities through the Advancement of Women with a Focus on Initiatives at Nagoya University*. She emphasized the importance of promoting the advancement of female researchers by a top-down approach as part of universities' strategies and highlighted the impact of such advancement on the enhancement of universities' value using examples at Nagoya University.

Professor Ryoko Ikemoto of Kanazawa University, specially appointed Professor Reiko Sadamoto of the Muroran Institute of Technology and Hokkaido University Vice President Tsuneko Mochizuki joined in the following panel discussion. After initiatives taken at the three universities were outlined, the attendees discussed the effects and issues involved in collaborative work with non-university institutions. Other discussions covered a broad range of topics, including the future direction of support for researchers and its policy implications.

The event attracted more than 40 attendees came from inside and outside of Hokkaido University. It was characterized by lively question-and-answer sessions and other discussions. FResHU plans to continue providing support to the establishment of research environments where researchers of various backgrounds can thrive and to promote changes in academics' ways of thinking to promote diversity.



Introduction of
a case at the Panel Discussion



Question-and-Answer Session



Japanese Society for Ceramides, 8th Meeting in Sapporo

Overview

Date	Thursday, October 29, 2015 & Friday, October 30, 2015 (Finished)
Organizer	Japanese Society for Ceramides
Co-host	Sapporo Health Innovation“Smart-H”
Venue	Conference Hall, Hokkaido University
Language: Japanese or English (No interpretation)	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>Ceramides are often discussed as ingredients in functional food and cosmetics among other applications, and are recognized for their positive health benefits.</p> <p>This meeting will feature speeches and poster presentations by researchers as a way of providing information to help advance related research.</p> <p>It is also intended to support the development of the Sapporo Health Innovation (Smart-H) project, which promotes food-centered utilization of health/medical care technology and information.</p>
A Person in Charge	Yasuyuki Igarashi (Laboratory of Biomembrane and Biofunctional Chemistry, Hokkaido University)
Registration	Required via website (details will be informed in the website)
Fees	JPY 8,000 (Free for student)
Contact	<p>Japanese Society for Ceramides</p> <p>E-mail: info@ceramide.gr.jp</p>
URL	http://www.ceramide.gr.jp/

Report

The 8th Annual Meeting of the Japanese Society for Ceramides, held on October 29 and 30, attracted approximately 140 people – 100 from Japanese universities and corporate research institutes and roughly 40 from Hokkaido University (including 20 students). The event was characterized by lively discussions.

Invited speakers from abroad were Dr. Yoshikazu Uchida of the University of California, San Francisco, who is the leading expert on mechanisms of skin barrier function, and Professor Young Moon Lee of Chungbuk National University, South Korea, who is engaged in studies on hair growth and sphingolipids. The luncheon seminar featured Professor Gabor Tigyi from the University of Tennessee, who spoke about structural analysis of S1P receptors. Dr. Genji Imokawa of Chubu University delivered the JSC Award lecture, impressing the audience with a summary of 30 years of his research on ceramides and skin barriers.

Five presentations by invited speakers from across Japan were on the following topics: 1. Study of the enzyme system involving acylceramides in the skin (Professor Akio Kihara, Hokkaido University), 2. Study of endoglycoceramidase (Professor Makoto Ito, Kyushu University), 3. Roles of lipids in epithelial-mesenchymal transition (Associate Professor Junichi Ikenouchi, Kyushu University), 4. Present situation and prospects of the development of a non-target lipidomics platform (Dr. Makoto Arita, RIKEN) and 5. Mechanisms underlying the promotion of small intestinal nutrient absorption by sphingomyelin (Dr. Masashi Morifuji, Meiji Co., Ltd.). Seventeen general lectures were also given. The sixth JSC Award was presented to Professor Kihara (Hokkaido University's Faculty of Pharmaceutical Sciences), and the JSC Young Investigator Award was given to Dr. Shota Sakai (a specially appointed assistant professor at Hokkaido University's Faculty of Advanced Life Science).

An event reception held at Sapporo Aspen Hotel on the evening of the first day was attended by more than 50 people, who exchanged information and discussed collaborative research programs. The next meeting will be held in late October 2016 at the Tokyo Ubiquitous Collaboration Plaza. The details of the event's lectures and discussions were widely reported in a special ceramides issue of the Food Chemical Newspaper published on November 28, 2015.



Participants Listening to the Lecture



Question-and-Answer Session

Measuring and Modeling of Tropical Peat Carbon to Mitigate Global Warming



Overview

Date	Tuesday, November 3, 2015 (13:00-16:00) (Finished)
Organizer	Research Faculty of Agriculture, Hokkaido University
Co-host	ERTDF(2-1504), Wetland Seminar
Partners	JapanFlux
Venue	Conference Hall, Hokkaido University
Language: Japanese	
Intended Audience: General public, College Students, High School Students,	
Outline	<p>In Southeast Asian tropical peat forests, peat decomposition caused by deforestation. Farmland development has increased the risk of fires and CO₂ emissions.</p> <p>Researchers monitoring forests for conservation will outline the present and future situation based on recent research results to high school students and citizens.</p> <p>(Poster below is only in Japanese)</p>

脆弱な巨大炭素貯蔵庫 ー熱帯泥炭林ーを監視する

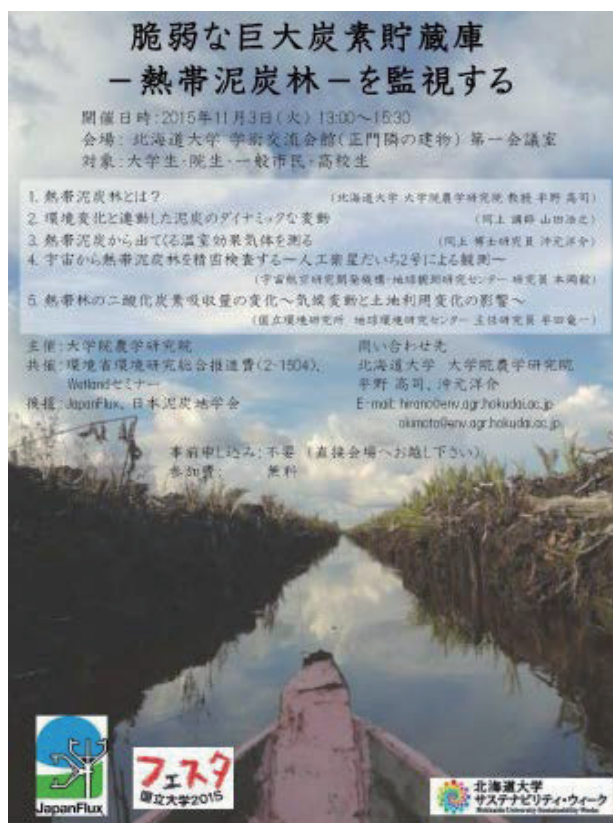
開催日時: 2015年11月3日(火) 13:00~15:30
会場: 北海道大学 学術交流会館(正門隣の建物) 第一会議室
対象: 大学生・院生・一般市民・高校生

1. 熱帯泥炭林とは? (北海道大学 大学院農学研究科 教授 平野 高司)
2. 環境変化と連動した泥炭のダイナミックな変動 (同上 講師 山田 淳之)
3. 熱帯泥炭から出てくる温室効果気体を測る (同上 博士研究員 沖元 洋介)
4. 宇宙から熱帯泥炭林を精密検査するー人工衛星だいち2号による観測ー (宇宙航空研究開発機構・地球観測研究センター 研究員 本間 毅)
5. 熱帯林の二酸化炭素吸収量の変化へ気候変動と土地利用変化の影響へ (国立環境研究所 地球環境研究センター 主任研究員 平田 聡一)

主催: 大学院農学研究科
共催: 環境省環境研究総合推進費(2-1504);
Wellandセミナー
後援: JapanFlux, 日本泥炭地学会

問い合わせ先
北海道大学 大学院農学研究科
平野 高司, 沖元 洋介
E-mail: hirano@env.agr.hokudai.ac.jp
okimoto@env.agr.hokudai.ac.jp

事前申し込み: 不要 (直接会場へお越し下さい)
参加費: 無料




Bare tree rooms after forest fires

A Person in Charge	Takashi Hirano (Research Faculty of Agriculture, Hokkaido University)
Registration	Not required
Fees	Free
Contact	Research Faculty of Agriculture, Hokkaido University E-mail: hirano@env.agr.hokudai.ac.jp (Contact: Takashi Hirano) E-mail: okimoto@env.agr.hokudai.ac.jp (Contact: Yosuke Okimoto)

Report

The Research Faculty of Agriculture is engaged in a research project titled *the development of the regional-scale assessment system of carbon dynamics in Bornean peat ecosystems* (Project Code: 2-1504), which has been supported by the Environmental Research and Technology Development Fund of the Ministry of the Environment in fiscal 2015. This public seminar, with the theme of *Measuring and Modeling of Tropical Peat Carbon to Mitigate Global Warming*, was held as part of public outreach activities to promote the research project to citizens. The event was also attended by representatives of other member bodies involved in the project: the National Institute for Environmental Studies (NIES) and the Japan Aerospace Exploration Agency (JAXA).

Five speakers outlined their research subjects concerning tropical peat for 30 minutes, including a question-and-answer session, detailing past research outcomes and future research agenda items. The event attracted 54 people (47 Japanese and 7 international students,) from various walks of life, including undergraduate and graduate students of Hokkaido University, academics, and citizens.

The post-event questionnaire, which was returned by 34 people, indicated a high level of satisfaction with those finding the event “very good” or “good” accounting for 94% of the total. Many respondents mentioned that the lectures were easy to understand because simple explanations of basic terms were given which helped to clarify the issues, and that it was ideal for citizens. The post-event feedback also showed that 94% of respondents found the presentations “very easy,” “easy” and “appropriate.” This shows that lecturers’ explanations of research results and activity details were easy and clear enough to understand for audience.

One of the audience requested the event organizer to provide many more similar opportunities for the public to learn about the frontiers of research. Having also received requests from the co-host and partner organizations to continue outreach activities, Research Faculty of Agriculture will take advantage of public outreach opportunities to publicize the progress of research and related activities in plain terms.



