



HOKKAIDO UNIVERSITY

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3. Report of Sustainability Weeks 2011

Hokkaido University Sustainability Weeks 2011 REPORT



Reconsidering Visions
for
a Sustainable Future



HOKKAIDO UNIVERSITY



United Nations
Educational, Scientific and
Cultural Organization

With the Support of
UNESCO

Sustainability Weeks 2011

A Cooperation Platform for the World

Academics, researchers, students
and people from all walks of life
gathered and reconsidered visions for a
sustainable future.



DATA

The 5th Sustainability Weeks

October 24 - November 6, 2011

Number of events: **47**

36 events during the Sustainability Weeks period
9 pre-events 2 post-events (incl. 8 hosted by students)

Hokkaido University Sustainability Research Poster Contest

Number of participants: 105 (92 teams) [9 undergraduate students
46 students in master's degree programs
50 students in doctoral degree programs
(Number of undergrad. & grad. schools: 13)

Number of judges: 166 (89 students & 77 faculty members)

Number of
website visitors: **39,116**
(April 4 - November 30, 2011)

Number of
participants: **9,895** (incl. 260 from overseas)

Number of archive
viewers in a month: **6,288**

Number of events jointly held with
partner institutions: **7**

Korea

Seoul National University
Kongju National University

Nepal

Tribhuvan University

Finland

University of Oulu
University of Lapland
University of Helsinki

Italy

Politecnico di Torino

Number of participants
from partnership institutions:
51 (24 institutions in 12 countries)

- China: Peking, Beijing Normal, The Chinese University of Hong Kong
- Indonesia: Palangka Raya, Gadjah Mada
- Philippines: De La Salle
- Korea: Korea University
- Russia: Sakhalin State, Far Eastern Branch Russian Academy of Sciences
- Sri Lanka: Peradeniya
- Switzerland: Swiss Federal Institute of Technology Zurich, Geneva
- Thailand: Mahidol, Kasetsart
- USA: Portland State, Oregon, Texas Health Science Center at Houston

Voices from Participants

I came to understand the importance of reconsidering energy policies and taking precautionary measures against natural disasters in the wake of the Great East Japan Earthquake.

I expect Sustainability Weeks to keep on getting better and better each year.

It was a great opportunity to build an international cooperative network for a sustainable society.

Toward sustainable society, the current education policy that only a single discipline solves a problem has its limitations. In that sense, I think Hokkaido University advances in its connection across the disciplines.

I expect Sustainability Weeks to keep offering an important opportunity to communicate with specialists and the public.

LIVING IN RISK

LIFE

Seeking the best measure to prevent and recover from natural and human disasters that occurs frequently all over the world.



6 EVENTS

Advanced Technology and Management System for Health

Oct 16(sun.)

Commemorating the establishment of the Department of Health Sciences in April 2011, this public seminar attracted more than sixty individuals from the general public. Researchers introduced approaches to utilize advanced technology in medicine and highlighted research to evaluate mental health with brain activity measurement technology and remote health services using the internet.



Prof. H. Chiba, Faculty of Health Sciences

Public Lecture -Towards the Formulation of Sustainable Urban Infrastructure Systems

Oct 31(mon.)



Prof. T. Hagiwara, Faculty of Engineering



Research groups from Hokkaido University and the University of Tokyo organized this public lecture to promote discussions with 180 people from the general public, researchers, technical experts and those involved in policy making in the wake of the Great East Japan Earthquake. This lecture highlighted the need for the establishment of sustainable urban infrastructure systems for safe living environments.

Participants gathered from across the nation

The Symposium on Environment and Energy

Nov 3(thu.)

In the wake of the Great East Japan Earthquake and the catastrophe at Fukushima Daiichi Nuclear Power Plant, Japan arguably requires a change in its energy policy. In collaboration with the Ministry of the Environment, faculty members of Hokkaido University organized this symposium to discuss the great potential in Hokkaido -a region considered to have abundant resources of renewable energy. The symposium was attended by more than 260 people including members of the general public, NPOs, companies, and those involved in policy making.



