



Title	Hokkaido University Sustainability Weeks 2010 : Annual Report : For our well-being Toward a Sustainable Society
Issue Date	2017-03
Doc URL	http://hdl.handle.net/2115/65260
Type	report
Additional Information	There are other files related to this item in HUSCAP. Check the above URL.
File Information	chapter-2.pdf ()



[Instructions for use](#)

2. Websites of the Events and Activities

Public Lecture: Fertility and Sustainable Future



Overview

Date	September 25 (Sat.) 15:00~17:30 (Finished)
Organizer	Hokkaido University
Co-host	University of Geneva
Venue	Hokkaido University Conference Hall
Language: English/Japanese (Interpretation will be provided)	
Intended Audience: researchers, general public, college students	
Outline	This is a public lecture on the theme of sustainable development and health. Speakers, including overseas university researchers, will explain sustainable development from the viewpoint of healthcare. Special focus will be placed on Japan's falling birthrate in the context of parallel experiences of other industrialized countries. This lecture will examine factors contributing to low birthrates by comparing international experiences and will highlight their implications for creating a sustainable society. We look forward to the participation of the general public and high school and university students who are interested in the relationship between health and society in terms of our immediate surroundings and the world as a whole.
Registration	Not-required
Fees	Free
Program	>> Download Poster >> Download Program
Contact	Department of Global Health and Epidemiology, Graduate School of Medicine, Hokkaido University FAX: +81-(0)11-706-7374 E-mail: sw2010[at]ghe.med.hokudai.ac.jp

Report

Since 2009, Hokkaido University and its overseas partner institutions have been involved in an international consortium that conducts joint research into the socio-cultural aspects of health in the context of sustainable development. Particular focus is placed on fertility in relation to declining birthrates from global as well as national perspectives. In 2010, Hokkaido University held an international symposium entitled Public Lecture: Fertility and Sustainable Future for Japanese researchers and members of the general public. Experts from universities and research institutions at home and abroad were invited to speak on low birthrates and population issues, and a lively discussion on what sustainable development means from the viewpoint of healthcare took place.

Experts from Japan, South Korea, and Switzerland offered examples of rapidly declining birthrates from their own countries. The speeches ranged from, “Japan’s low fertility: current status, issues, and perspectives”, to “Very low fertility in Korea: is it a challenge or an opportunity for future sustainability?”, and “Is low fertility related to sustainability in Switzerland?” After these speeches, other invited experts from the U.S., Thailand, and Sri Lanka gave short presentations. After the speeches and presentations, all the speakers joined in a discussion on how to establish a sustainable society in this age of declining birthrates. The chairperson presented the following four topics to serve as a base for future discussion:

1. Improved health conditions and subsequent longevity have had the effect of emphasizing cultural and human aspects of society;
2. Longevity and longer periods of health stem largely from the development of the public health system and the efforts of medical professionals;
3. Societies’ expectations for accelerated use of resources are reflected in the economy and households;
4. Declining birthrates are due to the domestic and international migration of people and families.

Last but not least, it is a significant achievement that lively discussions on declining birthrates and a sustainable future took place during Sustainability Weeks 2010 with members of the general public and experts at home and abroad; in the future, discussion on aging societies can be expected to enhance the discussion toward the creation of a sustainable future.



audience participation



the panelists



Science Café: “Shirabekata” on Earth Vol.1- Vol.3

Overview

Date	October 13 (Wed.) – 15 (Fri.) 18:30~ (Finished)
Organizer	IFES-GCOE Regional Education and Outreach Promotion Office, Hokkaido University
Venue	Sapporo 55 bldg. 1F Inner Garden (Books Kinokuniya Main Entrance) North5. West5, Sapporo
Language: Japanese	
Intended Audience: general public, college students, high school students	
Outline	<p>What does biodiversity mean? Why is it important? What related movements are under way around the world? These questions related to ecosystems and more will be answered by scientists for the general public.</p> <p>This event is an offer opportunity for Sapporo locals to converse with scientists on a daily changing topic prior to the 10th Conference of Parties to the United Nations Convention on Biological Diversity (COP10) – a government-level international conference scheduled to take place in Nagoya from October 18 to 29. We look forward to the participation of junior and high school students, university students, and members of the general public.</p>
Registration	Not-required
Fees	Free
Contact	<p>IFES-GCOE Regional Education and Outreach Promotion Office, Hokkaido University (Contact: Y.Sato)</p> <p>E-mail: shirabekata[at]ees.hokudai.ac.jp</p>

Report

The first night of the three day Science Café event beginning on October 13 welcomed as its guest speaker Hokkaido University Research Faculty of Agriculture, Dr. Shin-ichi Akimoto. He and over 100 participants considered the meaning of procreation from the lifecycle of the snow bug in the lecture, What kind of insect is the snow bug?– Lessons in living from a short-lived bug.

On the second night, members of the Sapporo Nature Research and Interpretation Office delivered a lecture titled, Hints into finding the value of work—let’s start with acorns: Investigating nature, growing forests, and looking at life. The speakers shared with the

audience the fascinating, appealing, as well as difficult aspects of investigating, fostering, and communicating in their work.

The third and last night ended with a talk on How do plants return to areas afflicted by disasters? the case of Mt. Usu; Closed ski grounds; and The plants at your feet. Our guest speaker, Shiro Tsuyuzaki, was an associate professor at Hokkaido University's Faculty of Environmental Earth Science when Mt. Usu erupted. Dr. Tsuyuzaki and the audience considered how naturally and unnaturally disturbed vegetation should be restored.

Although all three Science Café events were held on weekday evenings, many people participated and actively asked questions and demonstrated the depth of the research of the guest speakers as well as their warm personalities.



first night



second night



third night

The 7th Presentation & Debate Competition, School of Economics and Business Administration



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44352 (Link to HUSCAP)
Data	
Date	October 16 (Sat.) 9:30 – 17:45 (Finished)
Organizer	School of Economics and Business Administration, Hokkaido University
Venue	Hokkaido University Center for Experimental Research in Social Science W102, 101, 201, 202
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>Hokkaido University undergraduate and graduate students majoring in a variety of fields will organize teams and present their unique ideas on the theme of <i>Revitalizing Agriculture – Redesign New Business</i>. They will examine their strengths and weaknesses through the medium of debate.</p> <p>This year's competition – the seventh in the series – will encourage students accurately understand the present state of business in Japan and aim for more creative design to address the situation at hand. Competing teams will make proposals for agricultural revitalization based on surveys and analysis that they will implement continuously from summer onward.</p> <p>We look forward to seeing high school, university and graduate students as well as those engaged in agricultural business and the general public.</p>
Registration	Not-required
Fees	Free
Contact	<p>School of Economics and Business Administration, Hokkaido University, sponsored by "The 7th Presentation & Debate Competition" Management Office (Contact: K.Tsukada)</p> <p>TEL: +81-(0)11-706-4066 FAX: +81-(0)11-706-4947</p> <p>E-mail: sacade[at]econ.hokudai.ac.jp</p>

Report

The School of Economics and Business Administration held their 7th Presentation & Debate Competition which focused on the theme, Revitalizing Agriculture: A New Business Model. Prior to the competition, a seminar held in July primed the participants as researchers and individuals engaged in agricultural business lectured on approaches to agricultural revitalization.

A total of 13 teams comprised of undergraduate and graduate students, including a team debuting from the Faculty of Agriculture and a team from Hokkaido University's Public Policy School (HOPS), participated in the competition. The participants engaged in fierce battles of words for over six hours, and exhausted their intellects to make proposals for agricultural revitalization from various angles. This year a poster contest was held during the lunch break and gave participants another way to publicize their hard work outside the debating stage. More than 100 people participated and members of the audience coming from various fields actively made comments from the floor after the competition.

Capturing the victory after hours of intense debates was the takait team from the School of Economics and Business Administration (Takai Seminar). The Kokai himitsu kessha team from the School of Economics and Business Administration (Hashimoto Seminar) came in second, and the Hokkaido University Debate Club (HDC) team finished third. The Shabekuri club team from HOPS won the poster contest. The team from the Takai Seminar achieved their long-sought goal of winning the competition. As they fought through debate after debate, they increased their strength and were victorious due to strong and solid teamwork. The second-place team from the Hashimoto Seminar persevered with a unique policy argument. The debate competition offered a great opportunity for undergraduate and graduate students to not only hone their communication, presentation, and organizational skills, but to also have the opportunity to interact with students from schools other than the School of Economics and Business Administration.



presenting research



poster contest

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44352>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Hokkaido University Sustainability Forum



Overview

Date	October 22 (Fri.) 18:00 Open 18:30 Start (Finished)
Organizer	Hokkaido University
Co-host	The Hokkaido Shimbun Press
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: general public, college students	
Outline	The forum will consider quality of life and human dignity from the viewpoints of individuals and the environment that supports us. It will offer opportunities to look at lifestyles from the perspectives of the inner life, interpersonal ties, the natural environment and urban infrastructure through discussions involving Hokkaido University researchers. We look forward to the participation of members of the general public looking for a weekend of contemplation.
Registration	Required Please register via our website. Registration is closed. (Oct. 14)
Fees	Free
Contact	Secretariat for Sustainability Weeks TEL: +81-(0)11-706-2093 FAX: +81-(0)11-706-2095 E-mail: sw1[at]oia.hokudai.ac.jp

Report

Hokkaido University and Hokkaido Shimbun Press, the newspaper publisher with the highest readership in Hokkaido co-hosted the forum *Toward a Society Offering Quality of Life and Human Dignity For All* for the general public as a pre-event for Sustainability Weeks 2010.

Despite the late starting time of 6:30 p.m., the forum attracted approximately 250 citizens. In the first part of the program, Professor Tsuyoshi Setoguchi of the Faculty of Engineering discussed “A northern compact city – toward a sustainable city” with guest professor Noriyuki Sato and Ai Kawahara, a first year doctoral student of the Graduate School of Agriculture. The theme of the second part was “Views of Life and Death to Ensure the Quality of Life and Human Dignity.” Professor Teruo Utsunomiya of the Graduate School of Letters presented topics and Professor Sato and Misaho Shigeki, a second year master’s student at Hokkaido University’s Public Policy School (HOPS), made comments. During the recess, the Student’s Council for Sustainable Development of Hokkaido University, to which Shigeki belongs, showed *New Life, New Challenge*, a 10-minute film that was shown with the purpose of inspiring people to consider things they can do to build a sustainable society. The forum was an impressive feat of student organization with Asumi Noto of the Faculty of Letters serving as the master of ceremonies.

In our post-event questionnaire for the audience, many participants responded that they wanted Hokkaido University to take the initiative in establishing a future Hokkaido-based society. Expectations for the Sustainability Weeks program were evident by the requests for more events with public participation and indicate that forums made available to the general public provide us with feedback and the opportunity to communicate research outcomes and campus trends in plain language.



forum poster



second session(from right: Professors Sato, Utsunomiya, & Motegi; Mr. Tamura (The Hokkaido Shimbun Press))

Public Lecture Commemorating the Establishment of the Hokkaido University Center for Environmental and Health Sciences: Let's Think Together! Our Environment and Children's Health



Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44091>
(Link to [HUSCAP](#))

Data

Date October 24 (Sun.) 13:30~ **(Finished)**

Organizer Center for Environmental and Health Sciences, Hokkaido University

Venue Hokkaido University Conference Hall

Language: Japanese

Intended Audience: general public, college students

Outline This lecture meeting will highlight the both positive and negative effects of our immediate natural and social environment on the health of babies and children both today and in the future. We will report our findings from studies we have conducted over 10 years in Sapporo and Hokkaido, in addition to introducing the Japan Eco & Child Study to be launched by the Ministry of the Environment next year.

We would like to discuss environmental factors and the health of children with audience, and we hope that many citizens, students, representatives of local governments and experts in the field of healthcare will attend.

Registration Required. Please register via our website. Registration on the day of the event is possible. (No admission after limit is met.)
>> [Registration](#)

Fees Free

Contact Center for Environmental and Health Sciences, Hokkaido University
TEL: +81-(0)11-706-4747 FAX: +81-(0)11-706-4725
E-mail: [e.h.s\[at\]med.hokudai.ac.jp](mailto:e.h.s[at]med.hokudai.ac.jp)

Report

On October 24, 2010, a public lecture entitled *Let's Think Together! Our Environment and Children's Health* was held in commemoration of the April 2010 inauguration of Hokkaido University Center for Environmental and Health Sciences (CEHS).

The event began with an opening address by its chair, Yasushi Handa, who serves as an assistant professor at CEHS. Dr. Chihiro Miyashita, a CEHS research fellow, then spoke about health effects of environmental chemicals under the theme, *Our immediate environment*. Her speech was based on results of her research program – Hokkaido Study on the Environment and Children's Health. The next speaker, Dr. Atsuko Araki, also a CEHS research fellow, shed light on health issues caused by indoor pollution and indoor pollutants. Her speech, *Keeping the home healthy to keep children healthy*, was based on the results of her previous nationwide epidemiological study designed to elucidate the cause of sick house syndrome.

Next, Koichi Yano, the director of the Public Health Office in Sapporo City Health & Welfare Bureau, highlighted the percentage of Sapporo citizens who either smoke, or smoke during pregnancy/ are affected by passive smoke while pregnant, or expose their infants to tobacco smoke. He spoke about the measures taken against passive smoking in his talk, *Mom and Dad, stop smoking for my sake!*

Lecturing next was Professor Hisanori Minakami of the Department of Obstetrics and Gynecology, Graduate School of Medicine, and CEHS. He illustrated the increase in the rate of low birth weight infants and their potential health issues under the theme, *To unborn babies: a message from an obstetrician*. Next, was CEHS Director Professor Reiko Kishi who spoke on the theme, *Achievements of the Hokkaido Study on Environment and Children's Health and the Forthcoming Nationwide Survey by the Ministry of the Environment* wherein she gave an outline and the results of the Hokkaido Study on the Environment and Children's Health as well as an overview of the Japan Eco & Child Study to be launched in 2011 by the Ministry of the Environment. She also explained the philosophy and activities of CEHS.