Audience at the Lecture



Reception Desk of the Symposium

Welcome to the World of Health Science



Overview

Date	Tuesday(/Public Holiday), November 3, 2015 (13:00-16:00) (Finished)
Organizer	Faculty of Health Science, Hokkaido University
Venue	Multi-purpose room, E bldg., Faculty of Health Science, Hokkaido University
Intended Audience: General public, College Students, High School Students,	
Outline	<p>Based on a fundamental theme titled Welcome to the World of Health Science, three HU lecturers will each make a presentation from their fields of specialization to members of the general public at this event.</p> <p>These will be: (1) Living in the comfort of your own home until the end of your life; (2) Neutrophil extracellular traps – a powerful weapon against pathogens; and (3) A wheelchair design for a super-aging society.</p>
A Person in Charge	Tadayoshi Asaka (Faculty of Health Science, Hokkaido University)
Registration	Required via E-mail or phone
Fees	Free
Contact	<p>Faculty of Health Science, Hokkaido University</p> <p>General Affairs Section, Faculty of Health Science, Hokkaido University</p> <p>TEL: +81-(0)11-706-3315</p> <p>E-mail: shomu@hs.hokudai.ac.jp</p>

Report

The Faculty of Health Sciences held the public lecture under the theme of *Welcome to the World of Health Science*. It featured presentations by four Hokkaido University researchers on their fields of specialization and 66 people attended the lectures.

In the first lecture, Ms. Michiko Aoyanagi gave a lecture titled *Living in the comfort of your own home until the end of your life* and highlighted the significance of care that allows elderly and sick people to continue living in their own homes. The second lecture, titled *Neutrophil extracellular traps – a powerful weapon against pathogens*, was given by Professor Akihiro Ishizu, who focused on neutrophils, which are cells that fight pathogenic bacteria, and outlined the bactericidal mechanism and disorders of neutrophil extracellular traps. In the third lecture, titled *A wheelchair design for a super-aging society*, Professor Tatsuo Hatta and Assistant Professor Hirotohi Kishigami outlined a wheelchair design that will offer more sitting and moving comfort than the current models in consideration of the foreseen increase in wheelchair use in Japan, which will soon become a super-aging society.

The researchers gave lectures from a health science viewpoint using *the commitment of universities to serve as a driving force behind the development of a sustainable society* as a key phrase based on the theme of the Sustainability Weeks 2015 program – *Reaffirm Our Responsibility for the Sapporo Sustainability Declaration 2008*. In general, attendees found the lectures enjoyable and asked a variety of questions, to which the speakers responded in detail using easy-to-understand terms. The Faculty of Health Sciences plans to continue hosting an annual public lectures under a theme that will reflect current trends or otherwise attract the interest of the public.



Greetings by Prof. Date



A Lecture Given by Prof. Hatta

Don't Make the Lid to Smell Things?? Culture and Technology on Excreta – from Africa and Asia of the Case –



Overview

Date	Friday, November 6, 2015 (13:30-17:30) (Finished)
Organizer	Faculty of Engineering, Hokkaido University
Co-host	Research Institute for Humanity and Nature
Venue	Large Lecture Hall, Research Faculty of Agriculture
Language: Japanese	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>The excreta and waste people produce can be either pollutants or useful resources depending on how they are handled. However, little attention is paid to them in daily life.</p> <p>Due to the localization of human populations and lifestyle changes, we cannot continue to ignore such problems.</p> <p>This event will present case studies from Asia and Africa and help members of the general public consider how to face such problems.</p>
A Person in Charge	Naoyuki Funamizu, Faculty of Engineering
Registration	Not required
Fees	Free
Contact	<p>Faculty of Engineering, Hokkaido University</p> <p>Naoyuki Funamizu(Mr.)</p> <p>E-mail: funamizu@eng.hokudai.ac.jp</p>

Report

Wastes, including human's, animal's and others are all around us. They will cause sanitary degradation and environmental pollution if mismanaged, but turn into useful resources for daily living if utilized effectively. However, it seems that only little attention has been paid to excreta in daily life.

This seminar was intended to discuss how we should consider night soil and animal manure from multiple viewpoints – such as the public perception of them, their relationship with culture and society, resource utilization (e.g., food production), and environmental impact reduction – in reference to examples in Japan and elsewhere in Asia as well as Africa.

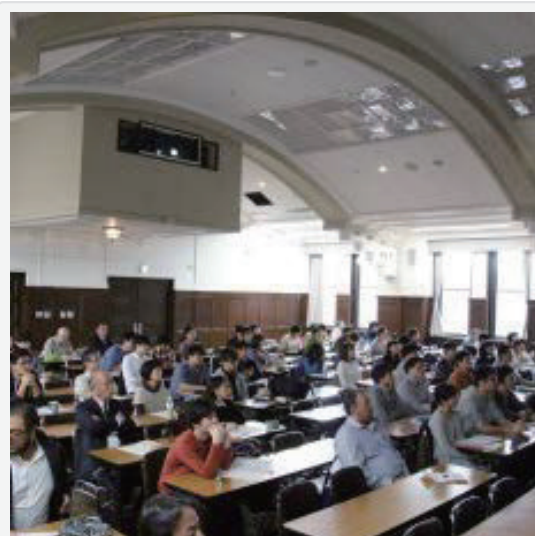
During the seminar, Professor Manabu Koiso from Kobe Yamate University (Faculty of Contemporary Social Studies) delivered a lecture titled *Ritual Meaning and Use of Cattle Dung in Hinduism*, discussing how cattle dung is handled in India. The next lecture was given by Professor Kazunori Iwabuchi of Research Faculty of Agriculture, Hokkaido University, and had an agricultural perspective. He outlined the utilization of manure to produce biogas and compost under the title of *Recycling-oriented Society and Manure Utilization*.

Research Institute for Humanity and Nature Project Researcher Hidetoshi Miyazaki then spoke under the title of *Utilization of Livestock Manure in Support of Regional Development in Semi-arid West Africa*, illustrating the coexistence of herders and farmers through livestock manure. Last but not least, Professor Naoyuki Funamizu of HU's Faculty of Engineering gave a lecture titled *Consideration of Feces from an Engineering Perspective*, discussing technology that enhances the value of feces, and reporting on an example of its application in West Africa.

The general discussion held at the end of the event was featured by many questions from the floor, which generated lively discussions.



A Lecture Given by Prof. Iwabuchi



Audience Listening to the Lectures



SD on Campus: Invitation to Study Abroad Program

Overview

Date Friday, November 6th, 2015 (Finished)

Organizer Office of International Affairs, Hokkaido University

Venue Office of International Affairs, Hokkaido University

Language: English

Intended Audience: College Students

Outline International students from HU overseas partner institutions who are on the Hokkaido University Short-term Exchange Program (HUSTEP) will outline sustainable development (SD) education provided at their home institutions, and will highlight ways in which students there contribute to SD in classrooms and elsewhere.

**SD on Campus:
Invitation to Study Abroad Program**

Date: November 6th, 2015 (Fri) 18:10-20:10
Venue: Office of International Affairs Building, 1F Hokkaido University

Schedule:

- JAC: Ms. Kumi ISHIGURO, Division of International Academic Programs
- Opening remarks
 Dr. Ichiro Uyeda, Executive and Vice President /
 Executive Director, Office of International Affairs
- 1. Brief Presentation on Sustainable Development(SD)
 Prof. Eijun Seneba, Graduate school of Letters
- 2. Presentations by HUSTEP students on ESD related activities at their universities and the students' involvement
 - Ms. Yae Lin, Portland State University (USA)
 - Ms. Nguyen Ngoc Thuy Giang, International University, Vietnam National University - Ho Chi Minh City (Vietnam)
 - Ms. Eysko Ann Niochi / Ms. Chukwu Abigail Onyekwenna /
 Ms. Edie Asuzehine Tessy Nkoliru, Ebonyi State University(Nigeria)
 - Mr. Nur Anice Mardhotillah, Mr. Dhanang Rachmanita Fitri,
 Mr. Harsan Salsabila, Mr. Dhiya Alri Fallisah,
 Universitas Gadjah Mada (Indonesia)
- 3. Brief explanation on study abroad opportunities for HU students
 Ms. Kumi ISHIGURO, Division of International Academic Programs
- 4. Q&A Session
- Closing

A Person in Charge	Eijun Senaha, Graduate School of Letters, Hokkaido University
Registration	Required (registration closed)
Fees	Free
Contact	Division of International Academic Programs, Office of International Affairs Kumi KONO (Ms.) TEL: +81-(0)11-706-8053 E-mail: jryugaku@oia.hokudai.ac.jp

Report

Office of International Affairs, HU hosted a seminar, *SD on Campus: Invitation to Study Abroad Program* to provide information on overseas universities with the attendance of representatives from four HU partner institutions. The participated institutions this year were Portland State University (US), Gadjah Mada University (Indonesia), Vietnam National University, Ho Chi Minh City, and Ebonyi State University (Nigeria). To offer information from students' point of view, students in short-term study abroad programs (HUSTEP) introduced their universities in the presentations.

They introduced each education on Sustainable Development (SD) and how students contribute to SD inside or outside of classrooms. In the latter part of the seminar, Nigerian traditional dance was introduced as well.

It was the eighth year to hold this seminar. Some students answered in their questionnaire that it was fruitful for them to learn about various universities. Others mentioned that they could imagine easily students' lives of overseas universities by this seminar. It was a good opportunity for the presenter students as well. They prepared well to utilize this chance to appeal their own universities directly to HU students. Office of International Affairs plans to hold this seminar next year as well since participated students gave requests of universities which they would like to know the information next time.



Opening Remarks by Prof. Uyeda,
Executive, Office of Int'l Affairs



A presenter student awarded



A group photo of organizers
and presenter students



The Contribution of Archaeology to Local / Indigenous Communities

Overview

Date Saturday, November 7, 2015, 13:00-17:30(Door open 12:30), Sunday, November 8, 2015, 10:00-17:30 (Door open 9:30) **(Finished)**

Organizer Center for Ainu & Indigenous Studies, Hokkaido University

Co-host Center for Advanced Tourism Studies, Hokkaido University

Partners The Eighth World Archaeological Congress: WAC-8

Venue Conference Hall, Hokkaido University

Language: Japanese / English (English-Japanese consecutive interpretation)

Intended Audience: Researchers, General public, College Students, High School Students,

Outline This symposium will provide opportunities for experts to discuss relationships linking indigenous peoples and archaeology from broad perspectives here in Hokkaido – the home of Japan's indigenous Ainu people.

It will involve examination of related issues in various parts of the world to support in-depth understanding of the movement behind the restoration of indigenous rights and its history.