Prof. F. Yoshida, Graduate School of Economics and Business Administration led discussions

Opening Ceremony

Oct 24(mon.)

Sustainability Weeks 2011 started with an address made by Hokkaido University President Hiroshi Saeki, in which he expressed his deepest sympathies to all those affected by the Great East Japan Earthquake, and that he recognizes the need for higher education institutions to play leading roles toward the establishment of a sustainable society in which we live alongside the forces of nature. The ceremony was broadcast live on the internet and attracted over one hundred viewers from all over Japan.



Banner located at the main gate



Hiroshi Saeki, President of Hokkaido University



Live broadcast on the internet

GiFT



Executive and Vice President T. Hondoh, Chair of the Sustainability Weeks 2011 Executive Committee

University Sustainability Weeks 201

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.

12 EVENTS

International Symposium on Modern Society & Human Health: Tangling Structures in Lifestyles

Oct 26(wed.)

With researchers from Peking University and Seoul National University-Hokkaido University's partner institutions, the symposium focused on health issues in Japan, China and South Korea considering lifestyle and social environment differences. Finding the common challenges such as diabetes, metabolic syndrome, low physical fitness and stress-related suicides, over seventy participants reaffirmed the continuous collaboration in research among the three countries.



A very active panel discussion

International Symposium on Sanitation Challenge in Sub Sahara

Oct 28(fri.)



H.E. Minister L. Sedogo

With the attendance of H.E. Dr. Laurent Sedogo, Minister of Agriculture, Water and Fisheries, Burkina Faso, the symposium attracted 120 people including researchers, grad students and JICA officials. Focusing on elimination of waterborne diseases, it held research presentations on urine and its use; water treatment; policies and social aspects; and composting feces and its use. Based on the outcomes of this symposium, pilot experiments are scheduled for implementation in Burkina Faso.

Forum on Population Ageing and Sustainable Development

Nov 4(fri.)

Aiming to search new approaches and paradigms for realizing a healthy aging society, grad schools of Hokkaido University hosted an intensive seminar for students of HU and Politecnico di Torino in Italy. It was followed by a public forum that attracted 308 people as well as experts from medicine, demographics, sociology and welfare engineering. Researchers from Italy, South Korea, Switzerland, Sri Lanka, Thailand and Japan reported on the current status and future prospects concerning the aging societies of their respective nations.



Presenters and organizers after a well-received forum successful forum

Oct 30(sun.)

The Sustainable Campus International Symposium



Hokkaido University Sapporo Campus (outlined in yellow)

Hokkaido University Sapporo campus accommodates more than twenty thousand people during the day. The Office for a Sustainable Campus aims to turn the campus into a role model for a sustainable society. With an aim to share experiences and future challenges, the Office hosted a symposium and invited representatives of institutions at the forefront of sustainable campus development in the U.S. and Japan. Reports from Portland State Univ., the Univ. of Oregon, Stanford Univ., the Univ. of California, Berkeley, and four other Japanese universities attracted over 160 people from the general public, researchers, and technical experts in facilities. The second symposium will be held with representatives from Europe next year.



Experts in sustainable campus

The Global Issues Forum for Tomorrow was held as a new Hokkaido University initiative aimed at supporting undergraduates and high school students to further explore their own specialized areas of study and research. 12 young researchers made presentations on global issues and their solutions to them. The issues they raised were: infectious disease control, development of energy conservation technology, understanding wars as culture, deliberation enhancement. Their 15-minute presentations with English subtitles are available on the internet.

Archives:

<http://www.sustain.hokudai.ac.jp/GIFT/archive.php>

Following the Great East Japan Earthquake and nuclear power plant disasters, the theme of this year's was set as "Future". Various issues such as risk management, health, energy, harmony with nature and education were highlighted. Concerns such as global warming, aging society and social inequalities were discussed.