Last but not least, a panel discussion was chaired by Professor Akito Kawaguchi (Development of Human Developmental Sciences in the Faculty of Education) and Professor Takeshi Saito (Department of Comprehensive Development Nursing in the Faculty of Health Sciences), who double as CEHS Deputy Directors. They fielded questions from the audience which were answered by the speakers. Many questions raised covered a wide range of fields, and were followed by a lively exchange of opinions. Participants showed a high level of interest in the topics covered and attentively listened to the exchanges. The public lecture proved very successful.



lecture by Center Director, Reiko Kishi



overall discussion

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44091>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Special Event: Ride and Think for Sustainability in Hokkaido Univ.



Overview

Date	October 25 (Mon.) – 31 (Sun.) (Finished)
Organizer	IFES-GCOE Regional Education and Outreach Promotion Office, Hokkaido Univ.
Co-host	Nonprofit Organization EcoMobilty SAPPORO
Venue	On the street at Hokkaido University
Language: Japanese	
Intended Audience: anyone	
Outline	Here, students from Hokkaido University Graduate School of Environmental Science will operate Velotaxi cycle rickshaws inside and outside the Sapporo Campus. Visitors can ride Velotaxis bearing designs that reflect the university's environmental initiatives. Enjoy a leisurely trip between venues on this CO2 emission-free mode of transport while chatting with the student driver.
Registration	Not-required
Fees	Free
Contact	IFES-GCOE Regional Education and Outreach Promotion Office, Hokkaido Univ. (Contact: N.Yoshimura) TEL: +81-(0)11-706-3355 E-mail: ynobu14001[at]ees.hokudai.ac.jp

Report

The “Ride and Think for Sustainability in Hokkaido University” event, planned by students, aimed to achieve two purposes by the use of Velotaxi cycle rickshaws: 1) To publicize the Sustainability Weeks 2010 program in the local community and to make contact with local citizens as well as others from various parts of the world to promote exchanges; and 2) to



velotaxi on campus

increase environmental awareness among the people that actually rode them. Planners rented Velotaxis and underwent training on how to drive them from EcoMobility Sapporo, the nonprofit organization which actually operates this service in Sapporo. Support from the IFES-GCOE Regional Education and Outreach Promotion Office aided in the planning and execution of the event which consisted of two stages, a preparatory stage starting in May, and an operational stage that began in October.

In the preparatory stage, students learned a lot about project planning as they worked on a proposal for how to promote the event as a design element of the Velotaxis. During the operational stage, Velotaxis with the phrases “Sustainability Weeks 2010” and “Hokkaido University” painted on them were driven around Sapporo from October 1 to 24, and publicized the program to be held at the University with the actual vehicle operation contracted out. From the day of the opening ceremony on October 25 until October 31, students drove the vehicles on campus and gave rides to many people, including tourists. Thanks to extensive coverage by newspapers and radio programs, a large number of people experienced their first Velotaxi.

Achievements

Nearly 300 locals, overseas visitors, students and researchers rode the Velotaxis during the one-week operational period. Many locals solicited Velotaxi drivers with questions about Sustainability Weeks, and the vehicles with their advertisements attracted considerable attention. Many people took photos or videos and helped to enhance recognition of the Sustainability Weeks program. Riders remarked that the leisurely pace allowed them the opportunity to enjoy the landscape and that it perfectly suited the natural environment of the campus since it was a clean form of transport that didn't emit any CO₂.

Future Prospects

Many people used Velotaxis to move around on HU's vast campus, and there were many requests to operate them even after the Sustainability Weeks program. The popularity of this program opens up the possibility of using Velotaxis as a practical approach to Hokkaido University's commitment to protecting the environment.



Velotaxi friends

The 2nd Hokkaido University Sustainability Research Poster Contest



Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44124>
Data (Link to [HUSCAP](#))

Date Part1: October 24 (Sun.) noon – 29 (Fri.) noon **(Finished)**
Contest: October 26 (Tues.) 12:30 – 15:30
Part2: November 2 (Sun.) noon – 5 (Fri.) noon **(Finished)**
Contest: November 2 (Tues.) 12:30 – 15:30

Organizer Hokkaido University

Venue Hokkaido University Conference Hall

Language: English/Japanese

Intended Audience: researchers, general public, college students

Outline HU students will review their current research programs from the viewpoint of contribution to efforts for the creation of a sustainable society, summarize these contributions in poster format and make presentations in Japanese or English. Nearly 100 posters will be exhibited over a period of two weeks. Communication Time (CT) sessions will be set up on Tuesdays, when students will make presentations in front of their posters and answer questions from visitors. The contest will provide a wealth of opportunities to learn about future scenarios envisioned by students as well as to find out about their research programs and gain experience of research poster presentations. We look forward to welcoming all comers – especially high school, university and graduate students.

Registration Not-required

Fees Free

Contact Secretariat for Hokkaido University Sustainability Weeks 2010
TEL: +81-(0)11-706-2093, FAX: +81-(0)11-706-2095
E-mail: [sw1\[at\]oia.hokudai.ac.jp](mailto:sw1[at]oia.hokudai.ac.jp)

Report

The Hokkaido University Sustainability Research Poster Contest aims to encourage students to view their current research from the stance of how it can contribute toward the creation of a sustainable society, and then explain this in terms that are understandable to people outside their specialized fields. Many students participated in the contest for the opportunity to contemplate how their research is connected to the general theme of the development of a sustainable society.



a student presents their research poster

This year's contest, the second of its kind, received a total of 93 entries involving 76 teams: 2 undergraduate students, 42 students in master's degree programs, and 49 doctoral students participated. The submitted works were divided into two groups and were judged within a two-week period. Serving as the judges were 61 HU faculty members and 80 students who presented their posters. Each poster was examined by three faculty members and two students – a total of five judges – and contestants competed for a possible maximum total score of 375 points. Judging this year was characterized by the fact that the judges viewed posters outside their own specializations.

Many students commented that presenting their posters was an instructive experience and that they learned how difficult it is to explain their research to people in fields different from their own. One participant said, "I was very inspired since I could come up with new ideas by showing my research to those in different fields." Faculty members who acted as judges also made positive comments, "Presentations by students majoring in different fields from mine stimulated me intellectually," and "It was a very interesting experience. I learned a lot." These comments indicated that discussions held during the contest were productive for presenters and judges alike.

On November 5, an award ceremony was held in Meeting Room No. 1 of the Conference Hall, and certificates and supplementary prizes were handed to the 42 students in 37 teams that won the 2nd Hokkaido University Sustainability Research Poster Contest awards. The Sustainability Research Poster Contest will be held again in 2011. Participation of students across a broad spectrum—both the sciences and humanities—is expected.

Number of participants by department

Graduate School of Environmental Science: 40; Graduate School of Agriculture: 17; Graduate School of Health Sciences: 11; Faculty of Engineering: 10; Graduate School of Fisheries Sciences: 4; Graduate School of Economics and Business Administration: 3; Graduate School of International Media, Communication, and Tourism Studies: 2; Graduate School of Dental Medicine: 2; Graduate School of Letters: 1; Public Policy School: 1; School of Dental Medicine: 1; Faculty of Agriculture: 1

Hokkaido University President's Award (Grand Prix) Winners

Graduate School of Agriculture	Nareethap Ruangthip	Health and public sanitation
	Yuka Uchida	
Graduate School of Health Sciences	Risa Takashima	Social bonds, culture and peace
Graduate School of Letters	Kunihito Nagasaka	Policies and social systems
Graduate School of Environmental Science	Yoshihiro Mihara	Economy, industry and energy
Graduate School of Environmental Science	Natsumi Ishimaru	Food and water
	Ikue Sekiguchi	
Graduate School of Agriculture	Arshana Nor Noorul Amin	Food and water
Graduate School of Environmental Science	Hisashi Endo	Global environment and ecosystems



prize recipients pose for a commemorative photo



a student receives her award from Executive and Vice President Hondoh

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44124>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))



International Workshop on Green Circuits and Systems

Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44261>
(Link to [HUSCAP](#))

Data

Date October 25 (Mon.) 13:00~ **(Finished)**

Organizer Center for Next-Generation Information Technology based on Knowledge Discovery and Knowledge Federation, Hokkaido University

Sponsorship Graduate School of Information Science and Technology, Hokkaido University

Venue Conference Room (11F Room17), Graduate School of Information Science and Technology, Hokkaido University

Language: English

Intended Audience: researchers, general public, college Students

Outline This workshop will present a keynote lecture by University of Louisiana Professor Magdy A. Bayoumi – one of the world's foremost researchers on cutting-edge wireless networks – on the direction of green system technology.

The event will also include the presentation of research findings by students and discussion on research into the latest technologies for next-generation information communication and multi-media systems.

We look forward to the participation of members of the general public, representatives of businesses and students who are interested in today's global trends of promoting energy conservation through the integration of all information systems such as telephone lines, Internet frameworks and mobile phone networks.



 [Download Poster](#) (269KB)

Registration	Not-required
Fees	Free
Contact	GCOE Office, Graduate School of Information Science and Technology, Hokkaido University FAX : +81-(0)11-706-7890 E-mail : gcoe[at]ist.hokudai.ac.jp

Report

The International Workshop on Green Circuits and Systems was addressed by Dr. Magdy A. Bayoumi, one of the world's foremost researchers on cutting-edge wireless networks, and Director of The Center for Advanced Computer Studies, University of Louisiana at Lafayette, U.S.A. He delivered the keynote lecture entitled *Wireless Sensors Networks: Challenges and Opportunities*. The second invited speaker was Prof. Dr. Eryk Dutkiewicz of the Department of Electronic Engineering, Macquarie University, Sydney, Australia, who spoke on *Development of a Wireless Body Area Network Platform for Implantable Medical Applications*.

At the event, students also presented research findings, and proceedings did not only follow a seminar style, but lively discussions on the latest technologies for next-generation information communication and multi-media systems took place. It was a vibrant event. The themes of students' presentations were as follows:

1. Robust Speech Recognition by Mr. Yiming Sun
2. Speech Recognition using Stochastic DTW by Mr. Yuxin Zhang
3. Low Power Design of MIMO-OFDM by Mr. Jaeseong Kim
4. Advanced MIMO-OFDM by Ms. Nicole Shi



Dr. Eryk Dutkiewicz, "Development of a wireless body area network platform for implantable medical applications"



Prof. Magdy A. Bayoumi, "Wireless Sensors Networks: Challenges and Opportunities"

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44261>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))



Fair Trade Fair vol.5

Overview

Date	October 25 (Mon.) – November 6 (Sat.) (Finished) Weekday: 9:00-19:00 Saturdays: 10:00-15:00 Sundays: Closed
Organizer	International cooperation student association “yui”
Co-host	Hokkaido Univ. Co-op
Venue	Hokkaido Univ. Co-op Building 1F
Language: Japanese	
Intended Audience: general public, college students	
Outline	<p>During this fair, you will be able to shop for foodstuffs and general merchandise that students often purchase in order to increase awareness of fair trade products, i.e., those traded with a focus on paying fair wages to producers in developing nations.</p> <p>This year’s fair is the fifth of its kind; as at last year’s event, a lecture meeting will be also held (date and time TBA) to provide opportunities for attendees to learn about the present status of fair trade and related issues. Buying fair trade products leads to a sustained improvement in the living standards of those who produce them.</p> <p>We hope that the items on sale, which will include chocolate, coffee beans and other products made in consideration of environmental protection, will generate enhanced interest in fair trade among many students, faculty members and members of the general public.</p>
Contact	International cooperation student association “yui” (Contact: Matsushima) TEL: +81-(0)80-1768-1640 E-mail: yui.international.cooperation[at]gmail.com

Report

The Fair Trade Fair vol. 5 was held in cooperation with the Hokkaido University Co-op. At this two weeks event at the co-op building, merchandise commissioned by Mintaru, a fair trade shop, located near the university, were sold and included mainly foodstuffs like chocolate and coffee, and sundry items like keyrings and decorative objects. The total sales amounted to 79,458 yen.

On October 27, a lecture meeting addressed by Ms. Yuko Nakata, a former employee of the Fair Trade Company's shop "People Tree" was held. The aims of the lecture meeting were to deepen our knowledge of fair trade and to spread awareness of this social movement. The event provided participants with a forum where they could listen to the lecture and actively express their opinions.

Yui international cooperation student association believes that it is meaningful to continue activities like these and we hope that continuation of these activities will help many more people to learn about fair trade and stimulate them to think about the present state of world affairs.



a variety of goods were displayed for the Fair Trade Fair



people showing interest in fair trade goods

SW2010 Opening Event – Hokkaido Univ. Int'l Sympo


 on SD: Toward a Society Offering Quality of Life and Human Dignity for All –
 Comprehensive Exploration Into the Causes of the Crises We Face –

Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44098>
 Data (Link to [HUSCAP](#))

Date October 25 (Mon.) – 26 (Tue.) **(Finished)**

Organizer Hokkaido University

Venue Hokkaido University Conference Hall

Language: English/Japanese

Intended Audience: researchers, general public, college students

Outline Ideally a sustainable society allows everyone to achieve physical, mental, and social well-being to have a high quality of life. As these things are realized, those benefiting in turn become a driving force behind the sustainability movement and bring it closer to an ideal state. In reality, however, human activity driven by self-interest and desire has caused rapid deterioration of the natural environment, including global warming, pollution stemming from hazardous chemicals, and reduced biodiversity. Meanwhile, social imbalances such as poverty and isolation have spread noticeably.

It is thought that these problems will ultimately lead to the destruction of general well-being and threaten the very survival of humankind. This symposium will investigate the deterioration of well-being from a comprehensive viewpoint and identify the inherent factors that destroy sustainability. It will also include consideration of how to remove factors that act as obstacles to the creation of a society in which everyone can enjoy a higher quality of life with dignity.