The event is being organized in collaboration with the World Archaeological Congress, which will be held in Kyoto next year as the first such gathering in Asia.

A Person in Charge	Hirofumi Kato, Center for Ainu & Indigenous Studies, Hokkaido University
Registration	Not required
Fees	Free
Contact	Center for Ainu & Indigenous Studies, Hokkaido University Hirofumi Kato (Mr.) TEL: +81-(0)11-706-2859 E-mail: ainu@let.hokudai.ac.jp
URL	http://www.cais.hokudai.ac.jp/english/

Report

This symposium highlighted the contribution of archaeology and cultural heritage studies to local and indigenous communities as a way of making a specific contribution to sustainable development (SD). It featured researchers from the University of British Columbia, Simon Fraser University, National Taiwan University, the University of Uppsala and the University of Aberdeen, and involved comparisons with two related initiatives undertaken by local governments in Hokkaido.

The symposium compared overseas examples of collaboration between indigenous peoples and researchers with those between Ainu communities and universities and local governments in Hokkaido. The attendees exchanged opinions about common challenges and effects of such collaboration. The symposium served as a pre-event for the Eighth World Archaeological Congress (WAC-8) to be held in Kyoto in late August 2016 and was therefore attended by representatives of the secretariats of the World Archaeological Congress (WAC) and the WAC-8 Kyoto Local Organizing Committee, allowing discussions from a diverse range of perspectives.

Speakers shared information on collaboration between indigenous peoples and archaeologists in North America, Asia and North Europe, also from an international context, providing valuable opportunities to exchange opinions on contemporary issues. The event's organization at Hokkaido University enabled the first-ever comparison of examples in Taiwan, North America and North Europe, which drew praise from many attendees. This was due to the university's location in Asia and its status as Japan's only research institution handling indigenous studies. Hokkaido University is expected to continue to play a central role in linking overseas research institutions.

Lecturers from outside Japan did not only attend the symposium, but also gave special lectures to Hokkaido University's graduate students (five Japanese and four international students). The opportunity to exchange opinions directly with researchers at the forefront of their fields from various parts of the world served as a valuable educational experience for the students. Active questioning by the students indicated their high levels of satisfaction.



Researchers at the Panel Discussion



Group Photo of the Participants

The Oral Health and Dental Medicine #1: The Introduction of Oral Health and Dental Treatments



Overview

Date	Saturday, November 7, 2015 (Finished)
Organizer	Graduate School of Dental Medicine, Hokkaido University
Venue	Graduate School of Dental Medicine, Hokkaido University
Language: Japanese	
Intended Audience: Researchers, General public, College Students, High School Students,	
Outline	Food plays a major role in determining people's quality of life. At this event, lecturers renowned for their presentation skills will discuss oral health, problem-handling methods and treatments in simple terms with high school students and members of the general public in order to help promote the joys of eating.
A Person in Charge	Taro Arima, Graduate School of Dental Medicine
Registration	Required (online registration closed)
Fees	Free
Contact	Graduate School of Dental Medicine, Hokkaido University Taro Arima (Mr.) Tel: +81-(0)11-706-4275 E-mail: tar@den.hokudai.ac.jp

The Graduate School of Dental Medicine held a special public lecture meeting titled *The oral health and dental medicine #1* at the Conference Hall of the School of Dental Medicine from 9:30 a.m. to 1:00 p.m. on November 7, 2015.

This meeting served as the eighth event held as part of the Sustainability Weeks program by the Graduate School of Dental Medicine. Four speakers outlined oral health, which is essential to enjoy meals and eating, problem-handling methods and treatments using simple terms that the general public can easily understand.

The event began with the opening address by Professor Atsuro Yokoyama, Dean of Graduate School of Dental Medicine and School of Dental Medicine, Hokkaido University. Then, Hokkaido University Hospital instructor Takashi Kanehira outlined the history of food, which was followed by a lecture on tooth replantation by Assistant Professor Yusuke Matsuzawa of Graduate School of Dental Medicine, Hokkaido University. A member of the Hokkaido Dental Hygienists' Association who works as a dental hygienist at Sapporo Hokuyu Hospital, Haruko Harada, then detailed the timing of tooth brushing. Finally, Hokkaido University's Graduate School of Dental Medicine instructor Taro Arima outlined temporomandibular joint disorder.

This lecture meeting was also held as part of the National Universities Festival and as a cooperative program of the Citizen's College of Hokkaido. It attracted 25 attendees despite the challenging weather with strong winds and a limited number of incidental tourists who happened to drop by after visiting the tourist spot of Ginkgo *S t r e e t* at Hokkaido University.

The organizer of the event was very grateful towards the attendees, particularly one from Eniwa City who has been attending this lecture meeting series since he learned about it on the Internet three years before.

The Graduate School of Dental Medicine plans to continue hosting special public lecture meetings through the Citizen's College of Hokkaido and other programs as part of its efforts to return the benefits of research achievements to society. It also intends to continue offering discussion topics through the Sustainability Weeks program.



A Lecture Given by Prof. Kanehira



A Lecture Given by Ms. Harada



International Workshop on Research Ethics: Teaching Research Ethics

Overview

Date	Saturday, November 7, 2015 (Finished)
Organizer	Center for Applied Ethics and Philosophy, Graduate School of Letters, Hokkaido University
Co-host	St. Petersburg State University, Universitatea din București
Venue	Lecture room W409, Humanities and Social sciences Building, Hokkaido University

Language: English

Intended Audience: Researchers, College Students,

Outline This workshop will help to verify the effectiveness of materials used to teach research ethics based on reports detailing its education programs provided at HU and partner institutions in Russia and Romania.

It will feature discussions intended to improve teaching materials and support research and development for new teaching materials. Attendees will have opportunities to consider the realization of a sustainable society in light of the virtues of researchers.

✧ **Flyer** ✧

(Please click the picture below for the detailed information.)



A Person in Charge	Shuzo Majima, Faculty of Letters, Hokkaido University
Registration	Not required
Fees	Free
Contact	Faculty of Letters, Hokkaido University Tel: +81-(0)11-706-3060 E-mail: erikashibata@let.hokudai.ac.jp

Report

This workshop, held on November 7 by the Graduate School of Letters' Center for Applied Ethics and Philosophy (CAEP), featured researchers invited from Saint Petersburg State University in Russia and the University of Bucharest in Romania, both HU partner institutions. The event involved comparison of the present situations and problems of research ethics education in different countries, the examination of research ethics education programs implemented at HU and at the two partner institutions based on presentations made at the workshop, and analysis of the effectiveness of educational methods.

In Part I, titled *Recent Trends in Teaching Research Ethics*, the attendees discussed the present situations of research ethics education in Japan and other countries. It was found that such education in Japan was insufficient yet more diverse and effective than in the other two countries. In particular, one of the major differences between Japan and the other two countries was that people who commit research misconduct are not only socially punished in Japan, but are also treated differently by their peers and the scientific society than in those countries.

Part II, titled *Examining the Effectiveness of Teaching Materials*, focused on research ethics education programs implemented at HU and at the two partner institutions based on presentations, and analyzed the effectiveness of educational methods. It was found that the three universities have not yet implemented campus-wide standard programs to teach research ethics, but that related initiatives were proceeding.

The discussion session in Part III was characterized by lively exchanges, not only among the speakers, but also involving the audience. Insights and achievements from the workshop provided useful ideas not only for HU and the partner institutions, but also for promotion of research ethics in Japan, Russia, Romania and other countries. The event specifically clarified that there were differences in the attitude of researchers toward research activities and in the social reaction to research misconduct among countries depending on the standing and position of researchers in society as well as the public awareness and recognition of researchers as specialists.

It was also shown that to promote research ethics education, it is essential to view researchers as specialists and implement research ethics education as part of professional ethics education. At the event, seeds for collaborative research were planted to develop a worldwide network for research ethics education with HU and the partner institutions at its center.



A Lecture Given by A Professor of
St.Petersburg State University



A Lecture Given by A Professor of
University of Bucharest



GiFT: Global Issues Forum for Tomorrow

Overview

Date Sunday, November 8, 2015, 8pm-10pm(Japan Time) **(Finished)**

Organizer Hokkaido University

Venue On the internet

Language:English

Intended Audience:College Students, High School Students,

Outline GiFT -Global Issues Forum for Tomorrow- is an internet forum enabling discussion among high school and university students worldwide.

This Year's Theme

" How Can We Deal With Sharp Global Environmental Changes?"



Be part of a worldwide audience watching video on cutting-edge research results and share your impressions and opinions in English or Japanese.

Win a place on the Hokkaido University Experience Tour 2016 !!

Four audience members who contribute comments will be invited to take part in a hands-on tour covering classes and research at HU.

Information on a past tour is available on Facebook:

<https://www.facebook.com/SW.Hokkaido.u>

A Person in Charge	Secretariat of Sustainability Weeks, Office of International Affairs, Hokkaido University
Registration	Not required
Fees	Free
Contact	Secretariat of Sustainability Weeks, Hokkaido University TEL: +81-(0)11-706-8031 E-mail: sw1@oia.hokudai.ac.jp
URL	http://sustain.oia.hokudai.ac.jp/gift/index.html

Report

Hokkaido University held an online discussion forum for world high school and university students, known as Global Issues Forum for Tomorrow, or GiFT for short, on November 8, 2015.

GiFT has been held to motivate many young people to act to resolve global issues under the theme of *Contributing to the Resolution of Global Issues* as advocated in the Future Strategy for the 150th Anniversary of Hokkaido University. The forum has been organized as part of the campus-wide annual Sustainability Weeks program, which was launched in 2007, with this year's as the fifth such forum.

GiFT features HU researchers working to create a sustainable society. They call on students worldwide in English via live webcast to join them to consider what they can do to resolve global issues. This year, one Japanese student and three international students from HU served as the moderators, and a total of 267 people from around the world participated in the forum. As of December 9, the videos had been viewed 1,823 times in total.

This year's theme of GiFT was *How can we deal with sharp global environmental changes?* The forum began with a presentation by Hokkaido University President Keizo Yamaguchi, who outlined the roles of universities and the importance of collaborative research in efforts to resolve global issues. Professor Atsuko Sugimoto from the Faculty of Environmental Earth Science then illustrated environmental issues in permafrost areas and the need to educate local residents. After her presentation, Professor Sei-ichi Saitoh, Director of HU's Arctic Research Center, detailed the movement of phytoplankton captured by satellite, and the prediction of changes in the Arctic marine ecosystem. Last but not least, Professor Tsuyoshi Setoguchi from the Faculty of Engineering's Division of Architectural and Structural Design outlined urban design that is in harmony with the natural environment using the reconstruction of Wakkanai Station as an example. Live online viewers expressed their desires and exchanged ideas toward the resolution of global issues via chatting.