HARMONY WITH NATURE



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

15 EVENTS

Oct 22 (sat.)

Presentation & Debate Competition

To make Sapporo city sustainable, 15 teams of students presented their own transportation designs based on various modes of transportation, including bicycle, bus, taxi and even underground waterways and faced off against their competitors in an exciting debate. After eight hours, the first place went to a joint team of students from the Faculty of Engineering, the Graduate School of Veterinary Medicine and the School of Law. Unique ideas and many incoming questions made it an exciting event.



Enthusiastic presentation attracted the audience

Nov 5 (sat.) - 6 (sun.)

The International Meeting of the Amur-Okhotsk Consortium



Q & A session with simultaneous interpretation in JPN, CHN and RUS

With the aim of environmental conservation and sustainable development, presenters from Japan, China, Russia and Mongolia shared academic data on the Amur River basin and the Sea of Okhotsk. This meeting was attended by 220 individuals from the general public, universities, research institutes and government organizations. A program of joint observation and navigation on the Amur River by the four countries is scheduled for 2012, and the third international meeting is scheduled for 2013 in Russia.

Nov 5 (sat.)

Workshop on Vulnerability, Resilience and Sustainability Of Asian Land Systems

With the participation of the President as well as researchers of Tribhuvan University, Nepal, this workshop was attended by 50 people from home and abroad. Presentations of research on land-use and land-coverage change in Nepal, China and Japan led to a number of additional deliveries and in-depth discussions. This workshop laid a foundation for the symposium on mountainous environments in Asia that will be held in Kathmandu by our two universities.



Prof. T. Watanabe Faculty of Environmental Earth Science

Oct 26 (wed.)

Hokkaido-Finland Days



campus development



H.E. Ambassador Jari Gustafsson with full audience participation



Dr. Heikki Mäkipää, Director of The Finnish Institute in Japan

The Opening Session

Oct 28 (fri.)

The Finnish Institute in Japan opened an office on the campus of Hokkaido University with a view to boosting exchanges between Finland and Hokkaido in the area of science, art and culture. The Hokkaido-Finland Days was held to commemorate the opening. The first session of the six-day event was attended by H. E. the Ambassador of Finland to Japan Jari Gustafsson, representatives of the Univ. of Oulu, the Univ. of Lapland, the Univ. of Helsinki, and more guests who all showed their anticipation for further cooperation between the two countries.

Northern Environmental Research Symposium

Oct 31 (mon.)

Since 2008, an annual joint Japanese-Finnish symposium has been held to share research outcomes on northern environments. This year's addressed research themes on which Finland and Hokkaido can work together regarding the environmental impacts of rapid climate change in northern regions. HU's establishment of an office on the University of Helsinki's campus in 2012 is expected to boost collaborative efforts toward the resolution of northern issues.

LEARNING FOR FUTURE



14 EVENTS

Velotaxi: Ride and Think for Sustainability

Oct 24(mon.)-Nov 6(sun.)

With the cooperation of Hokkaido Green Purchasing Network, Velotaxis, eco-friendly cycle rickshaws, were operated on the Sapporo Campus by grad students of Environmental Science. A total of 918 tourists and locals took Velotaxi rides during the two-week period and enjoyed having a casual chat with the driver concerning the true meaning of Sustainability Weeks. Passengers were able to leave messages on leaf-shaped stickers which were then placed on the rickshaws expressing their own green efforts.



A Velotaxi decorated with autumn colored fallen-leaf stickers



SD on Campus

Oct 31(mon.)

Hokkaido University has kept inviting overseas partner institutions that actively engage in realization of a sustainable society since 2008. This year, HU invited representatives from Beijing Normal University (China), De LA Salle University (the Philippines), Korea University (South Korea), Mahidol University (Thailand) and Swiss Federal Institute of Technology. They outlined their excellent



A medical student asking programs in detail



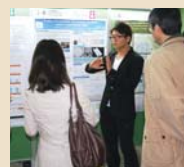
Representatives answering questions

educational programs and student activities for sustainable development, which attracted 46 students interested in study overseas and faculty members supporting those students.