On Monday, 25 November: Sustainability Weeks 2010 Opening Ceremony
 Plenary Session for Hokkaido Univ. Int'l Sympo on SD: Toward a Society Offering Quality of Life and Human Dignity for All

On Tuesday, 26 November:

-Parallel Session1: Children for Sustainable Development

-Parallel Session2: The Eurasian Ecotone

-Parallel Session3: Global Water Crisis and Well-being

-Parallel Session 4 : Health and Nursing Care in Ageing Society



 [Poster Download](#)

Registration Required [>>Registrations](#)

Fees Free

Contact Secretariat for Hokkaido University Sustainability Weeks 2010 TEL : +81-(0)11-706-2093 FAX: +81-(0)11-706-2095 E-mail : [sw1\[at\]oia.hokudai.ac.jp](mailto:sw1[at]oia.hokudai.ac.jp)

Program

Monday, October 25, 2010

Start	Program	Lecturer
Opening Ceremony		
9:00	Opening Address	President, Hokkaido University
9:05	Greeting	N. Fujishima, Director-General for International Affairs, MEXT
9:25	Keynote Lecture: Sustainability and Complexity	Keith F. Taylor, Associate Vice-President Academic, Dalhousie University
10:25	Celebration Ceremony for Emeritus Prof. Akira Suzuki's Nobel Prize in 2010)	
Plenary Session		
11 : 10	Session1 : Effects of the Natural & Social Environments on Human Health	• Yun-Chul HONG, Institute of Environmental Medicine, Seoul National University • Reiko Kishi, Center for Environmental and Health Sciences, HU
13:10	Lunch	
14:00	Session 2 : The Deterioration of Ecosystems and It's Impacts on Human Life	• Jamsran TSOGTBAATAR, Institute of Geoecology, Mongolian Academy of Sciences • Noboru Fujita, Research Institute for Human and Nature • Mamoru ISHIKAWA, Faculty of Environmental Earth Science, Hokkaido University

16:15	Session 3 : Reflections on Societal Structure	<ul style="list-style-type: none"> • Makoto YUASA, Secretary-General, Anti-Poverty Network • Takeshi NAKAJIMA, Faculty of Public Policy, Hokkaido University
-------	---	--

Tuesday, October 26, 2010

Start	Program	Lecturer
Parallel Session		
1. Children for Sustainable Development—Present Crisis Affecting Children 9:00 Open 9:30-12:30		
	Lecture	Akito KAWAGUCHI, Faculty of Education, HU
	Lecture	Harumitsu MUROHASHI, Faculty of Education, HU
	Lecture	Ichiro MATSUMOTO, Faculty of Education, HU
The Eurasian Ecotone : Sustainable Ecosystem Use in Mongolia 9:00 Open 9:30-12:30		
	Lecture	O.BOLORMAA, National University of Mongolia
	Lecture	Yuki MORINAGA, Meiji University
	Lecture	Mamoru ISHIKAWA, Faculty of Environmental Earth Science
3. Global Water Crisis and Well-being 9:00 Open 9:30-12:30		
	Lecture	Xiaochang C. WANG, Xi'an University of Architecture and Technology, China
	Lecture	Ryuji MATSUNAGA, International Cooperation Manager, HU
	Lecture	Naoyuki FUNAMIZU, Faculty of Engineering, HU
4. Health and Nursing Care in an Ageing Society: What is Happiness? 9:30-12:30		
	Lecture	Hidehiko TAMASHIRO, Graduate School of Medicine, HU
	Lecture	Tamiko Ikeno, Graduate School of Medicine, HU
The 2nd Hokkaido University Sustainability Research Poster Contest 12:30-15:30		
HU students will present their current research programs from the view point of contribution to efforts for the creation of a sustainable society.		
Panel Discussion 15:45-18:15		

The Sustainability Weeks 2010 program commenced with an opening ceremony, and the two-week-long event was officially declared open by Hokkaido University President Hiroshi Saeki. His opening address was followed by greetings from Nobuo Fujishima, Director-General of International Affairs, the Ministry of Education, Culture, Sports, Science and Technology of Japan. Fujishima expressed his expectations for Sustainability Weeks 2010 to be a forum for discussions from the viewpoint of education for sustainable development (ESD). Next, Takeo Hondoh, Hokkaido University Vice President, addressed the basic philosophies of the university and the important role that Sustainability Weeks has in creating a sustainable society. In the keynote lecture, Keith F. Taylor, Associate Vice-President Academic Outreach and International Programs of Dalhousie University, Canada presented his institution's initiatives to promote sustainability, and underscored the fact that economic and environmental systems are both too complex to be managed uniformly and that education will pave the way for a sustainable future.

After this, a special event was held in honor of Hokkaido University Emeritus Professor Akira Suzuki who won the 2010 Nobel Prize in Chemistry. President Saeki gave a congratulatory speech, and Prof. Norio Miyaura, Suzuki's research colleague, gave a tribute. Following these speeches Japanese and international students engaged in catalyst research said a few words and then Dr Suzuki was presented with a bouquet of flowers. He ended the ceremony by remarking that even in his field of chemistry, the concept of eco-chemistry, or practicing chemistry without polluting the environment, is gaining ground. In addition to the efforts of governments and universities, each and every one of us must work together to keep the spirit of sustainability alive. Prof. Suzuki also expressed his expectations toward the development of this well-timed project by Hokkaido University.

In the symposium following the celebration ceremony, participants made comprehensive efforts to find the causes of the crisis we are facing under the 2010 theme, Toward a Society Offering Quality of Life and Human Dignity for All. Viewpoints of health, the environment, and social policy were discussed on Day 1, and on Day 2, four Parallel Sessions were held in the morning which focused on children, ecosystems, the water crisis, and aging society/ falling birth rates, and were followed by a Plenary Session and a Panel Discussion in the afternoon.



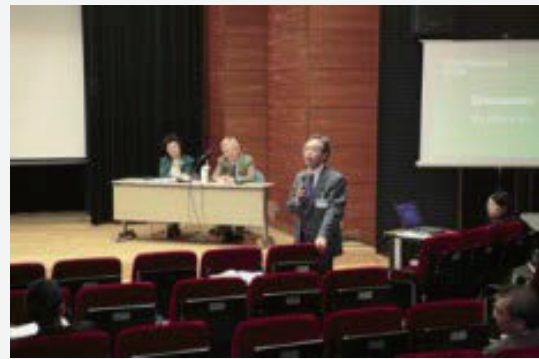
Dr. Keith Taylor, Associate Vice-President Academic Outreach and International Programs, Dalhousie University gives the keynote speech



Congratulatory Ceremony for 2010 Nobel Prize recipient Emeritus Professor Akira Suzuki



Mako Yuasa, Secretary-General of the Anti-Poverty Network, and Assoc. Prof. Takeshi Nakajima, HU Public Policy School, discuss poverty in Japan (Plenary Session 3)



Professor Hondoh answers a question during the discussion on day 2

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44098>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Controlling Zoonoses: An Experimental Exhibition on Integrative Science



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44080 (Link to HUSCAP)
Data	
Date	October 26 – 31 (Tues. – Sun.) 9:30 – 16:30 (Finished) November 2- 3 (Tues. – Wed.) 10:00 – 16:00 (Finished) * Nov.1 (Mon.) is closed
Organizer	The Hokkaido University Museum
Co-host	Global COE Program “Establishment of International Collaboration Centers for Zoonosis Control”, Hokudai Integrated Science Consortium, Hokkaido University Research Center for Zoonosis Control
Venue	The Hokkaido University Museum
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>The Hokkaido University Museum will display cutting edge research on zoonotic diseases, whose causative agents infect both humans and animals. Visitors will learn about diseases such as influenza and Ebola hemorrhagic fever through panels, videos, observation of infections through microscopes, and by experimentation with laboratory instruments.</p> <p>In order to establish preemptive measures to predict and prevent outbreaks and epidemics of zoonotic diseases, it is imperative that interdisciplinary research and education is conducted by experts in the fields of medicine, veterinary medicine, pharmaceuticals, engineering, and science.</p> <p>This exhibition explores the full potential of Integrative Sciences and is open to the public. We hope that a wide range of students—from those in junior high to those in university, including researchers—take advantage of this opportunity we present to you.</p>
Registration	Not-required
Fees	Free
Contact	<p>The Hokkaido University Museum (Contact: H. Matsueda)</p> <p>TEL & FAX: +81-(0)11-706-2754</p> <p>E-mail: matsueda[at]museum.hokudai.ac.jp</p>

Interventions to control zoonoses require multidisciplinary collaboration encompassing the fields of veterinary medicine, medicine, biology, information science, science and so forth. The aim of this event was to promote among the general public, an understanding of our research on zoonotic diseases, which have huge implications as an integrative science.

We displayed panels with explanations about zoonoses, experimental facilities, and models in a corner of the Hokkaido University Museum. We also set up a hands-on experience corner to provide visitors with opportunities to observe carrier insects through microscopes, use laboratory instruments, put on protective wear, and play games with the theme of infectious diseases. In this corner, 14 faculty members, 10 postdoctoral fellows, and 18 students took turns to explain exhibits to visitors and receive visitors in the experience corner.

The event attracted approximately 3,000 local residents of all ages over a nearly two-week period. A total of 775 visitors answered our questionnaire, and their responses showed that the ingenious exhibits and explanations we offered were easy to understand. Many respondents expressed their expectations of and opinions about our research facilities and programs.

On October 31 (Sunday), Professor Hiroshi Kida of Hokkaido University Research Center for Zoonosis Control gave a lecture entitled *A Critical Dissection of the Pandemonium over Avian, Swine and Then Pandemic Influenza*. Nearly 60 local residents attended the lecture. The audience asked various questions about research on influenza infections, including the highly pathogenic avian influenza viruses that had been isolated from duck droppings in Wakkanai and Onuma, both in Hokkaido, several days before the lecture. Questions about vaccines and new strains of influenza viruses were also asked. With Professor Kida's meticulous explanations, the audience appeared to have deepened their understanding of these research activities.

Researchers involving a variety of disciplines had gathered at Hokkaido University Research Center for Zoonosis Control to achieve a simple aim, namely, to overcome zoonoses. In a sense, this represents a culmination of integrative sciences. Hokkaido University needs not only to promote research on zoonotic diseases, but also advance with experiments in integrative sciences. In other words, we have to continue contemplating the roles that studies and science can play to ensure the sustainability of mankind.



learning about infectious diseases



interactive displays enhance understanding of infectious diseases

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44080>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Invitation to Study-Abroad Programs: SD on Campus – A Global Quality of International Campus Life



Overview

Date October 27 (Wed.) 13:00~15:30 **(Finished)**

Organizer Hokkaido University Office of International Affairs

Venue Hokkaido University Conference Hall

Language: English/Japanese (Interpretation will be provided)

Intended Audience: Hokkaido University students

Outline

In this event, the representatives of HU's overseas partner institutions will introduce their campuses to attract HU students to become their exchange students as they present their unique approaches for sustainable developments on their own campuses.

These universities are known for their commitments for the creation of a quality sustainable society (i.e., sustainable development) as they pursue to establish a global quality of life for the future. They will be introducing their prized research and education programs.

The event should be very inspirational for those who are interested in studying abroad, wishing to work overseas after graduation, or simply interested in SD in other universities.

So, don't miss it!



 [Poster Download](#) (651KB)

Registration Not-required

Fees Free

Contact Division of International Services, Office of International Affairs, Hokkaido University (Contact: K. Kono) TEL: +81-(0)11-706-8053
E-mail: [ryugaku\[at\]joia.hokudai.ac.jp](mailto:ryugaku[at]joia.hokudai.ac.jp)

Report

Hokkaido University Sustainability Weeks offered our overseas partner institutions the opportunity to present their appeals to encourage our students to join study-abroad programs at their institutions. Representatives of the following seven partner institutions placing particular emphasis on building a sustainable society participated.

- AGH University of Science and Technology (Poland)
- Dalhousie University (Canada)
- Sichuan University (China)
- Technische Universität München (Germany)
- University of Oklahoma (U.S.A)
- Universiti Sains Malaysia
- Yonsei University (South Korea)

The representatives outlined courses and workshops that their universities offer in relation to efforts to promote sustainable development (SD) and create a sustainable society. They also highlighted ways in which their students are involved in sustainable development both in and out of the classroom. The seminars they introduced were attractive and had distinct characteristics. Student responses to the post-event questionnaire revealed that this event helped shape their desire to study abroad. Representatives of the partner institutions also seemed satisfied that they were able to appeal directly to Hokkaido University students.



program for students
interested in studying abroad



Dr. Markus Schaller, Technische
Universität München




presentation by HU staff

First Sustainable Campus Contest



Overview

Date	October 27 (Wed.) 16:30~ (Finished)
Organizer	The Students Council for Sustainable Development in Hokkaido University
Co-host	Hokkaido University Public Policy School, Hokkaido University Sustainable Low-Carbon Society Project
Venue	Hokkaido University Conference Hall
Language: English/Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>In this contest, Hokkaido University's campus will be considered as a microcosm of a sustainable society, and students will present their ideas for an ideal campus in either Japanese or English. Awards will be presented to those with the most outstanding concepts.</p> <p>Undergraduates and graduates wishing to enter the contest should download application forms from this website and submit them no later than October 8. We look forward to entries capitalizing on the free, unrestrained thinking of students and their research activities and to the participation of anybody interested in the environment and sustainable campuses.</p>
Application forms	 Download Guideline Download Application Form
Fees	Free
Contact	<p>The Students Council for Sustainable Development in Hokkaido University (Contact: T. Okabe) TEL: +81-(0)80-5103-2733 E-mail: scsd-hokudai-info[at]freeml.com</p>

Report

The Hokkaido University Students Council for Sustainable Development (SCSD) sponsored the First Sustainable Campus Contest on October 27, 2010. The contest was held as a student-centered initiative and was based on the firm belief that the imagination and creativity of students will change Hokkaido University. Making the University a global model

of campus sustainability is the goal that engendered gathering project ideas from students and provided the impetus for the contest. Applicants made oral presentations on their project ideas before a panel of judges that consisted of three HU faculty members, two members of the SCSD, and audience members present during the presentations. The judges choose winners to receive a Grand Prix Award, Special Judges' Award, and Venue Award. In addition, the project idea chosen for the Grand Prix Award would be implemented jointly by the SCSD and the project designer.