Archived videos are available at <http://sustain.oia.hokudai.ac.jp/gift/year2015.html>.



A Presentation by President Yamaguchi



Moderator Students of GiFT2015

Hokkaido University – Finnish Universities Joint Symposium : University Rolls of Contribution for Arctic Region Sustainability



Overview

Date	Tuesday, November 10 - Thursday, November 12, 2015 (Finished)
Organizer	Division of International Exchange office of International Affairs, Hokkaido University
Co-host	University of Lapland, University of Oulu
Venue	Centennial Hall, Hokkaido University / Creative Research Institution, Hokkaido University

Language: English

Intended Audience: Researchers, General public, College Students,

Outline

Pamphlet

(* Please click the picture below for detailed information.)



Opening Session

Tuesday, Nov. 10 (14:00-17:45)

Studies on Arctic regions are attracting global attention. What issues affect these regions, and how do HU and Finnish universities tackle them? This symposium will provide opportunities for attendees to share the latest information on these questions through reports, and will include discussions on the future of education and research.

- * Venue: Centennial Hall
- * Language: English-Japanese simultaneous interpretation

Expert Workshops

Wednesday, Nov. 11 (9:00-19:00 *tentative)

Keywords for workshops:

- Marine environment and marine affairs
 - Population
 - Innovation for sustainable development and other subjects relevant to these regions
- * Venue: Creative research seminar room
 - * Language: English

Closing Session

Thursday, Nov. 12 (Afternoon *tentative)

This session will provide opportunities for attendees to review the content of discussions held in the workshops and discuss the ideal nature of future collaboration.

- * Venue: Centennial Hall
- * Language: English



A Person in Charge	Kazuko Shimizu, Division of International Exchange office of International Affairs, Hokkaido University
Registration	Not required
Fees	Free
Contact	Division of International Exchange office of International Affairs TEL: +81-(0)11-706-8029 E-mail: gi-core@oia.hokudai.ac.jp

Report

The Hokkaido University – Finnish Universities Joint Symposium was held from November 10 to 12 as part of HU's Sustainability Weeks program (an annual event launched in 2007), with the University of Oulu and the University of Lapland serving as co-hosts. The event attracted approximately 80 people primarily from HU and these two universities.

The theme of the event was *The Role of Universities in Contributing to Sustainability in the Arctic*. The Opening Session began with the welcome address by HU President Keizo Yamaguchi. It was followed by a keynote speech by Professor Sei-ichi Saitoh, the Director of HU's Arctic Research Center. HU Executive and Vice-President Ichiro Uyeda then outlined HU's initiatives. University of Oulu Rector Jouko Niinimäki, University of Lapland Rector Mauri Ylä-Kotola, University of Eastern Finland Rector Jukka Mönkkönen, University of Helsinki Vice-Rector Anna Mauranen and University of the Arctic Vice-President Kari Laine then consecutively spoke about initiatives taken by their own institutions.

The Opening Session was followed by a lively panel discussion moderated by HU's Helsinki Office Director Yoshihiro Narita. During the joint symposium, separate symposiums were held on maritime activities/innovation and the population both in the Arctic and spin-off seminars on natural resource development and academic consortiums in the Arctic, allowing discussions in a broad range of fields.

The event provided an opportunity for HU and Finnish universities to reaffirm their expectations of further strengthening their relationship based on the lively exchanges they enjoyed.



Panel Discussion Session



Audience at the Symposium



Group Photo of Symposium Participants

Public Symposium on Advanced Co-generation System: For the Promotion of Co-generation Network System



Overview

Date	Tuesday, November 10, 2015 (13:00-16:00) (Finished)
Organizer	Hokkaido University, Laboratory of Energy Conversion System
Venue	Frontier Research in Applied Sciences Building, Hokkaido University

Language: Japanese (No interpretation)

Intended Audience: Researchers, General public, College Students, High School Students,

Outline Co-generation systems is an energy conservation technique to reduce green house effect gas. It is effective especially in Hokkaido, where large thermal demand is. To make use of this advantage, HU researchers propose to make a cooperative co-generation network system that interchanges the surplus power.

(Poster below is only in Japanese)

次世代コージェネレーションシステム 公開シンポジウム

～コージェネレーションネットワークの普及に向けて～

11.10 (火) 13:00~16:00

北海道大学 フロンティア科学研究棟 鈴木章記念ホール

電力と熱の双方を有効利用できる「コージェネレーション」は、環境負荷の低減とエネルギー効率の向上に大きく貢献しています。この能力を十分に活用させるものとして、コージェネレーションを電力系統に広げてネットワーク化し、余剰電力の融通を行う「分散型コージェネレーションシステム」を構築しています。このコスト・CO₂削減効果に加え、分散型コージェネレーションの普及に当たっては、地域社会との連携や、分散型コージェネレーションによるエネルギー供給の安定化等も行う必要があります。併せて、日本のエネルギー政策や、分散型コージェネレーションの普及の現状等について、関係専門家から最新動向を伺います。北海道の「分散型コージェネレーション」の普及を推進する上で、本シンポジウムは重要な役割を果たすものと期待しています。

PROGRAM

13:00~14:15 「分散型コージェネレーションシステムの普及」

基調講演 「コージェネレーションとスマートコミュニティ」

講演者 東京電力エナジーサービス株式会社 代表取締役 佐藤 隆

「札幌都市エネルギー戦略の現状について」

講演者 札幌市エネルギー戦略推進課 課長 佐藤 隆

14:30~16:00 「分散型コージェネレーションシステムとCO₂削減・環境負荷低減」

環境推進 北海道大学 工学部 環境工学系 教授 佐藤 隆

研究成果報告 「ヨーロッパにおける分散型コージェネレーションシステムの普及と導入促進」

報告者 北海道大学 工学部 環境工学系 教授 佐藤 隆

参加費 無料

主催：北海道大学 工学部 環境工学系 エネルギー変換システム研究室
 共催：http://sustain.hokudai.ac.jp/ow/p/2015/co-gene/

Schedule

- Keynote Speech 13:00~14:15
- Research Results Reports 14:30~16:00

Venue

Venue: Hokkaido University, Laboratory of Energy Conversion System

Please check the website for the details:

<http://www.eng.hokudai.ac.jp/building/detail.php?area=2>

A Person in Charge	Takemi Chikahisa, Laboratory of Energy Conversion System, Hokkaido University
Registration	Not required
Fees	Free
Contact	Faculty of Engineering, Hokkaido University Tel: +81-(0)11-706-6785 E-mail: hieda@eng.hokudai.ac.jp

This event was held to promote the achievements of a research project that has been under way since April 2013, to local governments, private companies and members of the general public in Hokkaido. The project, titled *Scenario Analysis of CO₂ Reduction, Economic Impact, and Effective Policy to Realize a Co-generation Network System*, was supported by the Ministry of the Environment's Environment Research and Technology Development Fund.

This research project, based on a consignment contract, is aimed at the development of a low-carbon energy system and revitalization of the local economy by promoting co-generation across Hokkaido. It recommends the use of distributed co-generation networks for electricity users and effective policy instruments to realize such networks.

The first half of the symposium featured three invited speakers from the Central Research Institute of Electric Power Industry, the Advanced Cogeneration and Energy Utilization Center Japan and the Sapporo Municipal Government. They respectively outlined (1) the present situation and problems facing energy use in Japan and Hokkaido in particular, (2) the present situation of co-generation promotion and related future initiatives, and (3) initiatives to implement low-carbon energy systems in Sapporo. In the latter half, HU faculty members shared their research results. Faculty of Engineering Professor Takemi Chikahisa outlined the reduction of CO₂ emissions by the introduction of co-generation networks and related economic effects. Emeritus Professor Fumikazu Yoshida and Professor Yoichi Toyama, both of the Graduate School of Economics and Business Administration, then illustrated their research results – reviews of overseas surveys and detailed policy instruments.

The event was considered a great success since it was attended by approximately 120 people, more than had initially been expected, and continued for more than 10 minutes longer than the scheduled time due to a lively Q&A session. The project's members will process research results to complete the project, and continue to promote the realization of their recommendations to society.



A Lecture Given by Prof. Chikahisa



A Lecture Given by Mr. Hazeyama,
Sapporo city

Interdisciplinary Research for Smart-aging and Asset Management of Social Infrastructure



Overview

Date	Friday, November 13, 2015 (13:00-1700) (Finished)
Organizer	The Hokkaido research forum for I-U-G
Co-host	Graduate School of Information Science and Technology, NPO Digital Hokkaido, GISAssociation of Japan, CIM/GIS TC for I-U-G
Partners	JSPRS-Hokkaido, JCCA-Hokkaido, JSCE-Hokkaido, JSPE-Hokkaido, Hokkaido GIS TC
Venue	Frontier Research in Applied Sciences Building, Hokkaido University
Language: Japanese (No interpretation)	
Intended Audience: Researchers, General public, College Students,	
Outline	講演プログラム
A Person in Charge	Satoshi Kanai, Graduate School of Information Science and Technology
Registration	Not required
Fees	Free
Contact	Satoshi Kanai Graduate School of Information Science and Technology, Hokkaido University TEL: +81-(0)11-706-6448 E-mail: kanai@ssi.ist.hokudai.ac.jp



2015 The Forum of Northern Jomon: The Jomon features and value

Overview

Date	Sunday, November 15, 2015 (Finished)
Organizer	Jomon World Heritage promotion office, Department of Environment and Lifestyle, Hokkaido Government
Co-host	Hokkaido University
Venue	Grand Hall, 2F Annex building, Sapporo Grand Hotel
Language: Japanese (No interpretation)	
Intended Audience: Researchers, General public, College Students, High School Students,	
Outline	To spread its beauty and the attraction of Jomon period culture, we hold this Forum on November 15th, 2015.

Details and Poster (Only in Japanese)

*You can see the details if you click the picture below.