The Third Sustainability Research Poster Contest

Oct 25(tue.)-Nov 7(mon.)

105 students (92 teams) from 10 graduate and 3 undergraduate schools participated in this contest, which aimed to offer an opportunity to review and present current research projects from the viewpoint of creating a sustainable society. 166 faculty



Presentation session

Award ceremony with award nominees and winner



members and students examined posters and presentations as judges. Six outstanding presenters received the HU Sustainability Research Poster Award.

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

International Symposium on Tourism and Landscape in the North

Nov 1(tue.)

This symposium dealt with the development of tourism and highlighted the history and culture of indigenous people in northern regions. Discussions also focused on issues facing indigenous peoples in relation to today's rapid social and climatological changes that affect landscape and land use. The symposium served as a platform for researchers in Japan and Finland to build new structures for collaboration.

International Symposium on Indigenous People and Education

Nov 2(wed.)

This symposium concerned research on the indigenous knowledge transmission in Hokkaido, Finland and Norway. Speakers from the three countries reported on challenges of education and the role of the media, especially FM radio broadcast, to preserve indigenous languages. Some activities such as a student exchange program and a language seminar were discussed for future possible collaboration.



Speakers and staff of The Finnish Institute in Japan Hokkaido Office and the Center for Ainu and Indigenous Studies

Call for Engagement in SW2012

Hokkaido University is searching for academic organizations and research institutes that can collaborate some events in the Sustainability Weeks 2012. The Secretariat for Sustainability Weeks is awaiting your proposal.

Examples of Collaborations

- To co-host a conference
- To co-host an open lecture for the public
- To co-host the Sustainability Weeks event abroad
- To exchange students and faculty members

Secretariat for Sustainability Weeks
Hokkaido University Office of International Affairs
office1@sustain.hokudai.ac.jp