Establishing an eco-coupling tax, a paperless university, an environment department, a fasting camp, creating a social network service (SNS) focusing on sustainability science, promoting the Warm Biz energy conservation campaign, and bicycle generated power were among the ideas presented. During the oral presentation session, students explained their concepts in earnest and a lively Q&A session with the judges followed. The session offered a great opportunity for members of the general public to learn what HU students are thinking, and an audience member commented that they "enjoyed listening to the student's ideas."

Regrettably, none of the entries was selected to receive the Grand Prix Award. The Special Judges' Award was given to the project with the idea of establishing an environment department and bicycle generated power. The bicycle generated power idea also won the Venue Award. The event attracted many people who are interested in sustainable campuses and we believe this contest can become a forum for exchanges of opinions and networking, and lay the foundation for future activities.

Although the number of participants and the size of the audience were both small due to insufficient preparations and PR, members of the audience remarked that the program was "well planned", and that they "had a great time." The event also filled a need as a forum for students to consider what they should do to make their campus sustainable and was significant because it allowed the ideas of people from various specialized fields to be heard. Next year offers the opportunity to increase participants and number of people attending. Hokkaido University is committed to becoming a global model of campus sustainability.



listening to the presentations



contestants give their presentations

Candlize2010

“Candlize2010” – a candle night event – was held in an open area on campus for three hours on an autumn night. Many people both from inside and outside the campus visited the venue to view the 5,000 candles glowing in the darkness and must have been taken into the air of fantasy created by the light.

The theme of Candlize2010 was the four seasons. Many Japanese people are sensitive to the changes of the seasons– spring turns into summer which changes to autumn and is then followed by winter in a pattern that is repeated every year. The members of the Students Council for Sustainable Development (SCSD) realize that the sustainable society we are striving to create and four seasons share a common feature from the viewpoint of sustainability. The theme of the four seasons reflects our firm belief that we should work to establish a society that is as sustainable as the four seasons.

On the day of the event, we put up booths representing the different seasons and expressed the image of each season using candles and works of art. The images were white cherry blossoms for spring, the ocean for summer, wood works and paintings on corrugated paper for autumn, and snow for winter.

The candle night event had two objectives: to have many people feel a close connection with environmental issues; and to encourage them to think about what they could do to help resolve environmental problems.

In order to ensure that the candles and works of art could be recycled after the event, we devised production processes and processing methods to ensure that they could be recycled after the event. Our eco-friendly initiatives included using candles which had either been used before or that had been made from waste oil, and using discarded waste found on campus such as PET bottles and corrugated paper to produce the exhibits.

One thousand of the 5,000 candles lit were produced in collaboration with some 250 local elementary school students. After making the candles, members of SCSD gave the students environmental lessons which focused on water environment and food recycling in conjunction with our awareness-raising activities.

Our achievements with this event were threefold: we were able to contribute toward the university's efforts to recycle waste; contribute to the reduction of CO2 emissions since some streetlights on campus were turned off during the candle night; and enhance interest in environmental issues among many people.

We would like to continue these activities, to not just encourage people to take interest in the environment, but to also inspire them to think about what they can do to protect the environment and to share their ideas with other participants.



elementary students learn how to make
candles



a warm glow greets visitors on a cold
night



International Symposium on Renewable Energy

Overview

Date	October 28 (Thu.) 9:30~ (Finished)
Organizer	Hokkaido University Public Policy School, Faculty of Environmental Earth Science (Hokudai Low-Carbon Society Project)
Venue	Hokkaido University Conference Hall
Language: English/Japanese (Simultaneous interpretation will be provided)	
Intended Audience: researchers, general public, college student	
Outline	<p>This symposium will provide a chance for researchers and actors from inside and outside of Japan to discuss together about measures and future prospects to develop and distribute renewable energy such as biomass, solar power, wind power, water power and geothermal heat.</p> <p>Renewable energy can contribute to mitigate global warming because the use yield relatively little amount of CO₂. The use of renewable energy also helps to rise the energy self-support ratio of countries like Japan which are not rich in resources such as oil and coal. We welcome participation of citizens and students who are interested in these important issues that must be tackled actively in each country and region including Hokkaido.</p>
Registration	Not-required
Fees	Free
Contact	<p>Hokkaido University Public Policy School (Contact: Y. Kondo)</p> <p>TEL : +81-(0)11-706-4717</p> <p>E-mail : low-carbon[at]hops.hokudai.ac.jp</p>

Report

Renewable energy, such as wind power, has recently attracted considerable attention as an energy source that helps combat global warming because it produces less CO₂ emission than fossil fuels like oil. It also helps to increase the energy self-sufficiency rate of nations like Japan with scarce supplies of these natural resources. This symposium attracted a capacity audience of nearly 260 people which illustrated that there is a high level of interest in energy issues among the general public.

Professor Fumikazu Yoshida of Hokkaido University's Graduate School of Economics and Business Administration started off the four morning lectures on Day 1 with his lecture entitled *Future Prospects of Renewable Energy in Japan*. He highlighted the direction of and strategy for a new environmentally-friendly energy infrastructure as well as the importance of cooperation with East Asian nations. Next,

Professor Martin Jaenicke from Freie Universität Berlin illustrated the potential of renewable energy to replace fossil fuels and nuclear energy. He introduced policy measures taken in Germany under the theme *Renewable energies: The Race Against Traditional Supply*. Professor James Heintz of the University of Massachusetts focused on the initiatives in the U.S. to build a clean energy economy and their challenges under the theme *Creating a Clean Energy Economy in the U.S.: Energy Efficiency and Renewable Energy*. Professor Ma Zhong, Dean of the School of Environment and Natural Resources, Renmin University reported on initiatives for energy conservation and a low-carbon future in the rapidly growing Chinese economy. The theme of his speech was *Energy Saving, Emission Reduction, and Low Carbon Development in the Context of China's Rapid Economic Growth*.

The afternoon session began with a speech by Yoichiro Suzuki, Director-General for the Natural Resources, Energy and Environment Department of the Hokkaido Bureau of Economy, Trade and Industry (METI Hokkaido). Under the theme *Present Situation and Future Tasks of Renewable Energies*, he shed light on projects implemented in Hokkaido. After the speech, Professor Hajime Araki from the Field Science Center for Northern Biosphere took to the podium and illustrated the feasibility of using crop residue, livestock manure, and food waste as fuels under the theme *Local Biomass as a Renewable Energy Source*. The first session was concluded with a panel discussion by the speakers.



poster advertising the symposium on renewable energy

On Day 2, Toru Suzuki, Director-General of nonprofit Hokkaido Green Fund introduced the utilization of citizen-funded wind turbines and their challenges under the theme *Present Situation and Future Tasks of Citizens' Windmills*. After the speech, Naoto Kawaguchi from Central Leasing System Co., Ltd. presented, *Large-scale Snow Air Conditioning at New Chitose Airport*, a project that uses stored snow to produce cool energy at the airport. Next, Takashi Kasuga, manager of the Regional Promotion Section of the Shimokawa Town Office, highlighted the town's efforts to achieve sustainable forest management, *Leveraging Local Resources – Shimokawa, an Environmental Model Town*. He was followed by a presentation by Nobuko Yabe, a postdoctoral fellow at Hokkaido University's Faculty of Environmental Earth Science. Under the theme *LCA regarding the Introduction of Biogas Plants in Hokkaido*, she reported on the effects of biogas plant (BGP) use on the reduction of greenhouse gas emissions, energy production, and cost analysis results. She also presented the results of calculation of levels of electricity prices by subprefecture that would enable the introduction of BGPs. The last presenter was Tatsuo Suwa, a postdoctoral fellow from Hokkaido University Public Policy School (HOPS). He presented the results of analyzing the feasibility of BGPs for dairy farmers under a scheme to buy power at fixed prices, and future tasks under the theme *Economic Study regarding the Dissemination of Biogas Plants in Hokkaido*. During the second session, each presentation was followed by a lively Q&A session between the speaker and the audience.



panel discussion by the keynote speakers



a full auditorium

Sustainable Campus Tour



Overview

Date October 27 (Wed.) Morning Tour 9:00 – 12:00 Afternoon Tour 13:00 – 16:00
(Finished)

Organizer Center for Sustainability Science, Hokkaido University

Co-host Sustainable Low-Carbon Society Project, Field Science Center for Northern Biosphere, Hokkaido University

Venue 1F Lecture Room, Field Science Center for Northern Biosphere, Hokkaido University

Language: Japanese/English (Consecutive interpretation will be provided)

Intended Audience: researchers, college students, general public

Outline The Sustainable Campus Tour is aimed at introducing our initiatives to reduce the environmental impact of Hokkaido University's Sapporo Campus. We will take tour participants around a biogas production facility, a composting facility and pellet boiler in Field Science Center for Northern Biosphere, and several facilities at the Graduate School of Environmental Science. Hokkaido University is striving to establish a sustainable campus, and has already inaugurated several facilities as the first step towards achieving this goal. To further reduce our environmental load and CO2 emissions, we will open these facilities to all and offer a forum for an exchange of ideas between the general public, researchers and students. We hope that many participants, including students who are interested in working toward environmental conservation, will join us. Notice: Tour to biogas facilities will be canceled if mouse and foot disease in animals is continued to this October



 [Poster Download](#)

Registration	Please register via this website by October 24, 2010. >> Registrations
Fee	Free
Contact	Associate Prof. Nobuyuki TSUJI, Center for Sustainability Science, Hokkaido University TEL: +81-(0)11-706-4533 FAX: +81-(0)11-706-4534 E-mail: n-tsuji[at]sgp.hokudai.ac.jp

Report

Students of the HU Graduate School of Environmental Science served as guides on the Sustainable Campus Tour of the University's Sapporo Campus. Local residents, researchers from home and abroad, as well as HU students from other faculties/graduate schools viewed environmentally-friendly facilities.

The tour began at the Field Science Center for Northern Biosphere and lasted three hours. Although the roads were muddy due to snowfall the day before and rainfall the day of the tour, participants did not let that deter them. They rented boots from the experimental farm where they were able to see first hand how agricultural residue pellets are used in the greenhouse boiler, and continued on to visit the Graduate School of Environmental Science, a bio gas production facility, and a composting facility. They also saw a composting toilet and photovoltaic power generation equipment.

The participants expressed their satisfaction with the tour due to the guides' easy to understand explanations and because it afforded the opportunity to visit places that HU students, let alone members of the general public, rarely have the opportunity to see.



participants on the Sustainable Campus Tour



2010 Sustainable Campus Tour participants



CLARK THEATER 2010

Overview

Date	October 29 -November 3 (Fri. – Wed.) (Finished)
Organizer	Hokudai Theater Project Execution Committee 2010
Co-host	Hokkaido University GAIA Project
Venue	Hokkaido University Clark Memorial Student Center
Language: Japanese, others Intended Audience: researchers, general public, college students, high school students, elementary and junior high school students	
Outline	<p>With the aim of creating a forum for communication through images and movies, this theater will be established to show culturally enlightened movies for a limited period.</p> <p>The concept of this fifth year in the series is “Beyond Borders.” We will show a variety of movies that transcend generations and status as well as movie genres and themes. A number of related events are also scheduled, including the showing of a short film produced at Hokkaido University, a documentary called Gaia Symphony and a talk show with guests. We look forward to the participation of junior and high school students, university students and members of the general public.</p>
Registration	Not-required
Fees	Some films will be free of charge. (TBA)
Contact	Hokudai Theater Project Execution Committee 2010 E-mail: info[at]clarktheater.jp
URL	Hokudai Theater Project http://www.clarktheater.jp/index.php

Report

Clark Theater 2010 featured short films previously unreleased at movie theaters, works by film directors from Sapporo, and a film shot at Hokkaido University entitled *Crystallized*. The event opened with a talk session on film education led by Professor Teiichi Nishioka from the Graduate School of Library, Information and Media Studies of the University of Tsukuba; Yo Nakajima, a representative of Theater Kino (a nonprofit, citizen-funded movie theater in Sapporo), and Wataru Hayakawa, a Hokkaido University alumnus and film director.

This year, Clark Theater collaborated with the Hokkaido University student organization, GAIA Project, which annually produces the nonprofit documentary movie series “Gaia Symphony”. The latest installment of the series, *Gaia Symphony No.7* was shown and we welcomed Gaia Symphony director Mr. Jin Tatsumura as our guest. In his talk, he shared with us behind the scenes happenings and other valuable stories. Tatsumura remarked that global environmental problems have gone beyond the boundaries of finding individual solutions, and require worldwide attention to solve problems. With this in mind, *Gaia Symphony No. 7* makes us question how we should live in such a situation.

Also shown was a work by Sapporo film artist Akiyoshi Kitagawa, *Think Gaia, Act Utonai*. We cannot find natural environments that remain completely unspoiled around Sapporo, but this film showcases the rich and splendid natural environment of the Utonai and Yufutsu regions in Tomakomai and highlights the relationship between nature and people. The showing of these two films provided viewers with an opportunity to consider the natural environment both from global and local perspectives.

The Hokudai Theater Project Execution Committee will continue activities toward establishing a permanent movie theater in Hokkaido to further develop the university’s visual culture. Through our work, we would like to highlight problems inherent to modern society from various perspectives.



people lining up to view the films



film director, Jin Tatsumura signs autographs

International symposium on Global Campus for Sustainability Education



Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44145>
(Link to [HUSCAP](#))

Data

Date October 29 (Fri.) 9:00~ **(Finished)**

Organizer Center for Sustainability Science, Hokkaido University

Co-host The university of Palangka Raya (Indonesia), International Institute for Water and Environmental Engineering (Burkina Faso), National Cheng Kung University (Taiwan), Zhejiang University (China), Pukyong National University (Korea), Swinburne University of Technology (Australia), University Sains Malaysia (Malaysia), Gajah Mada university (Indonesia)

Venue Hokkaido University Conference Hall

Language: English

Intended Audience: researchers, college students

Outline Sustainability Science is a new academic discipline that assimilates the viewpoints of various disciplines from the social and natural sciences in an attempt to resolve all manner of problems faced by modern society and realize a sustainable society.

In this international symposium, we will discuss educational methods of sustainability science and the operational problems involved in establishing global campuses where students in different countries can learn together. Several speakers have been invited from our partner universities in Indonesia, Taiwan, and several other countries with which we have collaborated on e-lectures on sustainability. We welcome the participation of all educators interested in the development of international education programs.