A Person in Charge	Hirofumi KATO, Center for Ainu and Indigenous Studies
Registration	Not required
Fees	Free
Contact	Center for Ainu and Indigenous Studies, Hokkaido University H. KATO TEL: +81-(0)11-706-4050 E-mail: h-kato@let.hokudai.ac.jp

Report

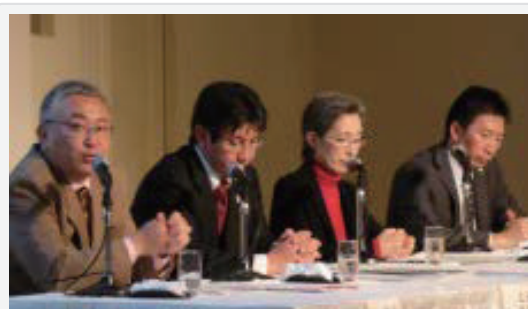
This forum, held under the theme of *the features and value of the Jomon culture*, was intended to promote the beauty and charm of Jomon archaeological sites as part of efforts to have them inscribed on the UNESCO World Heritage List.

This event has been held annually since 2009 and this year's gathering featured Dr. Simon Kaner, Director of the Centre for Japanese Studies in the UK's University of East Anglia. He spoke under the title *The Appeal of Jomon Culture as Seen from Outside Japan*, outlining the characteristics of the culture in the context of global history as seen from outside Japan, as well as illustrating the appeal of Japanese culture that has continued to date. The panel discussion that followed featured a university professor, representatives from relevant local governments and other panelists, who discussed the characteristics and potential of Jomon sites in Hokkaido from the viewpoints of archaeological excavation, community development and other activities under the title *Jomon Features and Value*.

The event attracted 237 people – a larger audience than usual. Most of them were from Sapporo, but also included those from elsewhere in- and outside of Hokkaido. The organizer of the event will continue to promote Jomon features and value at home and abroad based on the feedback obtained from this event to inscribe Jomon archaeological sites in Hokkaido on the UNESCO World Heritage List.



A Lecture Given by Dr.Simon Kaner



Researchers in Panel Discussion Session

International Symposium : WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards



Overview

Date	Monday, November 16, 2015, 15:00-17:00 (Finished)
Organizer	Center for Environmental and Health Sciences (CEHS), Hokkaido University
Co-host	Faculty of Health Sciences, Graduate School of Medicine, Hokkaido University
Partners	Hokkaido Government, City of Sapporo
Venue	Centennial Hall, Hokkaido University
Language: English-Japanese simultaneous interpretation	
Intended Audience: Researchers, General public, College Students,	
Outline	<p>How does chemical contamination in the environment affect health?</p> <p>What issues are experienced outside Japan in this regard, and what kind of support is needed?</p> <p>The Center for Environmental and Health Sciences, Hokkaido University works to prevent possible health hazards from environmental chemicals, and was this year designated as a WHO Collaborating Center for Environmental Health and Prevention of Chemical Hazards.</p> <p>Against such a background, this event will provide opportunities for members of the general public and other attendees to consider future issues and related responsibilities toward the creation of a safe, sustainable society.</p> <p>(Poster below is only in Japanese)</p>


HOKKAIDO UNIVERSITY
 Center for Environmental and Health Sciences
WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards


 北海道大学
 サステナビリティ
 ウィーク 2015
Hokkaido University
 Sustainability Weeks 2015


フェスタ
 国立大学2015

北海道大学 環境健康科学研究教育センター主催
WHO(世界保健機関) 研究協力センター指定記念講演会
環境化学物質のハザードと
人の健康障害の予防

2015年11月16日(月)
15:00~17:00 (14:45開場)
 北海道大学 百年記念会館大会議室

内容
 化学物質に汚染された環境は、健康にどのような影響を与えるのでしょうか。国内外でどのような問題があり、どのような支援が必要とされているのでしょうか。WHO西太平洋事務局における環境と健康の課題、化学物質による健康被害とその予防についての現状を紹介し、安全で持続可能な社会実現に向け、今後の課題と責任を市民の皆さんと一緒に考えます。

◆司会
齋藤 健 (北海道大学環境健康科学研究教育センター長・北海道大学大学院保健科学研究院)
山内 太郎 (北海道大学環境健康科学研究教育センター国際連携部門長・北海道大学大学院保健科学研究院)

◆演者(講演順、日英同時通訳)
野西 健 (Director Programme Management, WHO, Western Pacific Regional Office)
Nasir Bin Hassan (Regional Coordinator, Health and the Environment, WHO, Western Pacific Regional Office)
岸 玲子 (Director, WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards, 北海道大学環境健康科学研究教育センター)
石塚 真由美 (Professional staff, WHOCC, 北海道大学大学院創薬学研究所)

◆申し込み・問い合わせ
 北海道大学 環境健康科学研究教育センター
 TEL 011-706-4746 FAX 011-706-4725
 E-mail info@cehs.hokudai.ac.jp
 URL <http://sustain.ols.hokudai.ac.jp/sw/jp/2015/who-sympo/>
 担当：高橋・荒木
 申し込みはTEL・FAX・E-mailまたは、上記URLから参加申し込みます。
 当日参加も受け付けます。

◆会場

 北海道大学 百年記念会館大会議室
 北海道大学 札幌校
 札幌市 北区 五軒町 1-16-1
 地図参照

後援：北海道大学、環境健康科学研究教育センター、北海道大学大学院保健科学研究院
 協賛：札幌市、北海道大学、環境健康科学研究教育センター、北海道大学大学院保健科学研究院
 協賛：札幌市、北海道大学、環境健康科学研究教育センター、北海道大学大学院保健科学研究院

A Person in Charge Takeshi Saito, Center for Environmental and Health Sciences

Registration Required (online registration closed)

Fees Free

Contact Center for Environmental and Health Sciences

Atsuko Araki (Ms.)

TEL: +81-(0)11-706-4748

E-mail: info@cehs.hokudai.ac.jp

URL <http://www.cehs.hokudai.ac.jp>

Report

This event was held to mark the designation of the Hokkaido University Center for Environmental and Health Sciences (CEHS) as a WHO Collaborating Centre (WHOCC) for Environmental Health and Prevention of Chemical Hazards. It consisted of a designation ceremony and a commemorative symposium.

The event was held before a capacity audience in HU's Centennial Hall with the participation of Dr. Takeshi Kasai, Director of Programme Management, and Dr. Nasir Bin Hassan, Regional Coordinator – Health and the Environment, both from the WHO Western Pacific Regional Office, as well as supervisors from the Ministry of Health, Labour and Welfare and the Ministry of the Environment. The ceremony involved the presentation of a WHOCC plaque and congratulatory addresses. The guests at the designation ceremony also attended the symposium and were among the four lecturers below who spoke about chemical contamination and environmental health.

The symposium began with a lecture by Dr. Kasai, who outlined the changing world structure, the approach to health in a world where countries are linked more closely together than ever, and the need to shift relations with other countries from bilateral to global under the title *WHO and its Collaborating Centre's Roles in Rapidly Changing World*. Dr. Nasir Bin Hassan then illustrated the challenges and roles of environmental health initiatives in the WHO Western Pacific Region under the title *Environmental Health in the Western Pacific Region – Issues, Challenges and Future Directions*.

The next lecture by Hokkaido University Special Guest Professor Reiko Kishi (from the WHO Collaborating Centre for Environmental Health and Prevention of Chemical Hazards and the Hokkaido University Center for Environmental and Health Sciences) was titled *In Preparation for Future WHOCC Activities: Thinking About the Prevention of Health Disorders Caused by Environmental Chemicals from a Global Perspective*. She underlined the need for collaboration with WHO and countries in Asia to protect vulnerable people, in particular. Last but not least, Professor Mayumi Ishizuka of HU's Graduate School of Veterinary Medicine outlined common issues of environmental pollution facing developing countries taking lead poisoning in Africa as an example, under the title *Present Situation of Environmental Pollution in Africa*.

Post-event feedback from attendees indicated that the audience's interest had been caught by these unusual topics not covered by TV and other media, and that the event had been instrumental to learn about the status of environmental pollution. Some respondents expressed their gratitude for this opportunity where members of the general public could enjoy high-level lecture content in an easy-to-understand way. The event highlighted the present situation of the environment and health from the different perspectives of a UN institution and researchers amid concerns about global contamination with environmental chemicals. It provided opportunities for attendees and members of the general public to consider challenges facing WHO and the CEHS/WHOCC as well as their responsibilities in efforts to achieve a safe, sustainable society.



A Lecture Given by Prof. Kishi



Audience Listening to the Lectures



CLARK THEATER 2015

Overview

Date Saturday, November 21, 2015 to Monday, November 23, 2015 **(Finished)**

Organizer Hokkaido University Theater Project 【Student Organized】

Venue Clark Memorial Student Center

Language: Japanese (No interpretation)

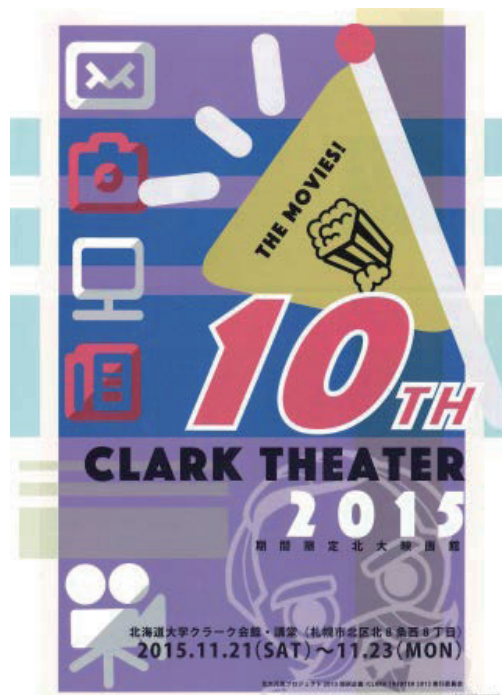
Intended Audience: Researchers, General public, College Students, High School Students,

Outline The Clark Theater will show outstanding films that will impact future generations based on the theme of leading. This is the 10th anniversary year for the Clark Theater.

This pop-up theater is operated to provide opportunities for students and citizens to learn and experience things together through the appreciation of films, which is in turn expected to support the creation of a sustainable society.

* Details and Pamphlets (Japanese Only)*

Click the picture below for the detailed information.