List of Events

Date	Title	Organizer	Co-host
Sep 25 (Sun.)	International Symposium on East Asia and the New Potential of Media	Center for East Asian Media Studies, HU	Research Faculty of Media and Communication, HU
Oct 16 (Sun.)	Advanced Technology and Management System for Health	Faculty of Health Sciences, HU	Sapporo Bio Cluster "Bio-S" (NOASTEC FOUNDATION)
Oct 19 (Wed.)-27 (Thu.)	Radio Program: What is Sustainability?	Hokkaido University	
Oct 21 (Fri.)-22 (Sat.)	Student Organized WSEN Summit in Hokkaido University	WSEN in Hokkaido University organize committee	Center for Sustainability Science (CENSUS), HU
Oct 22 (Sat.)	Special Lecture "History of the radiotherapy of cancer and Cutting-edge research"	Funding Program for World-Leading Innovative R&D on Science and Technology (FIRST)	The Hokkaido University Museum
Oct 22 (Sat.)	Risk Diversification in Modern Society and Environmental Education	Center for Sustainability Science (CENSUS), HU	Akita University; Ministry of Education, Culture, Sports, Science and Technology-Japan
Oct 22 (Sat.)-23 (Sun.)	RiRiC Project: Genetically Modified Foods and the Community	The management committee on the RiRiC version's GM jury	Research Faculty of Agriculture, HU
Oct 22 (Sat.)	The 8th Presentation & Debate Competition	School of Economics and Business Administration, HU	
Oct 23 (Sun.)	Reconstruction of Disaster-Affected Areas and Human Resource Development - The Possibility of Building Sustainable Societies Through Social Entrepreneurship	Center for Sustainability Science (CENSUS), HU	
Oct 24 (Mon.)	Opening Ceremony	Hokkaido University	
Oct 24 (Mon.)-Nov 6 (Sun.)	Student Organized Ride and Think for Sustainability in Hokkaido Univ.	IFES-GCOE Regional Education and Outreach Promotion Office, HU	Hokkaido Green Purchasing Network; NonProfit Organization EcoMobility SAPPORO
Oct 25 (Tue.)-Nov 7 (Mon.)	The 3rd Hokkaido University Sustainability Research Poster Contest	Hokkaido University	
Oct 26 (Wed.)	Sustainable Campus International Symposium 2011	Office for a Sustainable Campus, HU	
Oct 26 (Wed.)	Modern Society & Human Health: Tangling structure in lifestyle	Center for Environmental and Health Sciences, HU	Faculty of Education, HU; Faculty of Health Sciences, HU; Graduate School of Medicine, HU
Oct 26 (Wed.)	JSPS Invitational Seminar for East Asian Young Researchers SUSTAINED INTERNATIONAL EXCHANGE THROUGH STOMATOLOGY	Graduate School of Dental Medicine, HU	Japan Society for the Promotion of Science (JSPS); The Alumni of Department of Orthodontics, HU
Oct 26 (Wed.)-Nov 5 (Sat.)	Student Organized Fair Trade Fair vol.8	international cooperation student association "yui"	
Oct 27 (Thu.)	Expert Conference for 'Sustainable Campus Basic Plan and Action Plan' Overall Assessment System	Office for a Sustainable Campus, HU	
Oct 27 (Thu.)	ESD Symposium--Tackling Social Disparity	Graduate School of Education, HU	Seoul National University; Kongju National University
Oct 27 (Thu.)-28 (Fri.)	Japan Ceramide Society Annual Meeting	Japan Ceramide Society	Faculty of Advanced Life Science, HU; Sapporo Bio-S
Oct 28 (Fri.)	Opening Session for Sustainable Collaboration	The Finnish Institute in Japan Hokkaido Office	Hokkaido University
Oct 28 (Fri.)	International Symposium: Sanitation Challenge in Sub Sahara- The 2nd AMERI-EAUR International Workshop on Sustainable Water and Sanitation System / The 8th International Symposium on Sustainable Sanitation	Faculty of Engineering, HU	JST; JICA; 2IE; Ministry of Agriculture, Burkina Faso
Oct 29 (Sat.)	International Symposium on Work-Life-Balance	Center for Applied Ethics and Philosophy, Faculty of Letters, HU	
Oct 29 (Sat.)-30 (Sun.)	Community Care Forum	Hokkaido Community Care Society	Medical statistics and Healthcare Systems Research, Graduate School of Medicine, HU
Oct 30 (Sun.)	GIFT2011 Global Issues Forum for Tomorrow	Hokkaido University	
Oct 30 (Sun.)	Student Organized Candleize2011	SCSD (The Students Council for Sustainable Development in Hokkaido University)	
Oct 30 (Sun.)	Panel Discussion and Demonstration for Promoting Green Purchasing	Hokkaido Green Purchasing Network	Lab of Environmental Social Psychology, Department of Behavioral Science, Graduate School of Letters, HU
Oct 31 (Mon.)	Invitation to Study-Aboard Programs: SD on Campus	Office of International Affairs, HU	