 [Poster Download](#)

*This symposium will be conducted as a part of “Special coordinated training program for Sustainability Leaders and Sustainability ‘Meisters’ (StraSS)” with financial support from JST/MEXT special coordination funds for promoting science and technology: Strategic program for fostering environmental leaders.



Registration	Not-required
Fees	Free
Contact	Center for Sustainability Science, Hokkaido University (Contact: S.Tanaka) TEL : +81-(0)11-706-4530 FAX : +81-(0)11-706-4534 E-mail : jimu@census.hokudai.ac.jp
URL	Center for Sustainability Science, Hokkaido University http://www.census.hokudai.ac.jp/

Report

This symposium was held as part of Hokkaido University’s Special Coordinated Training Program for Sustainability Leaders and Sustainability “Meisters” (StraSS), which was selected for the Strategic Program for Fostering Environmental Leaders under the Special Coordination Funds for Promoting Science and Technology managed by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Following the opening speech by Takeo Hondoh, Hokkaido University Executive and Vice President for International Affairs, representatives of Keio University, the International Institute for Water and Environmental Engineering (2iE) in Burkina Faso, and the United Nations University gave speeches. These three institutions implement Education for Sustainable Development (ESD) programs in Asia and Africa using the internet as well as inter-university networks. Professor Noriyuki Tanaka of the Hokkaido University Center for Sustainability Science followed with a presentation in which he outlined the StraSS program— initial training begun in 2010, program progression, and future operations. The symposium concluded with a panel discussion on the theme of a global campus for sustainability education.

During the panel discussion, each panelist cited a key term related to a global campus and explained its importance. This was followed by a discussion on the connections between the key words and their problems. The expansion of the internet has made it easy to establish a global campus and facilitated multinational exchanges. Panelists discussed a corollary advantage as well: students not only gain knowledge about other countries, but also come to reconsider their own countries and themselves. Drawbacks of global campuses were also pointed out, and included the difficulty of guaranteeing program quality, omission of regional characteristics due to the use of English as the primary language, and imbalance in the information received. In counter of these remarks, the importance and effectiveness of face-to-face communication was given. Taking these discussions into account, the panelists pledged to maintain a strong network and utilize it. They also agreed to work closely together to further improve the quality of a global campus for sustainability education. In closing, it was proposed that the next symposium will be held at the University of Palangka Raya (a partner institution of the StraSS program) in Central Kalimantan, Indonesia. The panelists were asked to participate in the next symposium and to cooperate with future symposiums.



discussing the lecture



answering questions from the audience

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44145>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Symposium on Northern Mountains: Past Change and Monitoring Network



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44275 (Link to HUSCAP)
Data	
Date	October 29 (Fri.) 13:00~ (Finished)
Organizer	IFES-GCOE: Global COE Program “Establishment of Center for Integrated Field Environmental Science” Graduate School of Environmental Science & Division of Environmental Resources, Graduate School of Agriculture
Co-host	”Current situation of biodiversity crisis in the forest-alpine ecotone and mechanism under global change” (The Environment Research and Technology Development Fund D-0904 of the Ministry of Environment, Japan)
Venue	Hokkaido University Conference Hall
Language: Japanese (English support is available)	
Intended Audience: researchers, general public, college students	
Outline	Environmental change is rapidly taking place in the mountains of northern Japan, such as the Daisetsuzan National Park, as represented by the decreasing diversity of alpine plants. This event will outline such changes found through field and satellite observation efforts implemented over a period of many years. The session will also include discussion of the environmental observation and monitoring network needed to assess the sustainability of ecosystem services in northern mountain areas and to prevent weather disasters such as last year’s fatal accident that killed a number of elderly hikers. We look forward to the participation of members of the general public, students and experts who are interested in mountain ecosystems and biodiversity.
Registration	Not-required
Fees	Free
Contact	Global COE Unit, Faculty of Environmental Earth Science, Hokkaido University (Contact: A. Kondoh) TEL: +81-(0)11-706-4862 FAX: +81-(0)11-706-4867 E-mail: a.kondoh[at]ees.hokudai.ac.jp

Report

Mountainous areas far removed from human settlements are undergoing changes due to the impact of human activities. Observations by researchers over a period of many years have shed light on various changes that have taken place in these environments.

Phenomena and events that are widely publicized in society are sometimes exaggerated and this symposium served as a forum to inform members of the general public of several phenomena and changes that have been revealed by long-term research observations.

Particular emphasis was placed on mountains in Hokkaido, with examples from the Hakkoda Mountains in Aomori Prefecture, and the Himalaya Mountains in Nepal.

A wide range of topics was covered: illegal digging, entrance by people and deer, decreases in plant species due to opportunistic people planting specific species for selfish reasons, pollution of the flora, disappearance of flower fields from alpine regions, and the decline of conifer species in upland moorland areas and subalpine zones which are believed to have been caused by global warming and other worldwide changes. Properties of permafrost soil in the Daisetsu Mountain Range and real changes that have been taking place in the Himalayan glaciers were also discussed. Although the symposium was held on a workday, an audience of nearly 90 people, most of whom were local residents, listened to the speakers and participated in a lively Q&A session and showed a high level of interest in mountain environments. The organizers would like to express our profound respect towards the speakers for the decades of steadfast research efforts and for the opportunity for researchers and the general public to achieve a common awareness of the need to communicate data and observation systems from generation to generation.



a full audience listens attentively



a full audience listens attentively

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44275>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Key Issues for Carbon Storage and Biodiversity -Tropical Peat and Forest-



Overview

Date	October 30 (Sat.) 9:30~ (Finished)
Organizer	Center for Sustainability Science, Hokkaido University
Venue	Hokkaido University Conference Hall
Language: English/Japanese (Interpretation will be provided)	
Intended Audience: researchers, general public, college students, high school students	
Outline	<p>Morning: Researchers from Hokkaido University – an institution advocating the Carbon Initiative at the cutting edge of tropical peat and forest research – will discuss the tropical peat forest, biodiversity and the establishment of an international network.</p> <p>Afternoon: The present status of tropical peat and forest , which are currently facing widespread destruction, and challenges related to their conservation will be outlined for high school students and members of the general public.</p> <p>Attendees will learn the crises and what will become of the massive amounts of carbon stored in tropical peat lands and rich biodiversity extending over Southeast Asian islands, the Brazilian Amazon and Central Africa.</p>
Registration	Not-required
Fees	Free
Contact	Center for Sustainability Science, Hokkaido University (Contact: K. Hirose) TEL: +81-(0)11-706-4530 FAX: +81-(0)11-706-4534
URL	http://www.census.hokudai.ac.jp/html/JST_JICA/index.html

Report

This one day symposium was part of the Wild Fire and Carbon Management in Indonesian Peat Forests Project which was selected for the Science and Technology Research Partnership for Sustainable Development (SATREPS) initiatives of the Japan Science and Technology Agency (JST).

The morning session focused on technical topics for stakeholders in the project and international students at Hokkaido University.

A representative of the Japan International Cooperation Agency (JICA) outlined the SATREPS initiatives, and a researcher involved in the Wild Fire and Carbon Management in Indonesian Peat Forests Project gave an overview. Six researchers presented their research outcomes, and were followed by discussions by the participants concerning monitoring techniques for tropical peatland and requirements for peatland conservation. The discussions confirmed that the three most important factors of comprehensive tropical peatland management efforts are 1) continuous research activity, 2) capacity building, and 3) network building.

The afternoon session was open to the public and project members introduced their research activities. They discussed the relationships between tropical peatlands and biodiversity and the initiatives taken by the Indonesian government to protect the tropical peatlands. They underscored the importance of tropical peatlands due to their global distribution in areas rich in biodiversity and maintained that the protection of tropical peatlands will lead to biodiversity conservation.



participants pose for a group picture



posters on display for the poster contest

Hokkaido Community Care Symposium



Overview

Date	October 30 (Sat.) 13:00~ (Finished)
Organizer	Hokkaido Community Health Forum
Co-host	Hokkaido University Hospital Postgraduate Clinical Training Center
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	Medical services offered in local regions are at risk of collapse due to doctor shortages. This symposium will feature discussion on the types of cooperation that can be established between the government and local residents to protect medical services as well as on the viability of such cooperation. In the creation of sustainable local communities, health protection can no longer be left to medical professionals alone. It is necessary to form a mechanism for collaboration with clarified roles and challenges for local residents, the government, welfare workers and medical professionals. We look forward to the participation of university students, members of the general public, local government representatives and experts interested in enhancing the quality of medical and welfare services provided.
Registration	Required. Please register via our website by October 22. >> Registration
Fees	1,000yen. (Students: free)
Contact	Hokkaido University Graduate School of Medicine Healthcare Systems Research (Contact: M. Nikaido) TEL: +81-(0)11-706-7005 FAX: +81-(0)11-706-7628 E-mail: nikaido[at]med.hokudai.ac.jp

Report

Brush-up seminar

1. Title: *How and Do health promotion activities to revitalize communities and energize hospitals*
 Speaker: Takamitsu Shimada, physical therapist at San-ikai Azuma Hospital Medical Corporation
 Shimada spoke about various activities implemented at Azuma Hospital (in Ashoro), including health classes, medical lectures, and in-hospital events. He also discussed the aims and advantages of medical activities as well as how those activities are operated.
2. Title: *What is community rehabilitation?*
 Speaker: Masashi Kume, chief engineer of the Physical Therapy Office, Akkeshi Hospital
 Kume highlighted the difference between providing information and actually getting information across. He explained the definition of community rehabilitation practices and efforts taken to put a system in place. He also shared initiatives that are implemented in Akkeshi.

Keynote lecture

Title: *Expectations toward Community Medicine in Hokkaido*

Speaker: Yoshiko Tsujimoto, President of the nonprofit organization, Consumer Organization for Medicine and Law (COML)

What does “consent” mean? What does “collaboration” mean? Tsujimoto spoke about informed consent based on his own experience as a patient. Relationships between health professionals and patients/local residents were also discussed.

Workshop

Title: *Considering Future Regional Medical Care Workshops*

The year 2010 marked the 15th anniversary of the establishment of the Hokkaido Regional Medical Care Workshop. At the workshop, past activities were reviewed and participants were asked the following three questions regarding future operations with a group discussion following.

1. How has your region changed over the past 15 years?
2. What has motivated you to continue community medicine without quitting?
3. What does the Hokkaido Regional Medical Care Workshop mean to you?

Achievements

The symposium attracted nearly 140 people from inside and outside Hokkaido University, including medical professionals, such as doctors, nurses, public health nurses, and physical therapists. Students and members of the general public participated as well.

The workshop built on knowledge attained in the lectures and many issues were discussed which involved a variety of occupations related to community medicine in Hokkaido. The organizers believe that participants took back the energy they will need to continue their work until next year's symposium.

In the future, the Hokkaido Regional Medical Care Workshop will reconsider how promotion activities will commence based on the many recommendations made by the participants.



audience members listen to the speaker



group discussions in the workshops

Symposium on the Possibility of a Green Welfare State : Toward Sustainable and Inclusive Growth



Overview

Date	November 1 (Mon.) 14:00~ (Finished)
Organizer	The Advanced Institute for Law and Politics, Hokkaido University
Co-host	Project of JSPS Grants-in-Aid For Scientific Research: New Politics for Welfare Regime and Organized Interests in Japan
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>This symposium will consider the feasibility of a green welfare state as a solution to maintaining a harmonious balance among the natural environment, social security and the economy. Much attention these days is paid to sustainable cooperation among the three fields of the natural environment (environmental policy), the reproduction of the next generation (social security policy) and the economy (economic and fiscal policy), which were previously independent of one another.</p> <p>We look forward to the attendance of many people at the keynote lecture by Professor Yoshinori Hiroi from Chiba University, who has discussed welfare policy from the viewpoint of a steady-state society, and the panel discussion involving Professor Jiro Yamaguchi from Hokkaido University and other distinguished panelists.</p>
Registration	Not-required
Fees	Free
Contact	<p>The Advanced Institute for Law and Politics, Hokkaido University TEL: +81-(0)11-706-4005 E-mail: jcenter[at]juris.hokudai.ac.jp</p>

Social security, the natural environment, and the economy were previously considered to be contradictory and independent of each other; however, cooperation and interrelationships between these fields have attracted much attention and changed this outlook.

This symposium highlighted a green welfare state based on cooperation between these three fields. Professor Yoshinori Hiroi of Chiba University, a leading researcher in this field, delivered the keynote lecture.

Professor Hiroi pointed out that cooperation between the fields of social security, the environment, and the economy requires a joint effort on national, global, and local levels. On a national level, he underlined the need for “social security for the first half of life,” which is implemented by shifting social security expenditure from the elderly to families and children as well as implementing psychosocial care to deal with unemployment and suicide. Other important policy issues he expounded were a shift in wealth distribution from flow (income) to stock (savings, land, assets), and integrating environmental policy and social security policy through the introduction of environmental taxes as revenue sources for social security. On a global level, progressing global aging leads toward a stationary point where population strikes a balance with resource consumption; this is important to developing a steady-state society. On a local level, it is important to take advantage of local communities to bring forth wealth that cannot be measured based on GDP figures alone. This goal can be achieved by designing a comprehensive policy that will factor in social security and community/ urban development.

In summary, Dr. Hiroi reiterated the importance of generating synergistic effects through cooperative efforts between social security, environmental policy, and economics, and redefining productivity so that it is not limited to labor productivity. In this way, various factors, not just an increase in GDP, become measures of social affluence and lead to the creation of a creative welfare state and a creative and stationary economic system.