A Person in Charge	Mebuki Sotsuka, Sophomore, Department of Education
Registration	Not required
Fees	(Please check the details on the website or the pamphlet)
Contact	Hokkaido University Theater Project E-mail: info@clarktheater.jp
URL	http://www.clarktheater.jp/

Report

Clark Theater 2015 was held in the lecture hall in HU's Clark Memorial Student Center. This pop-up theater for students and members of the general public has annually been held since 2006, and this year's was the tenth such event. The members of the Hokkaido University Theater Project, comprising HU and other university students, selected films and ran the event as part of their efforts to establish a permanent movie theater at HU.

Films featured this year included Czech animated films, French movies, medium-length Japanese pictures and other films in a variety of genres. Public discussions with university professors and others were also held to promote in-depth understanding of films.

The event, held under the theme of "Leading," featured famous science fiction films that have led the film industry and movies about cutting-edge technologies that will play major roles in the industry. It provided information on the development of cinema and video technology, providing an opportunity to look back on film history while experiencing possible connections with the future. The event contributed to the creation of a sustainable society by creating a forum for communication that went beyond generations through the shared experience of watching films.

The event also offered a chance for a total of 2,125 people who visited the theater to learn about the advantages of films and the appeal of HU's having a cinema. Members of the Hokkaido University Theater Project intend to redouble their efforts to establish a permanent movie theater at HU through promotion of the appeal of Clark Theater and their activities.



Talk Show with Professors



Audience at the Theater



Group Photo of Organizer Students

Symposium : Center for Regional Economic and Business Networks: Future of Inbound Tourism in Hokkaido



Overview

Date	Saturday, November 21, 2015 (Finished)
Organizer	Center for Regional Economic and Business Networks (REBN)
Co-host	Center for Advanced Tourism Studies
Venue	Class room W103, Humanities and Social Sciences Research Building, Hokkaido University
Language: Japanese (No interpretation)	
Intended Audience: Researchers, General public, College Students,	
Outline	The Hokkaido tourism industry has been busy dealing with rapidly increasing numbers of visitors from outside Japan in recent years. It faces the long-term challenges of how to leverage the region's rich tourist resources in a way that will add value and diversification. This event will feature two speakers who have worked on these challenges for a long time, and their discussions will cover how to enhance regional appeal and promote local development along with members of the general public. The speakers' input will be based on their experience of tourist policy implementation in Switzerland and their contribution to tourism in Hokkaido in a foreign entrepreneurship role.

(Poster below is only in Japanese)



A Person in Charge	Kazuo Machino, Research Center for Economic and Business Networks, Graduate School of Economics and Business Administration, Hokkaido University
Registration	Not required
Fees	Free
Contact	Center for Regional Economic and Business Networks, Graduate School of Economics and Business Administration (REBN) Tsukada Kumiko(Ms.) TEL: +81-(0)11-706-4066 E-mail: sacade@econ.hokudai.ac.jp
URL	http://rebn.econ.hokudai.ac.jp/

Report

On November 21, the Center for Regional Economic and Business Networks (REBN) of HU's Graduate School of Economics and Business Administration held this symposium, titled *Tourism and Regional Revitalization in Hokkaido: Beyond Inbound Tourism*, with HU's Center for Advanced Tourism Studies (CATS) as the co-host. The event was held in partnership with the Hokkaido Government, the Sapporo Municipal Government, the Development Bank of Japan, North Pacific Bank and Hokkaido Tourism Organization in HU's Humanities and Social Sciences Research Building (Class Room W103). Although it was the first day of three consecutive holidays, the event attracted as many as 140 people consisting mainly of members of the general public.

The symposium featured Mr. Xianglu Zhang, President-Director of Hokkaido China Work Co., Ltd. and CEO of Premium Hokkaido Co., Ltd., and Mr. Keiichiro Yamada, President of JTIC. SWISS, a visiting associate professor at CATS and a Local Ambassador for Tourism designated by the government of Japan. Mr. Zhang spoke on *Inbound Business Opportunities in Hokkaido*, and Mr. Yamada on *Foremost Regions around the World*. Sharing plenty of interesting examples, the speakers illustrated how important it is for Hokkaido regions to enhance what they have to offer and enrich the lifestyles of local residents in order to use the rapid increase in the number of overseas tourists to Japan for the survival and further development of these regions.

The second half of the symposium was a panel discussion featuring both speakers as well as Visiting Professor Hidetoshi Kobayashi of CATS. It was moderated by REBN Director Kazuo Machino. Based on the speeches given in the first half of the symposium and a commentary by Professor Kobayashi, substantial discussions (including question-and-answer exchanges with the audience) were held on what the tourism industry, the government and local residents should do to enhance the quality of tourism and enrich local lifestyles.



Lecturers at the Panel Discussion Session



A Lecture Given by Mr. Zhang



A Lecture Given by Mr. Yamada

Overview

[illegible]

A Person in Charge	Eijun Senaha, Graduate School of Letters, Hokkaido University
Registration	Not required
Fees	Free
Contact	Center for Applied Ethics and Philosophy TEL: +81-(0)11-706-3060 E-mail: caep@let.hokudai.ac.jp
URL	http://ethics.let.hokudai.ac.jp

Report

At this forum the significance and challenges of introducing a civil partnership system in local governments were discussed. Attendees (an activist, a supporter, a lawyer and researchers) examined the enactment of the civil partnership act by local governments from various viewpoints, including human rights, relevant trends in Japan and elsewhere, and the revitalization of local economies. They also discussed with audience members the roles that universities should play in such undertakings and how people can help to create a sustainable society in this regard.

A civil partnership system – one of the most attention-grabbing new initiatives these days – allows local governments to recognize marriage of same-sex couples who meet certain requirements. Tokyo's Shibuya Ward enacted an ordinance on same-sex partnerships in March 2015 and published certificates recognizing same-sex partnerships on November 5. In a similar development, media reported in July of the same year that Setagaya Ward would accept partnership oaths by same-sex couples and issue papers authenticating the couples. These are not legally binding, and responses to the system in Japan are varied:

some argue that the system is necessary to protect and guarantee the fundamental human rights of sexual minorities, while others maintain that it should be used to revitalize society as a whole.

The forum featured three panelists and one commentator. The panelists were Ms. Fumiko Suda, a member of the Sapporo Bar Association and the representative of Suda Fumiko Law Office; Dr. Ken Suzuki, Professor at Meiji University's School of Law and Emeritus Professor of Hokkaido University as well as the founder of the Hokkaido Sexual Minority Association (a citizen's group supporting LGBT people); and Dr. Kazuko Tanaka, former professor at International Christian University (ICU), the first Director of the ICU Center for Gender Studies, and the representative of her personal business, Ferment, which promotes participatory learning based on theories in gender and sexuality studies. The commentator was Dr. Yoshiharu Ishii, Professor and Dean of the Hokkaido University Public Policy School (HOPS), whose main research interests include independent regional development,

decentralization and public-private partnership. The event was moderated by Professor Eijun Senaha of HU's Center for Applied Ethics and Philosophy (CAEP).

The event included exchanges of opinions among the attendees on the introduction of a civil partnership system, including recent challenges, medium- and long-term objectives and strategies, and also generated lively question-and-answer exchanges with audience members. The event was announced in the Asahi Shimbun and the Mainichi Shimbun, major Japanese newspapers, as well as the local Hokkaido Shimbun newspaper, and a post-event article including photographs was published in the Hokkaido Shimbun newspaper.



Group Photo of the Participants



Panel Discussion Session



Activity Report Meeting, Exhibition: GD Cafe 3rd, and Pre-Event

Overview

Date	Saturday, November 28, 2015 (13:30-16:30) (Finished)
Organizer	Hokkaido University Library (UN Depository Library)
Co-host	Office of International Affairs, Hokkaido University
Partners	Japan International Cooperation Agency Hokkaido International Center (JICA Hokkaido) (TBA), Hokkaido Prefecture, Sapporo International Communication Plaza Foundation, The Japan United Nations Association Hokkaido Chapter
Venue	Open area, Main bldg., Hokkaido University Library
Language: Japanese (no interpretation)	
Intended Audience: General public, College Students, High School Students,	
A Person in Charge	Hiroaki Toyoda, Hokkaido University Library
Registration	Required (Registration Closed)
Fees	Free
Contact	Hokkaido University Library (UN Depository Library) NAGASHIMA Takeo (Mr.) TEL: +81-(0)11-706-3615 E-mail: cref@lib.hokudai.ac.jp
URL	http://www.lib.hokudai.ac.jp/2015/11/05/35297/

Report

The GD Café 3rd meeting, titled *Activity Report Meeting for the UN Forum's Sri Lanka Study Program: Consideration of the World's Future and My Future based on the SDGs*, was held

on November 28 in the open area (known as “learning commons”) of the main building of Hokkaido University Library.

GD Café is a public lecture meeting with speakers engaged in international cooperation and is occasionally held by Hokkaido University Library in its role as the only United Nations Depository Library in Hokkaido. The third event featured the UN Forum, a voluntary organization consisting of students and other individuals interested in the UN.

In the first section of the event, students shared information about their activities in the 2015 Sri Lanka Study Program, which was organized by the UN Forum to enable its members to visit the sites of UN projects. The second section featured a group discussion in which one of the students who made presentations during the first section served as the facilitator. One of the discussion topics was the Sustainability Development Goals (SDGs) approved by the UN in September 2015.

The event attracted 46 people, including students, school personnel, high school students and members of the general public. Post-event feedback from attendees indicated a high level of satisfaction, particularly with the discussion, and many commented that the event had demonstrated the importance of thinking for oneself.

The event provided an opportunity to think deeply about initiatives taken by the UN and other related organizations by encouraging active attendee participation in discussions, thereby producing certain positive results as the United Nations Depository Library. Pre-events held from November 10 to 28 included book and panel exhibitions on the SDGs and the display of photographs from the Sri Lanka Study Program.