Oct 31 (Mon.)	Northern Environmental Research Symposium	The Finnish Institute in Japan Hokkaido Office	Institute of Low Temperature Science, HU
Oct 31 (Mon.)	Towards the Formulation of Sustainable Urban Infrastructure Systems	Division of Field Engineering for the Environment and Division of Engineering and Policy for Sustainable Environment, Faculty of Engineering, HU	International Center for Urban Safety Engineering, The University of Tokyo
Nov 1 (Tue.)	Symposium on Tourism and Landscape in the North	The Finnish Institute in Japan Hokkaido Office	Center for Ainu and Indigenous Studies, HU; Center for Advanced Tourism Studies, HU
Nov 2 (Wed.)	Symposium on Indigenous People and Education	The Finnish Institute in Japan Hokkaido Office	Center for Ainu and Indigenous Studies, HU
Nov 2 (Wed.)	Business-Academia-Government Collaboration Seminar on Developments of Geo-Spatial Information	Graduate School of Letters, HU	Geospatial Information Authority of Japan, Ministry of Land, Infrastructure, Transport and Tourism, GIS Association of Japan Hokkaido Regional Office, Hokkaido GIS/IPS Society, Non-profit Organization "Digital Hokkaido"
Nov 2 (Wed.)-4 (Fri.)	Playing, Learning and Working : Studies for Supporting Sustainable Development	Research and Clinical Center for Child Development, Graduate School of Education, HU	
Nov 2 (Wed.)-6 (Sun.)	Student Organized CLARK THEATER 2011	Hokkaido Univ. Theater Project 2011	
Nov 3 (Thu.)	Welcome to the World of Health Science: A Revival from the Earthquake Disaster	Faculty of Health Sciences, HU	
Nov 3 (Thu.)	Symposium on Environment and Energy - Earthquake Disaster Revival, Renewable Energy and the Potential of Hokkaido	Public Policy School, HU; Hokkaido Low-Carbon Society PT	Hokkaido Regional Environment Office, Ministry of the Environment
Nov 4 (Fri.)	Population Ageing and Sustainable Development-New Approaches and Paradigms	Graduate School of Medicine, HU	Hokkaido University Graduate School of Engineering
Nov 4 (Fri.)	Documentary Film Premier Preview in Sapporo "Messages from Taiga"	Global Environmental Forum	Graduate School of Engineering, HU
Nov 4 (Fri.)	International Workshop on Green Circuits and Systems	Center for Next-Generation Information Technology Based on Knowledge Discovery and Knowledge Federation, HU	
Nov 5 (Sat.)-6 (Sun.)	The 2nd International Meeting of Amur-Okhotsk Consortium	Institute of Low Temperature Science, HU; Slavic Research Center, HU; New Energy Resources Research Center, Kitami Institute of Technology; Research Institute for Humanity and Nature	Global COE program "Reshaping Japan's Border Studies" HU; Hokkaido Regional Development Bureau; Hokkaido Institute of Environmental Studies; Hokkaido Fisheries Environmental Center
Nov 5 (Sat.)	GLP-Sapporo Open Workshop: Vulnerability, Resilience and Sustainability of Asian Land System	Global Land Project Sapporo Nodal Office	Tribhuvan University; International Network and Training Office of IFES-GCOE
Nov 5 (Sat.)	The 15th Ainu Language Speech Contest 'ITAK AN RO' - Let's make a speech in the Ainu Language.	The Foundation for Research and Promotion Ainu Culture	Center for Ainu and Indigenous Studies, HU
Nov 5 (Sat.)-6 (Sun.)	Student Organized Nobel Prize Chemistry Award Commemoration Program HU Short Film 3rd Screening & Talk Show With Dr. Akira Suzuki	Hokkaido Univ. Short Film Committee	Hokkaido Univ. Theater Project 2011
Nov 6 (Sun.)	Public Forum, "Glacier Changes and Disaster: Himalayan Perspectives on Global Warming"	Faculty of Environmental Earth Science, HU	Tribhuvan University; Global Land Project Sapporo Nodal Office; International Network and Training Office of IFES-GCOE
Nov 6 (Sun.)	Student Organized Sustainable Campus Contest	SCSD (The Students Council for Sustainable Development in Hokkaido University)	
Dec 3 (Sat.)	The Science of Pain	Graduate School of Dental Medicine, HU	
Dec 3 (Sat.)	Student Organized Maki café	Project Design Center Incorporated	Hokkaido Low-Carbon Society PT



To fulfill the Sapporo Sustainability Declaration, Hokkaido University serves as a driving force for policy, society and academia to evolve together toward global sustainability.

HUISD

Hokkaido University Initiative for Sustainable Development

Education

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Research

•

University Management

ACCESS <http://www.sustain.hokudai.ac.jp/huisd/>

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