Professor Jiro Yamaguchi and Professor Taro Miyamoto of Hokkaido University’s Graduate School of Law joined Professor Hiroi in a panel discussion in the second half of the symposium to discuss how such cooperation and generation of synergistic effects can be achieved under the present political and social circumstances. Members of the audience asked questions about future prospects and policy measures and a lively discussion ensued.



the speaker holds the attention of the audience



panelist Professor Yamaguchi (HU Graduate School of Law)

Symposium on EcoDesign of Low Carbon Society Based on Regional Partnership Between Urban and Rural Areas



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44267 (Link to HUSCAP)
Data	
Date	November 1 (Mon.) 13:00~ (Finished)
Organizer	Center for Sustainability Science, Hokkaido University
Co-host	Osaka University, Ritsumeikan University
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, college students	
Outline	<p>This symposium will showcase the results of research activities aimed at creating a low-carbon society – the term given to a society with low levels of CO2 emissions (a major cause of global warming) – in Asia.</p> <p>We have studied the nature of cooperation between rural and urban areas, including investigation of a system for the efficient use of biomass resources produced in rural areas to produce energy for urban areas. We will exchange views on future scenarios in Asia while introducing the ideal material-cycle system for energy and materials as understood from relevant examples in Hokkaido and China.</p>
Registration	Not-required (Charge: Free)
Contact	Hokkaido University Center for Sustainability Science (Contact: T. Sato) TEL : +81-(0)11-706-4586 FAX : +81-(0)11-706-4534 E-mail : toshikisato@census.hokudai.ac.jp
URL	Center for Sustainability Science, Hokkaido University http://www.census.hokudai.ac.jp/

Report

A broad spectrum of people—from the general public to individuals from administrative institutions and businesses—comprised the audience at the symposium on food and energy (biomass) problems in Hokkaido. This symposium was part of the Ministry of Environment's project researching the necessary measures that need to be taken in order to achieve food and energy independence in Hokkaido. The keynote lecturer, Professor Noriyuki Kobayashi of Nihon University Law School, elaborated on the utilization of forests in Hokkaido for the creation of a low-carbon society from the viewpoint of a partnership between urban and rural areas. After the lecture, representatives from Shimokawa Town Office and Furano City Office presented examples of regional initiatives geared toward creation of a sustainable society, and Professor Mitsuru Osaki of Hokkaido University's Research Faculty of Agriculture made several proposals toward the self-sufficiency of Hokkaido. To conclude the event, a panel discussion was held and opinions concerning the prefecture's self-sufficiency were exchanged.

The Ministry's project will conclude in March 2011 and will be summarized based mainly on the regional programs discussed at the symposium toward the creation of a sustainable low-carbon society, the information and views shared by the speakers, and the opinions of panelists and the audience. The achievements of this symposium are not only reflected by its influence on the summary, but also because it helped strengthen the cooperative relationships between the Hokkaido University Center for Sustainability Science and the municipalities participating in the symposium. The relationship with HU joint research partners, Osaka University and Ritsumeikan University was also strengthened and cooperation in a new project is under way.



audience members



the panelists

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44267>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Workshop for the 2nd Amur-Okhotsk Consortium Meeting 2011



Overview

Date	November 1 (Mon.) – 2 (Tue.) 13:00~ (Finished)
Organizer	Institute of Low Temperature Science & Slavic Research Center, Hokkaido University New Energy Resources Research Center, Kitami Institute of Technology
Co-Organizer	Research Institute for Humanity and Nature, Hokkaido University Global COE Program “Reshaping Japan’s Border Studies” Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure and Transport
Venue	Hokkaido University Slavic Research Center
Language: Japanese, Russian, English	
Intended Audience: researchers, college students, general public	
Outline	The Amur-Okhotsk Consortium is an international network of scientists aiming to conserve the environment of the Amur River basin (shared by Mongolia, Russia and China) and the Sea of Okhotsk in its downstream area. This year, the consortium focuses on selecting topics of discussion for its second meeting scheduled for 2011. Established in November 2009, the consortium seeks to develop a common understanding of sustainable environmental use that does not damage the diversity of regional economies, society and culture. We look forward to the participation of students and citizens who are interested in the development of an international framework for environmental conservation.
Registration	Not-required
Fees	Free
Contact	Administration office of the Amur-Okhotsk Consortium, Pan Okhotsk Research Center, Institute of Low Temperature Science, Hokkaido University FAX: +81-(0)11-7142 E-mail : ao-symposium[at]lowtem.hokudai.ac.jp
URL	http://www.chikyu.ac.jp/AMOC/

Report

The Amur-Okhotsk Consortium is an international network of scientists involved in intensive multinational discussions on environmental conservation and sustainable development of the region covering the Amur River basin and the Sea of Okhotsk. The preparatory meeting for the 2nd Amur-Okhotsk Consortium Meeting 2011 included a workshop and the first day began with a lecture meeting for students and members of the general public. In addition to the representatives of the three member countries of the consortium (Japan, China and Russia), two representatives from Mongolia, which expressed interest in joining the consortium, as well as lecturers from the Ministry of Foreign Affairs of Japan, the United Nations Environment Programme (UNEP), and the Economic Research Institute for Northeast Asia (ERINA) spoke about problems in the Amur-Okhotsk region.

On Day 2, additional participants representing the Hokkaido University Institute of Low Temperature Science, Hokkaido University Slavic Research Center, the Kitami Institute of Technology's New Energy Resources Research Center, the Research Institute for Humanity and Nature, Hokkaido University Global COE Program "Reshaping Japan's Border Studies," and the Hokkaido Regional Development Bureau of the Ministry of Land, Infrastructure, Transport and Tourism discussed the operation of the consortium and the topics concerning the consortium. They decided to hold the 2nd consortium meeting in Sapporo on November 4-6, 2011. They also agreed that the member countries will continue to coordinate topics of discussion and that their representatives will make the necessary arrangements in their respective countries.

The workshop took place amid tense conditions due to discord between Japan and China over the collisions between a Chinese trawler and Japan Coast Guard vessels near the disputed Senkaku Islands, and Russian President Dmitry Medvedev's sudden visit to Kunashiri Island on November 1. The scientists from Japan, China, Russia and Mongolia confirmed the need for the consortium as a forum based on scholarship which enables its members to meet regularly to discuss trans-boundary environmental problems. Forum members agreed to boost their activities by various methods, including improving the consortium's web pages. The workshop was introduced in the morning edition of the Hokkaido Shimbun on November 3, 2010.



exchanging opinions



Q&A session

Symposium on Expanding the Potential of Children in Future Society



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44465 (Link to HUSCAP)
Data	
Date	November 2 (Tues.) 13:00~ (Finished)
Organizer	Faculty of Health Sciences, Hokkaido University
Co-host	Hokkaido University Center for Environmental and Health Sciences, Support Office for Female Researchers
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>This symposium will include discussion on the physical fitness and health of children, their mental development, culture and child rearing, and parenting in a gender-equal world with the aim of creating a society that values the future potential of children. Due to demographic graying and a falling birthrate, Japan's population has begun to decline. It is therefore imperative to develop a new outlook for the country with ties to the rest of the world and conditions in which children – the guardians of the future – can grow up in perfect health.</p> <p>We hope that members of the citizen, students and experts who are interested in child health and child-rearing will join us in thinking about a society that will expand the potential of children.</p>
Registration	Not-required
Fees	Free
Contact	<p>General Affairs Section, Faculty of Health Sciences, Hokkaido University TEL: +81-(0)11-706-3315 E-mail: shomu[at]hs.hokudai.ac.jp</p>

Report

The symposium on Expanding the Potential of Children in Future Society was held with Professor Kazuko Saeki of the Department of Comprehensive Development Nursing, Faculty of Health Sciences as the chair. Four speakers delivered lectures.

“Prescriptions for Children Living in an Age of Increasing Obesity and Declining Physical Strength – The Physiques and Fitness of Children in Asia and Japan”: Taro Yamauchi, an associate professor of the Department of Comprehensive Development Nursing, Faculty of Health Sciences, compared the prevalence of obesity among children in Japan and Indonesia using the results of fieldwork he conducted in Indonesia. He underlined the importance of children playing in nature as a prescription against obesity and declining physical strength.

“Depression and Developmental Disabilities in Children”: Professor Kenzo Denda of the Department of Functioning and Disability, Faculty of Health Sciences, illustrated with examples the change in the incidence rate of depression among children based on an epidemiological survey, and also the actual state of children with developmental disabilities including information on the latest treatments.

“Child Care through Cultural Activities and Community Ties”: Assistant Professor Hikaru Honda of the Department of Comprehensive Development Nursing, Faculty of Health Sciences, used child care initiatives on Miyakojima Island in Okinawa to illustrate that culture is an intangible community asset and also talked about realizing the full potential of children.

“Gender-Equal Society Considered from the Viewpoint of Children”: Professor Sanae Ariga of the Research Faculty of Agriculture and the Graduate School of Life Science (also serving as the Director of the Support Office for Female Researchers in Hokkaido University) spoke from the stance and viewpoint of children on how female researchers can strike a balance between child rearing and research and also suggested a direction to take to promote a gender-equal society.

The stagnation of present day Japanese society is reflected in the prevalence of health issues that affect children and threaten to affect the health of even more children. Children have become harbingers of adult-onset diseases and holders of psychological problems. To offer an opportunity for us to obtain various perspectives on ideal social systems this symposium took into account that child rearing takes place in a socio-cultural context.

More than 90 percent of participants that answered the post-symposium questionnaire, responded that they either “Strongly agree” or “Slightly Agree” that they were provided an opportunity to consider the future of children. This result shows that we were successful in conveying the symposium themes and 160 participants left the hall with a great sense of satisfaction.



Dean Kobayashi of the Graduate School of Health Sciences greets audience members



Professor Denda lectures on "Depression and Developmental Disabilities in Children"

◆Download the presentation




data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44465>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

The 3rd International Symposium on Sentinel Earth—Advance in Satellite Imagery Data and GIS and Their Application-



Overview

Date	November 3 – 5 (Wed. – Fri.) 9:30~ (Finished)
Organizer	Hokkaido University (Graduate School of Information Science and Technology, Research Faculty of Engineering, Research Faculty of Science, Research Faculty of Environmental Earth Science, Research Faculty of Fisheries Science, Institute of Low Temperature Science, Support Office for Space Science and Engineering), Asia Institute of Technology, University of Alaska, University of Palangkaraya, Japan Aerospace Exploration Agency (JAXA), Remote Sensing Technology Center of Japan (RESTEC)
Venue	Hokkaido University Conference Hall
Language: Public Lecture: Japanese / Symposium: English	
Intended Audience: researchers, general republic, college students	
Outline	<p>This is an open lecture for the general public and an international symposium for experts. The public lecture will focus on problems stemming from CO2 emissions – a major cause of global warming – and give an easy-to-understand overview of the related issues.</p> <p>The symposium will provide a forum for the presentation of findings on research into earth observation using satellite image data and their latest usage. The outcomes of research regarding the latest progress in Geographic Information Science (GIS) and the state of its usage will also be presented, along with the results of studies on using satellite data to detect forest · wild fires in Alaska and Indonesia.</p> <p> Public Lecture on Nov.3 (Japanese Only, 77KB)</p> <p> Download Program (62KB)</p> <p> Download Abstract (3.3MB)</p>
Registration	Not-required
Fees	Free
Contact	Ms. Rina Ishige, Hokkaido University Graduate School of Information Science and Technology TEL : +81-(0)11-706-7691 E-mail : ishige[at]scc.ist.hokudai.ac.jp

Report

Videos and up-to-date data were presented on the first day of the Nov. 3 public lectures titled *Counter Argument to the Hidden Agenda of Global Warming* and *Behind HAYABUSA's Successful Voyage: Ion Engines Save the Day!*

Research workshops were held for experts on the second and third days. The first of these featured remote sensing, and speakers included instructors from the Japan Aerospace Exploration Agency (JAXA) collaborative research group at Hokkaido University's Graduate School of Information Science and Technology. Other sessions concentrated on unmanned aircraft vehicles and wireless sensor networks with researchers from the University of Alaska, Seoul National University, Budapest University of Technology and Economics, Politecnico di Torino as well as private Japanese companies outlining the present status and the latest application systems.

The third day progressed with discussions on geographic information systems based on presentations made by researchers from University College London, Budapest University of Technology and Economics, Ritsumeikan University, and Keio University. The session following focused on the Fire Danger Rating System; a part of the research activities under the Sentinel Asia initiative. Researchers from JAXA, the U.S.A., Indonesia, and Malaysia presented their research outcomes regarding the establishment of an early warning system for fire prevention and management.

Through these presentations and discussions, the participants agreed that a GIS integrated platform that integrates technologies for satellite remote sensing, unmanned aircraft observation, and wireless sensor networks will acquire greater importance for the observation of changes in the global environment. They also shared a common awareness of the importance of public education about new ways to use satellite data.



participants pose for a group picture



visiting the Engineering Dept.

The Instruction on Research Diagnostic Criteria for Temporomandibular Disorders



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44443 (Link to HUSCAP)
Data	
Date	November 3 (Wed.) (Finished) 10:00-12:00 Lecture, 13:00-15:00 Practical Training, 15:00-15:30 Discussion
Organizer	Graduate School of Dental Medicine, Hokkaido University
Venue	Hokkaido University Conference Hall
Language: English/Japanese (Consecutive interpretation will be provided)	
Intended Audience: researchers, grad students, dental practitioners	
Outline	Temporomandibular joint disorder is becoming a lifestyle-related disease among Japan's graying population. This workshop offers opportunities to learn about the diagnostic approach to this disease, whose symptoms include jaw pain and reduced ability to open the mouth. Dr. Thomas List from Sweden and Dr. Peter Svensson from Denmark, who played central roles in the recent establishment of international diagnostic criteria for the condition (RDC/TMD), will present the diagnostic approach at the workshop. We hope to see a wide range of dental practitioners and researchers at this world's first workshop covering related leading-edge research.
Registration	Required >> Web Registrations
Admission	Free
Contact	Assistant Prof. Taro Arima, Graduate School of Dental Medicine, Hokkaido University TEL: +81-(0)11-706-4275 E-mail : tar[at]den.hokudai.ac.jp

Report

Despite the rain the morning of the International Discourse on Diagnosing Temporomandibular Disorders (TMD) Workshop supervised by Professor Noboru Ohata of the Graduate School of Dental Medicine, approximately 80 people attended. Assistant Professor Taro Arima, also of the Graduate School of Dental Medicine, informed the audience that the event was part of the National University Festa 2010, and that national universities could contribute to society by publicizing educational and research achievements through lectures and practical training sessions. He also elaborated on the effectiveness of splints (mouthpieces) as a treatment option for TMD.