Students Participating Discussion Session



Students and Professor in the Discussion Session



Group Photo of Student Participants



Beyond Border from the Periphery: The Shape of Transborder Theatre People in Japan and Korea

Overview

Date	Saturday, November 28, 2015 (12:30 Door open, 13:00-17:30) (Finished)
Organizer	Center for East Asian Media Studies, Research faculty of media and communication, Hokkaido University
Venue	Multi-purpose Middle lecture room, 3rd Floor, Information Education Hall, Hokkaido University
Language	Japanese / Korean (consecutive interpretation)
Intended Audience	Researchers, General public, College Students, High School Students,
Outline	This symposium is held to consider the meanings of local cultural communication with people involved in the trans-border theaters in Japan and South Korea. (Poster below is only in Japanese)

北海道大学サステナビリティウィーク 2015
日韓国交正常化 50 年記念シンポジウム

周縁から越える「境界」

— 日韓演劇人の越境のかたち —

日時 2015 年 11 月 28 日 (土)
13:00~17:30 (12:30 開場)

場所 北海道大学情報教育館 3 階
スタジオ型多目的中調義室
札幌市中央区北 17 条西 3 丁目
南北線 北 17 条駅より徒歩 10 分

中心からすれば、周縁は対応する政治的役割の
動向に過ぎないでしょう。しかし、地方からは
そこに政治的意味を添えてヒトとモノと文化が
立脚する境を築きあげてきます。
本シンポジウムは、北海道と大邱で日韓の演劇交
流に携わった人々を招き、関係者二役として日韓
の「演劇」を本格的な演劇交流の現場に導かれながら、
札幌の舞台が持つより多様な演劇面をとおして
今後の日韓演劇のあり方を模索します。

《第 1 部》 13:00~14:30

対談
森崎和江の思想から考える
日韓の未来
松井理恵 (北海道大学非常勤講師)
×
玄武岩 (北海道大学大学院助教授)

《第 2 部》 14:40~17:30

シンポジウム
日韓演劇人の越境のかたち
《パネリスト》
木村典子 (札幌市 プロデューサー)
キム・グァンボ (韓国 ソウル市劇団員)
宮田圭子 (札幌市 女優)
池田直隆 (DRAMA MISSION Z 代表 主宰)
《進行》 渡邊浩平 (北海道大学大学院教授)

言語：日本語・韓国語 (通訳あり)
事前申し込み：不要
参加費：無料

主催：北海道大学メディア・コミュニケーション研究部附属東アジアメディア研究センター
問い合わせ：東アジアメディア研究センター 庶務 係
TEL / 011-705-5143 E-MAIL / audience@rc.hokid.ac.jp

Registration	Not required
Fees	Free
Contact	Center for East Asian Media Studies, Research faculty of media and communication Haga (Ms.) TEL: +81-(0)11-706-5143 E-mail: eastasian2@imc.hokudai.ac.jp

Report

This symposium, titled *Beyond Border from the Periphery: the Shape of Transborder Theatre People in Japan and Korea*, was held by inviting individuals engaged in Japan-Korea theatrical exchanges in the regional cities of Sapporo and Osaka. Amid the ongoing political stalemate between Tokyo and Seoul, this event was aimed at exploring the future of bilateral relations looking at examples of steadily continuing cultural exchanges

The first section featured a public discussion between an HU faculty member and an outside researcher. They focused on the prospects of Japan-Korea relations based on the views of Kazue Morisaki, a writer who had published numerous books on coal mine labor and women's issues after World War II against a background of remorse for having been born in Korea under Japan's colonial rule.

The second section was a symposium featuring theatre people in Sapporo, Osaka and Seoul. Activities of two Japanese theatrical companies engaged in collaboration with their counterparts in Korea (Sapporoza of the Hokkaido Performing Arts Foundation and Drama Mission Z-go in Osaka) were introduced through videos. The attendees discussed their motivations to begin trans-border exchanges and the potential impact of the grassroots cultural exchanges on bilateral relations. The event attracted approximately 40 people, including HU faculty members, students and members of the general public.

As neighbors, Japan and Korea have historically enjoyed close relations in all areas, including the political, economic and cultural fields, and this will remain unchanged in the future. While studies are under way in various fields, the Research Faculty of Media and Communication plans to continue holding events where bilateral relations can be discussed from cultural perspectives, in particular.



Public Discussion Session



Panel Discussion Session



ILTS International Symposium on Low Temperature Science

Overview

Date Monday, November 30 - Wednesday, December 2, 2015 **(Finished)**

Organizer Institute of Low Temperature Science(ILTS), Hokkaido University

Venue Auditorium, 3rd Floor, Institute of Low Temperature Science Building

Language:English

Intended Audience:Researchers, College Students,

Outline This event will feature discussions by researchers and undergraduate/graduate students on recent outcomes of basic and applied research regarding various phenomena observed in the cryosphere and at low temperatures as well as related future outlooks.

The research areas involved are: (1) Water and the material cycle; (2) New frontier science relating to snow and ice; (3) Environmental biology; and (4) Natural science in the Pan-Okhotsk region.

* Brief Time Schedule *

Monday, Nov. 30: 13:00-18:00

Tuesday, Dec. 1: 9:00-18:00

Wednesday, Dec. 2: 9:00-12:00

* Program and Abstracts *

(You can check the details if you click the picture below.)

ILTS International Symposium on Low Temperature Science

Program and Abstracts



30 November – 2 December 2015

Auditorium

Institute of Low Temperature Science (ILTS)

Hokkaido University

A Person in Charge	Prof.Ralf Greve, Institute of Low Temperature Science, Hokkaido Univerisity
Registration	Required via website or e-mail (Due date: September 18, 2015)
Fees	Free
Contact	<p>Institute of Low Temperature Science</p> <p>Gen Sazaki(Mr.)</p> <p>TEL:+81-(0)11-706-6880</p> <p>E-mail: sazaki@lowtem.hokudai.ac.jp</p> <p>* Please send the application form(http://www.lowtem.hokudai.ac.jp/symposium.html) to symposium@lowtem.hokudai.ac.jp.</p>
URL	http://www.lowtem.hokudai.ac.jp/en/symposium.html

Report

HU's Institute of Low Temperature Science (ILTS) held the ILTS International Symposium on Low Temperature Science as part of the university's Sustainability Weeks 2015 program from November 30 to December 2, 2015 (in the auditorium on the third floor of the Institute of Low Temperature Science Building).

The aim of this symposium was to discuss recent outcomes and future outlooks of basic and applied research on scientific phenomena in cold regions and under low-temperature conditions – the main themes of ILTS.

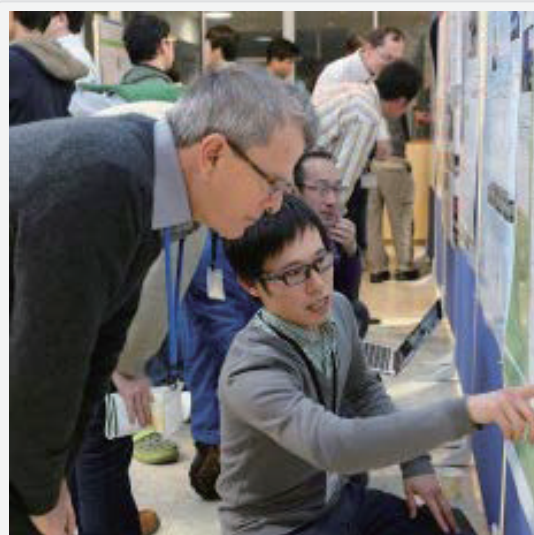
During the event, four sessions were held on (1) water and material cycles, (2) frontier ice and snow science, (3) environmental biology and (4) research on the Pan-Okhotsk region. All presentations were delivered in English.

The symposium attracted a total of 97 people (including 14 international researchers, graduate students and other individuals), including some from Germany, the US and Switzerland. Seven researchers invited from overseas universities/research institutes (e.g., University of Bremen, Swiss Federal Institute of Technology and Alfred Wegener Institute for Polar and Marine Research) also shared information on the latest research and provided other updates on activities outside Japan.

In regard to recent environmental issues, the positioning of cold regions in the context of global environmental changes has assumed increasing importance. Accordingly, this symposium turned out to be truly meaningful from a sustainability perspective.



Greeting at the Opening Session



Participants at the Poster Session



Group Photo of the Participants

International Symposium on the Creation of Sustainable Campuses 2015



Overview

Date Thursday, December 3, 2015 **(Finished)**

Organizer Office for a Sustainable Campus, Hokkaido University

Venue Conference Hall, Hokkaido University

Language: English-Japanese simultaneous interpretation

Intended Audience: Researchers, General public, College Students,

Outline In today's world, university campuses are increasingly taking on the role of forums for social learning. HU and other universities offering educational programs in sustainability science to help to resolve issues in the real world are combining knowledge from a variety of specialized fields with student ideas and social needs as part of their efforts toward greater openness to society.

What are the key triggers in such evolution? What are the secrets to mobilizing large organizations in this way? At this event, guests from the Massachusetts Institute of Technology (US), The University of British Columbia (Canada) and Nagoya University will speak about: (1) Team-building methods; (2) Roles of a sustainability office; and (3) Two-way strategies involving top-down and bottom-up commitment.

A panel discussion will include a look back on initiatives taken by HU since the 2008 Sapporo Sustainability Declaration (SSD) and consideration, along with members of the general public, of how universities can help to drive the development of a sustainable society.

International Symposium on the Creation of Sustainable Campuses 2015
サステイナブルキャンパス創成シンポジウム

持続可能な社会実現のための チーム・ビルディング

世界の課題に取り組む大学の新たな組織づくりとサステイナビリティー・オフィスの役割

Team building toward a sustainable future

New university regime for global issues and the role of a sustainable campus office

2015.12.3 Thu

13:30-18:05 Open 13:00

会場 北海道大学 学術交流会館 講堂
Conference Hall, Hokkaido University, Sapporo, Japan

開場時間

Open to public with simultaneous translation

- 主催 | 北海道大学サステイナブル・イニシアチブ推進部、後援
- 共催 | 一般財団法人日本学術財団
- 協力 | サステイナブル・イニシアチブ推進部・サステイナブル・イニシアチブ推進部
- 後援 | 北海道、札幌市、北海道立総合研究機構

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田中 喜紀 教授
北海道大学
学術交流会館
学術交流会館
Prof. Hidets Tanaka,
Hokkaido University

program

13:30-14:00 開場時間

14:00-16:05 開演時間

16:05-18:05 自由参加セッション

「持続可能な社会の創成とサステイナブル・イニシアチブ」の推進とサステイナブル・イニシアチブ推進部、2009 年度に設置されたサステイナブル・イニシアチブ推進部

◆ 開演

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13:30-14:00 Opening Remarks

14:00-16:05 Keynote speeches

16:05-18:05 Panel Discussion

Sustainable regimes for global issues and sustainable solutions

—Hokkaido University also hosts Sapporo Sustainability Celebration in 2008—

◆ Moderator

Prof. Noriaki Hasebe, Dean of Faculty of Economics, Hokkaido University

◆ Panelists

Dr. Jukka Nieminen, Monash University Institute of Technology, AUS

Prof. James Tanaka, University of British Columbia, Canada

Prof. Hidets Tanaka, Hokkaido University

Dr. Kazuo Kato, Director, Hokkaido University, City of Sapporo

Prof. Takanori Matsui, Vice President and Director of Hokkaido University

Prof. Kazuo Kato, Vice President and Director of Hokkaido University

A Person in Charge	Takashi Yokoyama, Office for a Sustainable Campus, Hokkaido University
Registration	Required (Online Registration Closed)
Fees	Free
Contact	Office for a Sustainable Campus TEL: +81-(0)11-706-3660 E-mail: osc@osc.hokudai.ac.jp

Report

This symposium was held under the theme *Team Building toward a Sustainable Future* as a platform for discussions on what strategies and organizations should be promoted at universities so that they can fulfill their roles in society.