Following Arima, Professor Peter Svensson of Aarhus University (Denmark) gave background information on how the international standards establishing diagnostic criteria for temporomandibular disorders (RDC/TMD) were formed as well as information regarding the accuracy and sensitivity of related diagnostic approaches. The workshop concluded with former president of the International RDC/TMD Consortium, Professor Thomas List of Malmö University (Sweden) demonstrating how diagnostic tests are conducted.

Workshop participants were delighted to have the opportunity to learn through demonstration and lecture about international diagnostic criteria from former and present presidents of the consortium. The level of interest on the subjects was so high that the Q&A session continued well beyond the scheduled finish time.



audience members



leading researcher on diagnosing
Temporomandibular disorders

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44443>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Public Program on Health Sciences



Overview

Date	November 3 (Wed.) 13:00~ (Finished)
Organizer	Public Program Committee in Faculty of Health Sciences, Hokkaido University
Venue	6th Floor, Faculty of Health Sciences, Hokkaido University
Language: Japanese Intended Audience: researchers, general public, college students, junior-high and high school students	
Outline	<p>This program is a three-hour introduction to a wide range of up-to-date research findings for qualitative improvement of health, from the basics of health sciences to applied technologies for the enhancement of vital functions.</p> <p>The event will focus on three topics in particular:</p> <ol style="list-style-type: none"> 1. research on functionality assessment of protein foods for the prevention of lifestyle-related diseases; 2. research on diagnosis and treatment of autism, Asperger's syndrome and other diseases; and 3. development of ideal wheelchair and office chair designs in consideration of physical stability. <p>We look forward to the participation of members of the general public, high school and university students, and experts who are interested in basic science concerning healthcare and technologies that will help to promote nursing care and welfare among other developments.</p>
Registration	<p>Required (Charge: free) Please register via website, e-mail or phone to the address listed below by October 29.</p> <p>>> Registrations</p>
Fees	Free
Contact	<p>General Affairs Section, Faculty of Health Sciences, Hokkaido University TEL: +81-(0)11-706-3315 E-mail: shomu[at]hs.hokudai.ac.jp</p>

Report

Despite overcast and changeable weather on Nov.3, the conference room was packed to capacity with an audience of 102 participants.

The Public Program on Health Sciences is an annual event and in 2010 three professors from Hokkaido University's Faculty of Health Sciences introduced their research programs. Other lectures were as follows:

1. *Food Faddism and Health Food – Aren't You Misled by the Media?* (Professor Takanori Moriyama): problems with advertisements and other related issues of so-called diet foods
2. *Neuroscience of Developmental Disabilities – a Brain That Understands How the Other Party Feels* (Professor Junko Fukushima): specific examples, including Asperger's syndrome, and the latest research results
3. *The World as Seen from a Wheelchair – Progress in Wheelchair Seating and Its Application to Office Chairs* (Professor Tatsuo Hatta): from the development of wheelchairs for people with disabilities to the development of office chairs for able-bodied people, and design policies

The lecturer's subjects were in line with the key phrases of the Sustainability Weeks 2010 event – health, sanitation, social welfare and aging society—and were both timely and stimulating to the audience as evidenced by the praise bestowed in the post-event questionnaire. All of the lectures were followed by lively Q&A sessions which attested to the high level of interest in the themes and in-depth understanding of technical presentations among the audience. The University plans to continue public programs such as this one to help local residents lead better lives.



Professor Hatta explains the vantage from a wheelchair



the event exceeded capacity

Seminar on Environmental Policy~Biodiversity and Climate Change~



Overview

Date	November 3 (Wed.) 14:00~17:00 (Finished)
Organizer	Hokkaido University Low-Carbon Society Project
Co-host	Ministry of the Environment Hokkaido Regional Office
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>This seminar will showcase biodiversity conservation and climate change issues in the context of policy measures while taking international trends into account.</p> <p>This event will introduce the latest trends in regard to topics of discussion by the 10th Conference of Parties to the United Nations Convention on Biological Diversity (COP10), scheduled to be held in Nagoya in October. The session will provide opportunities to examine environmental policies aimed at resolving biodiversity conservation for people in Hokkaido.</p> <p>This seminar also provides the trend of international discussion concerning climate change issues and the trend of domestic measures, starting the 16th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP16), which will be held in Mexico in November.</p>
Registration	Please register via Registrations .
Fees	Free
Contact	<p>Ministry of the Environment Hokkaido Regional Office</p> <p>TEL : +81-(0)11-299-1952</p> <p>E-mail: reo-hokkaido@env.go.jp</p>

Report

The 2010 seminar on Environmental Policy's theme, *Biodiversity and Climate Change*, was selected because the seminar was scheduled immediately after the 10th Conference of the Parties to the United Nations Convention on Biological Diversity (COP10), which was held in Nagoya, Aichi Prefecture, and before the 16th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP16). The event attracted 180 participants, including students and members of the general public.

Shigemoto Kajihara, Deputy Director-General of the Minister's Secretariat of the Ministry of the Environment, gave a lecture entitled Prospects of COP16 and the Japanese Government's Policy Measures to Tackle Global Warming. He illustrated the trend of international discussions on climate change toward COP 16 and the direction of the Japanese government's initiatives to combat global warming. The next speaker was Toshio Torii, Director of the Global Biodiversity Strategy Office of the Ministry of the Environment's Nature Conservation Bureau. Under the theme *What was Discussed at COP10?*, he spoke about the achievements of COP10, including the Nagoya Protocol and the Aichi Target, and future policy prospects. Furthermore, Professor Tetsuya Kondo of Hokkaido University's Research Faculty of Agriculture gave a lecture entitled *Biodiversity Conservation in Hokkaido and Climate Change* in which he commented that even in urban parks there exists a danger of global warming affecting vegetation.

A panel discussion held under the theme *Biodiversity Conservation and Climate Change* concluded the seminar and provided a forum for audience members to discuss related issues from a Hokkaido standpoint and take into account the trend of international discussions on biodiversity conservation and climate change discussed at COP10 and COP16.



the event proceed with a capacity audience



dialogue between the presenters



Business-Academia-Government Collaboration Seminar on Developments of Geo-spatial Information and Future World II

Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44127 (Link to HUSCAP)
Data	
Date	November 4 (Thu.) 13:00 ~ (Finished)
Organizer	Hokkaido University Graduate School of Letters, GIS Association of Japan Hokkaido Regional Office, Hokkaido GIS/GPS Society, Non-profit Organization "Digital Hokkaido"
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students, high school students	
Outline	<p>This seminar will introduce the latest trends of geo-spatial information usage in industry, government and academia, including its adoption for industrial promotion, conservation and management of the natural environment and the development of new welfare services. Geo-spatial information provides a social information infrastructure with growing expectations as a tool for creating a sustainable society. Using such information together with the geographic information system (GIS) and satellite positioning technologies is expected to help promote agriculture and fisheries – leading industries in Hokkaido – and develop social welfare services that will be effective in an aging society.</p> <p>We look forward to the participation of representatives from businesses and local governments as well as members of the general public who are interested in the application of this information infrastructure.</p>
Registration	Not-required
Fees	Free
Contact	Hokkaido University, Graduate School of Letters (Contact: Y. Hashimoto) TEL & FAX: +81-(0)11-706-4019 E-mail: you[at]chiri.let.hokudai.ac.jp

Geo-spatial information is a social information infrastructure for which there are increasing expectations as a tool for creating a sustainable society. Using such information together with the geographic information system (GIS) and satellite positioning technologies is expected to help promote agriculture and fisheries – leading industries in Hokkaido – and develop social welfare services that will be effective in the aging society.

This seminar focused on the use of geo-spatial information by local governments. Local government officials in charge of GIS introduced examples of initiatives to improve the efficiency of civil services and enhance the quality of services for residents. The event attracted more than 200 participants, many of which were actually from local governments, and indicated a high level of interest in the use and application of GIS by local governments.

At the outset of the seminar, the organizer, Associate Professor Yuichi Hashimoto of Hokkaido University Graduate School of Letters, explained the aims of the seminar. Tohru Ohba, the representative of the local government sub-committee of the GIS Association of Japan, one of the organizers (who also works for the Resident and Economic Affairs Department, Ichikawa Municipal Office), spoke in his keynote lecture about the utilization of geo-spatial information by local governments and its future prospects.

The following speakers and their themes were: Motoaki Ishiguro of the Department of Construction of Hokkaido Government's Bureau of Public Works, who spoke about GIS for flood control in Hokkaido; Yasuaki Hiratsuka of the Information Technology Promotion Department of Sapporo City speaking on the utilization of geographic information data in Sapporo; and Kazuyuki Sawada of the Industrial Promotion and Information Technology Promotion Office, Economic Affairs Department, Iwamizawa City, about ICT policy measures and the utilization of local government GIS in Iwamizawa. Making presentations during the latter half of the seminar were Tatsuya Fujiwara from Hokkaido GIS/GPS Society and Akihiro Akabuchi from Hunes Co., Ltd. They gave their analysis of the current situation and what they perceived to be the future prospects of local government GIS in Hokkaido. To summarize the seminar, Hidemi Fukada, Associate Professor of Otaru University of Commerce's Department of Information and Management Science made reference to the viewpoints of project management under the title Development Process Analysis and Future Prospects of Local Government GIS.



explaining the aims of the seminar



audience members

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44127>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Hokkaido Marine Bioscience Symposium



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44155 (Link to HUSCAP)
Data	
Date	November 5 (Fri.) 13:00~ (Finished)
Organizer	Hokkaido Marine Bioscience Society, IFES-GCOE Global COE Program 'Establishment of Center for Integrated Field Environmental Science', Hokkaido University
Venue	Room# D201, Graduate School of Environmental Science, Hokkaido University
Language: Japanese	
Intended Audience: researchers, college students	
Outline	<p>This symposium will offer opportunities to consider current and future effects of global warming, ocean acidification and human activities on marine organisms in seas close to Hokkaido.</p> <p>Surrounded by three seas (the Pacific Ocean, the Sea of Japan and the Sea of Okhotsk), Hokkaido has rich marine ecosystem environment and marine resources.</p> <p>In this symposium, citizens, students, fisheries parties and experts will gather in a room to discuss latest research findings towards marine ecosystem conservation and sustainable use of marine resources.</p> <p>>> Program</p>
Registration	Not-required
Fees	Free
Contact	Graduate School of Environmental Science, Hokkaido University (Contact: T. Okino) TEL: +81-(0)11-706-4519 E-mail: okino[at]ees.hokudai.ac.jp

Program

November 5, 2010 (Friday)

Start	Program	Lecturer
13:05-13:45	Properties of Halogenating Enzyme from Seaweed	Takashi OHSHIRO, Tottori University
13:45-14:25	Regional variation in species interactions between goose barnacles and mussels: sustainable coexistence by facilitation in ongoing global warming!?	Takashi KAWAI, Anan National College of Technology
14:25-15:05	Detection of factors controlling seagrass/algal bed formation in nation-wide scale and its relationships with local spatial pattern of the vegetation	Takehisa YAMAKITA, Forestry and Forest Products Research Institute
15:25-16:05	Direct impact of global warming on marine organisms: hypoxia and ocean acidification	Tsuneo ONO, Hokkaido National Fisheries Research Institute, Fisheries Research Agency
16:05-16:45	Plankton dominating oceanic ecosystems: Basis of firm sustainability of pelagic fisheries often criticized as primitive and exploitative activity	Akira TANIGUCHI, Tokyo University of Agriculture Okhotsk

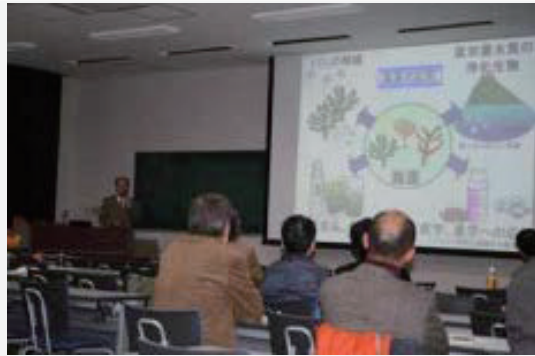
Report

The Hokkaido Marine Bioscience Society, the organizer of this symposium, offered flexible forums for exchanges that transcend the traditional framework of scholarly societies. Since this year's program was planned by students of the Graduate School of Environmental Science, it covered various topics, ranging from the latest research reports by young researchers to recommendations by seasoned scientists. Nearly 70 people from a number of institutions in- and outside Hokkaido University participated.

A lecture entitled *Direct Impact of Global Warming on Marine Organisms: Hypoxia and Ocean Acidification* by Tsuneo Ono from the Hokkaido National Fisheries Research Institute of the Fisheries Research Agency, made a strong impression on many participants. In addition to ocean acidification caused by global warming, he illustrated serious issues concerning the decreased oxygen content of subsurface waters such as the death of large numbers of fish, and predicted several phenomena that might take place in the future.

Many marine organisms contain halogenated compounds. During the symposium, the properties of halogenating enzymes derived from seaweed were analyzed and, two young researchers discussed the ecology of coastal waters and the changes in the environment.