The event featured three keynote speeches delivered from two perspectives: (1) the new role of university campuses as a forum for social learning, and (2) the value of university staff's involvement in local community affairs.

Dr. Julie Newman from the Massachusetts Institute of Technology (MIT) outlined how MIT views the strategy of sustainability in its role as a world-leading university and as an institution with a focus on engineering research and therefore with a large environmental footprint. She also illustrated how MIT had closely worked with the City of Cambridge in promoting the Kendall Square EcoDistrict project. Professor James Tansey of Canada's University of British Columbia (UBC) outlined the university's track record of collaboration in urban planning with the City of Vancouver, where a UBC campus is located. He also highlighted how the partnership included initiatives to reduce the environmental impact of the campus. In Japan, Nagoya University is known for its campus management organization involving the institution's executives, faculty and administrative staff as well as architectural environment-related laboratory staff. Specially Appointed Professor Hideki Tanaka of the university outlined the development of this organization and related achievements.

The panel discussion that followed the keynote speeches focused on how sustainability science should be incorporated in education and research – the main missions of universities – under the theme of *University Systems toward the Resolution of Global Issues and the Creation of a Sustainable Society: Initiatives Taken by Hokkaido University after the Adoption of the Sapporo Sustainability Declaration* (at the G8 University Summit in 2008). It was moderated by Professor Hiroshi Yoshimi, Dean of HU's Graduate School of Economics and Business Administration.



A Presentation by Prof. Newman



Audience Listening to Presentation by Prof. Tansey



Panel Discussion Session



HULT PRIZE @ HOKKAIDO UNIVERSITY

Overview

Date	Saturday, December 12th, 2015 (9:00-13:30) (Finished)
Organizer	Hult Prize Hokkaido Universities' Team
Co-host	I-Hop, Front Office of Human Resource Education and Development of Hokkaido University
Venue	Center for Food & Medical Innovation, Hokkaido University

Language: English (Consecutive interpretation)

Intended Audience: General public, College Students, High School Students,

Outline

What is Hult Prize?

Hult Prize is an international start-up accelerator driven by students and run by Hult Prize Foundation in Collaboration with Clinton Global Initiative (CGI). Every year students around the World compete at their schools and advance to the Finals in New York where the winners will be awarded with USD 1 Milion and be mentored by international business leaders.



HULT PRIZE
@ Hokkaido University (Japan)

What about Hokkaido University?

This year students of Hokkaido University (Japan) have the great opportunity to compete in their campus and the winning team will advance to the regional competition in United States. And above all, Hokkaido University is one of the only two (2) Japanese Universities to take part in this importante challenge

How is Hult Prize @ HOKKAIDO is related to sustainability?

In Hult Prize Contest, students are required to think deeply in communities needs and design a practical solution that will serve to promote human's lives while driving eacome to the Millions of Poor people without any alternatives. Students become problem-solvers for a more sustainable World: they learn to use their studies and research skills for a sustainable future. For example this year contestants (hokkaido universities students!) are requested to propose praticable ideas of social businesses that will adress the crowded urban spaces around the World. That is a great opportunity for students to be actively involved in the realization of the Sustainable Development Goals As it has been stated in the "Sapporo Sustainability Declaration" in 2008, "universities have an important role for problem-solving to bequeath a sustainable world for future generations" and students should participate in supportingHokkaido University in playing this important role.

Websites

HULT PRIZE@HU : <http://hultprizeat.com/hokkaido>

Facebook : <https://goo.gl/jpc5U1>

Hult Prize Official HP : <http://www.hultprize.org/>

A Person in Charge	Dicko Seydou, D2, Graduate School of International Media, Communication and Tourism studies
Registration	Required (Audience: via e-mail, Student applicants: via website or e-mail)
Fees	Free
Contact	DICKO SEYDOU D2, Graduate School of International Media, Communication and Tourism studies TEL: 080-4044-7198 E-mail: said_manga@yahoo.fr
URL	http://hultprizeat.com/hokkaido

Report

HULT @ Hokkaido competition was organized for the first time in Hokkaido University to promote Hokkaido University Internationally by engaging its large number of students through social entrepreneurship ideas and skills that may drive change around the World. The another purpose was to give Hokudai students an International platform allowing them to use more practically their researches, ideas and skills to give back to communities in needs in Japan and out of Japan.

We (Seydou Dicko, Kritika Poudel and Nanako Iwasa) had officially joined HULT Prize International Competition in October with the official hiring of the Campus Director as the organizer of this competition in Hokkaido University. In order to be considered as an official Quarterfinal Campus Competition, HULT Prize @ Hokkaido University needed to have at least 10 teams applying with each team three to four members. So, for the recruitment of members we conducted 2 information sessions.

The first Information Session had been successfully done on November 9th followed by Second Information Session on 24th November. We had 19 teams who have officially registered on the webpage but two teams had to withdraw their participation due to some reasons. We had total of 17 teams which constitutes of students from undergraduate, graduate and post graduate level that has diversities within them. These students were from different corners of the world and tried their best to solve the challenge of HULT 2016 Challenge “Crowded Urban Space”. They tried to address various issues like water, electricity, vertical farming kit, duckweed feeding, nanotechnology, garbage control etc. They were judged by 5 judges who were Mr. Ken Ichi Kosuna Chairman of Amino Up Chemical, Mr. Harvey Beasley Public Relations Officer, Consul at Consulate General of United States in Sapporo, Ms. Sayaka Watanabe CEO and Founder of Reterra, Ms. Suzuka Kobayakawa Faculty member of GLOBIS corporation, and Prof. Shin ichiro Nishimura Professor of Bioorganic Chemistry.

After having very fierce competition among 17 teams, “Awarka” team (Alameen Najjar, Bolorchimeg Byamba , Anarmaa Otgonbayar) was finalized as the winner. Their idea was about vertical kit farming. The second team was “Ganbarou kankyou” while “HXH” became third. The winners will be sent to Boston or San Francisco for Regional Competition. If they happen to win in regional level s well then during months of July/ August, the six regional finalists will attend the HULT Prize Accelerator, a six week program of intensive entrepreneurial seminars hosted by HULT International Business School. The HULT final will be in September at New York where President Bill Clinton along with CGI Meeting attendees will select and award the winning team with USD 1 Million prize. We were mentored by Prof. Miho Namba from Nitobe School and Prof. Iida from I-HoP for this session.

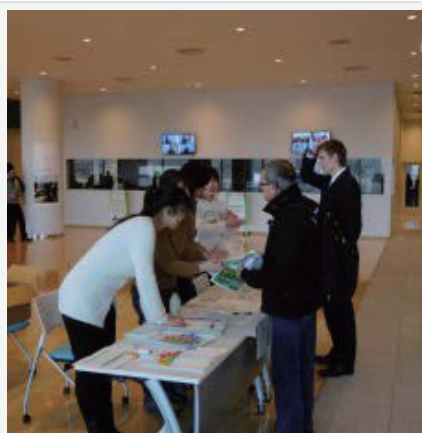
Now our next step will be to arrange and manage expenses so that we could send our winners for the regional competition either in Boston or San Francisco. For this, we are searching for sponsors who could invest in the air-fare as well as accommodation for the participants. We are willing to continue HULT@ Hokkaido in future as this is the international platform for students to share their ideas, opinion so that they could create sustainable society.



Presentation by the Winner Team
"Awrka"



Presentation by 2nd Place Team
"Ganbarou Kankyo"



Reception Desk by Students



All Participants and Judges of HULT
PRIZE@Hokkaido University

Protected: The 13th Hokkaido Indonesian Student Association Scientific Meeting -Science Progress for Humanity, Food Security, and Prosperity-

Overview

Date Saturday, March 5th, 2016 - Sunday, March 6th, 2016 8:30-17:30 **(Finished)**

Organizer Indonesian Student Association in Hokkaido (PPI Hokkaido)

Co-host Department of Regional Sciences, Faculty of Letter, Hokkaido University

Partners Kita Gas, Honorary Consulate for Indonesia

Venue W Building, Faculty of Letter, Hokkaido University

Language: English (English-Japanese Consecutive interpretation)

Intended Audience: Researchers, College Students,

Outline



In these recent years, the issue of sustainability and food security had been gained as main interests in our society. Along with technological development and rapid industrialization, a good management system of how to contribute the minimal impact to the ecosystems is required. Indonesia has some potential economic advantages in some areas such as agriculture, forestry, fishery, renewable and non-renewable natural resources, and also human resources. In accordance to these, good management and assessments are needed to ensure that these advantages become a mean to achieve sustainable economic development along with sustainable human living environment. Therefore, the contribution of scientific and technological ideas coming from Indonesian researchers in Japan is needed in order to achieve the sustainable live.

In the first day of conference, we will have keynote speakers and speech from Education Attache of Indonesian Embassy Japan then continued by oral presentation from each scope.

Scope 1: Social, Environment and Humanities
Scope 2: Food and Natural Sciences
Scope 3: Engineering and Future Technology

To recognize the most outstanding paper, committee will also reward Best Paper Award in each panel. The judging will be based on paper originality and novelty, potential impact on the field, clarity of the written paper, and quality of the oral presentation performance.

In the second day, we would like to have “Sapporo Learning Trip”, visiting the disaster prevention center of Sapporo and disaster prevention center Sapporo. This conference has already successfully held for 12 times, in next year would be 13 times. There are many young Indonesia students and researchers would participate and present about the sustainability problems in Indonesia. Even though, not only Indonesian students who will join this conference. We expect more international participants will join this year.

A Person in Charge	Laode Muh Yasir Haya , D2, Graduate School of Environmental Science, Hokkaido University
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Contact	M2, Graduate School of Agriculture, Hokkaido University
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Report

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