The symposium closed with a fitting end to the Sustainability Weeks symposium as the lecturer explained that although fisheries are often criticized for performing primitive and exploitive activities, extensive fisheries are more civilized, or sustainable, than intensive ones. Although there was enough time for discussions during the symposium, lecturers, students and other participants continued lively exchanges of opinions even after the symposium closed.



a view of the symposium



a student asks a question

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44155>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

International Symposium on Child Poverty and Anti-poverty Strategy



Overview

Date	November 6 (Sat.) 13:00~ (Finished)
Organizer	Graduate School of Education, Hokkaido University
Co-host	Society for the Study of Poverty
Venue	Hokkaido University Conference Hall
Language: Japanese/English (Simultaneous interpretation will be provided)	
Intended Audience: researchers, college students	
Outline	The symposium will welcome a representative of the Child Poverty Action Group – a UK charity that promotes pioneering public activities to combat child poverty. The event will provide a forum for participants from Japan and the UK to discuss policy issues related to child poverty and awareness raising and to conceive counter-strategies for the future. Poverty adversely affects the growth and development of children, and Japan also suffers from policy issues and practical problems with child poverty in a wide range of fields including those of education, welfare, health and medical care. We look forward to the participation of members of the general public wishing to address poverty issues as well as the attendance of students, educators and experts.
Registration	Please register via website, e-mail or fax listed below by the end of October. >> Registrations
Fee	Free
Contact	Graduate School of Education, Hokkaido University (Contact: I. Matsumoto, M. Toriyama) FAX: +81-(0)11-706-3114 E-mail: tmadoka[at]edu.hokudai.ac.jp
URL	This symposium will be held as a part of The 3rd Conference of Society for the Study of Poverty. http://www.census.hokudai.ac.jp/ (Japanese only)

Report

This international symposium began with a keynote lecture entitled *Poverty, Families and Children* by Osamu Aoki of Nayoro City University. Next, Fran Bennett of the University of Oxford, former Director of the Child Poverty Action Group (CPAG), a leading civic organization committed to ending child and family poverty in the UK, outlined child poverty in her country and the activities of the CPAG. Her speech was followed by Naomi Yuzawa of Rikkyo University, who also serves as a co-founder of the Children's Anti-Poverty Network (Nakuso! Kodomo no Hinkon Network). She talked on the theme of *Child Poverty and Citizens' Activities in Japan*. After that, designated discussants – Aya Abe of the National Institute of Population and Social Security Research and Toshiro Yokoi of Hokkaido University – commented on the speeches and held discussions involving the audience. Ichiro Matsumoto of Hokkaido University served as the moderator.

In his presentation, Aoki emphasized that to understand poverty issues or issues of child poverty, it is necessary to grasp the relationship between markets and families. He also stressed the need to re-examine John Rawls' theory of justice when poverty is considered in relation to social justice. Bennett outlined the history of the CPAG as well as the challenges it faces in relation to Great Britain's postwar political history. Yuzawa shed some light on the current status of child poverty in Japan and gave an overview and problems with recent anti-poverty activities. The discussions that followed the speeches highlighted the need to re-examine the concept of child poverty itself as well as strategic issues involving consensus building in the society among other topics.

This was the first international symposium on child poverty ever to be held in Japan and was significant because major issues related to future research and practical activities were clarified and pave the way for continued international exchanges in this field.



an audience member interacts with the presenters



symposium presenters

International Symposium on “Reproductive Rights and The Sustainability of Women’s Health in Historical and Contemporary Perspectives”



Overview

Date	November 6 (Sat.) 14:10~ (Finished)
Organizer	Hokkaido University Center for Applied Ethics and Philosophy
Venue	Hokkaido University Conference Hall
Language: English (Translation will be provided)	
Intended Audience: researchers, general public, college students	
Outline	At this symposium, leading historians from Japan and the U.S. will discuss women’s health and welfare. Although women’s decisions on reproductive matters such as abortion, contraception and childbirth significantly affect their health and well-being, the enormous economic and social impacts of these issues have caused families, governments, religious organizations among others to impose a variety of related restrictions, including many adverse to the well-being of women and children. This session will provide chances to consider what should be changed and what should be left alone so that individuals can make optimal decisions for a better society.
Registration	Not-required
Fees	Free
Contact	Center for Applied Ethics and Philosophy, Hokkaido University (Contact: M. Nakachi) TEL: +81-(0)11-706-2865 E-mail: mnakachi[at]let.hokudai.ac.jp

Report

Professor Miho Ogino of Doshisha University's Graduate School of Global Studies and Rickie Solinger, a U.S. history researcher from New York City, were on hand on November 6 to give lectures on the political history of reproductive issues in Japan and the U.S.A. As industrial nations these countries have seen an increased interest in women's views on marriage, pregnancy, and childbirth; issues that are often discussed as social problems, but are in truth, not particularly well understood.

Professor Ogino presented a historical review and analysis of Japan's abortion and contraception policies after World War II and underlined in particular political developments stemming from the coincidence of interests between disability groups and feminists. She also analyzed the impact of these historical developments on today's issues of reproductive medicine and surrogate mothers. Dr. Solinger pointed out the limitations of the concept of reproductive rights with a convincing argument particularly focused on racist welfare and immigration policies in the 17th to 21st centuries in the U.S.A. In this regard, she introduced a new concept of reproductive justice. Since the concept of reproductive rights has not been established in Japan, her lecture gave the audience insight into cutting-edge arguments on the matter.

The lectures were followed by a Q&A session, during which reproductive experts from across Japan, as well as local residents actively asked questions which lead to high quality discussions and evidenced a high level of interest in the symposium. A report on these lectures is scheduled for publication.



guest speaker's lecture



an attentive audience

The 14th Ainu Language Speech Contest “ITAK AN RO”

~Let's Speak 'j' b' 5 'bi ' @b[i U Y'



Overview

Date	November 6 (Sat.) 10:00~ (Finished)
Organizer	The Foundation for Research and Promotion of Ainu Culture
Co-host	Center for Ainu & Indigenous Studies, Hokkaido University
Venue	Hokkaido University Clark Memorial Student Center
Language: Japanese / Ainu	
Intended Audience: researchers, general public, college students, high school students	
Outline	At this event, people learning Ainu language at 14 Ainu language schools in Hokkaido and elsewhere in the country will gather to exhibit the skills they have honed in practice. This year's ITAK AN RO Ainu language speech contest – the 14th in the series – will consist of the Oratorical Division and the Oral Literature Division. It will include performances of <i>Kamuy yukar</i> stories, and roughly 50 contestants of all ages will participate. We hope that many people ranging from elementary school students to adults will take this precious opportunity to experience the rarely heard Ainu language and remember that Japan is a multicultural, multi-ethnic and multilingual country.
Registration	Not-required
Fees	Free
Contact	The Foundation for Research and Promotion of Ainu Culture TEL: +81-(0)11-271-4171 E-mail: ainu[at]frpac.or.jp

Report

Currently, there are 14 Ainu language schools in Hokkaido and several more in the Kanto and other regions in Japan. However, students do not have many opportunities to exhibit the practical skills they have honed. Against this backdrop, the Foundation for Research and Promotion of Ainu Culture annually hosts an Ainu Language Speech Contest with the aims of inspiring and motivating Ainu language learners by providing an opportunity for them to demonstrate their skills, and giving the general public a forum to come into contact with this uncommon language.

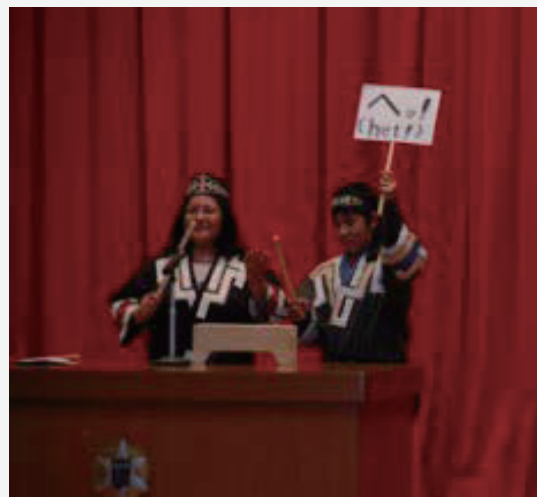
The 2010 speech contest was the 14th in this series and was held as part of the Sustainability Weeks 2010 program jointly with the Center for Ainu & Indigenous Studies at Hokkaido University, which co-hosted the event.

The contest consisted of four divisions: a Children's Division for junior high school students and younger children; an Oral Literature Division for adults to present traditional oral literature; an Oratorical Division for speakers to express their principles and opinions clearly in the Ainu language; and a Recital Division for past Grand Prix Award winners to show how their skills have improved. This year's contestants were mainly from Hokkaido, but also included some from various other parts of the country. A total of 45 contestants in 29 groups – 7 groups in the Children's Division, 12 groups in the Oral Literature Division, 4 groups in the Oratorical Division, and 6 groups in the Recital Division – demonstrated their hard-earned speaking skills. Judges selected winners of the Grand Prix Award and the Outstanding Performance Award.

The planners believe in the continuation of an Ainu language speech contest that is meaningful for Ainu language learners and also helps to disseminate and promote the language among visitors and the communities where it is held.



speech contest participant



enthusiastic participants



awarding the prizes

Special Lecture “Intergenerational Justice and Health in an Aging Society”



Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44292>
(Link to [HUSCAP](#))

Data

Date November 7 (Sun.) 13:00 – 14:30 **(Finished)**

Organizer Center for Applied Ethics and Philosophy, Hokkaido University

Venue Hokkaido University Center for Experimental Research in Social Science W409

Language: English

Intended Audience: researchers, general public, college students

Outline We will host a special lecture by Harvard University’s Prof. Norman Daniels – a leading expert on public health ethics – on health promotion in an aging society and the allocation of medical resources necessary for such promotion. As a population ages, some can and some cannot afford proper medical care. Professor Daniels will talk about such issues from the viewpoint of Justice. He will also focus on the allocation of medical resources, such as doctors, medicine and medical equipment, that will catalyze the promotion of public health.

As a Japanese interpretation service will be provided for this English-language lecture, we hope many young people and members of the general public will attend.

Registration Not-required

Fees Free

Contact Center for Applied Ethics and Philosophy, Hokkaido University (Contact: S.Majima)
TEL : +81-(0)11-706-3062
E-mail : [caep\[at\]let.hokudai.ac.jp](mailto:caep[at]let.hokudai.ac.jp)

URL Hokkaido University Center for Applied Ethics and Philosophy
<http://ethics.let.hokudai.ac.jp/>

Dr. Norman Daniels, a leading expert in the field of public health philosophy and ethics of the Harvard School of Public Health gave a lecture on John Rawls' theory of reflective equilibrium as part of the 5th International Conference on Applied Ethics that was jointly hosted by Hokkaido University Graduate School of Letters and the Center for Applied Ethics and Philosophy (CAEP).

Dr. Daniels' research on the proper allocation of medical resources is well known in Japan and several of his papers have been translated into Japanese. Under the theme *Intergenerational Justice, Health and Global Aging*, he discussed health promotion in an aging society and the allocation of medical and other resources from the viewpoint of fair allocation in intergenerational justice.

The graying of the population in industrial nations poses serious problems and is also an issue in the field of bioethics. Fair intergenerational allocation of medical resources has become a major issue particularly in Italy, where fertility rates have rapidly declined, and in China, where aging has rapidly progressed due to the combination of low birthrates, low mortality, and the government's one-child policy. Despite this situation, it is difficult to actually resolve the issue of how medical resources should be allocated in an aging society. This is because the issue of resource allocation in an aging society cannot be resolved simply in terms of fair allocation of medical resources between age groups—the equitable allocation between young people and elderly people—it also has to take into consideration that in an aging society those born in a certain generation may have incurred more disadvantages than those born in other generations; and as Dr. Daniels pointed out in his lecture, the task for the future is to come up with ideas on how to rectify these disadvantages.

Professor Virginia Held of the City University of New York and Professor Søren Holm of the University of Manchester, who were both in the audience, as well as international students asked many interesting questions in the Q&A session following the lecture.



Dr. Norman Daniels, Harvard School of Public Health speaks on public health philosophy and ethics



speaker explaining their subject

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44292>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

Public Lecture: Theory and Practice of Fisheries Sustainability Science



Overview

Presentation	http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44246 (Link to HUSCAP)
Data	
Date	November 9 (Tues.) 9:30~ (Finished)
Organizer	Faculty of Fisheries Sciences, Hokkaido University
Co-host	Science Council of Japan (Plan), Hakodate City
Venue	Hakodate Community Design Center 2F (4-9, Suehiro-cho, Hakodate, Hokkaido)
Language: English/Japanese (Consecutive interpretation will be provided)	
Intended Audience: researchers, general public, college students, fisherman	
Outline	<p>This event will provide opportunities to contemplate what should be done to ensure the sustainability of marine resources, such as salmon, sardines and tuna, so that people around the world can continue to use as seafood. Items on the agenda include food miles (an indicator how far food has travelled before it reaches the consumer), eco-labeling, food traceability, aquaculture and more. To conserve marine ecosystems and ensure the sustainable harvesting of seafood, both academic work and practice must be pursued.</p> <p>We look forward to the participation of students, members of the general public and representatives of businesses who are interested in fisheries sustainability.</p>
Registration	Required Please register via website, e-mail or fax listed below by October 29. >> Web registrations.
Fees	Free
Contact	Prof. Masahide Kaeriyama, Faculty of Fisheries Sciences, Hokkaido University TEL : +81-(0)138-40-5605 E-mail : salmon[at]fish.hokudai.ac.jp

Report

Of the earth's 6.5 billion people more than 2.9 billion of them rely on marine organisms as an important source of food. The phrase, "We Live Through Your Good Graces: Human Dependence on Marine Ecosystems" formed the basis for a discussion on how marine organisms and marine ecosystems should be protected to achieve our goal of creating a sustainable society where people are healthy and live with a sense of safety and security.

Marine ecosystems have contributed to the well-being of humankind by providing a variety of services that provide humans with food, material cycling biodiversity and peace of mind. However, marine ecosystems and the organisms that make up that ecosystem have been disturbed due to human based factors such as global warming and overfishing. The impact of humans in fishing for example, is evident when one considers that of all the fish caught in the world, only 50% is used directly as food. Twenty-five percent is used as fertilizer and fish meal, and the remaining 25% is discarded. Higher-order organisms such as some tuna species, have been decreasing in number due to overfishing and are now designated endangered species. The destruction does not stop there; seabed ecosystems have been simplified due to the destruction of marine habitats by trawl fishing. Marine ecosystems have been disturbed by human activities, resulting in decreased biodiversity and desertified marine habitats. To pass a viable society on to our successors, we have to think globally about how to protect food sources and the sea by acting locally on a case-by-case basis. The slogan, "Think globally, act locally", coined by Rense Dubos, and contracted to "glocal", succinctly states that it is important to think globally and strive to create a sustainable society locally.

The program was as follows:

Introduction:

- "What is Sustainability?" (Masahide Kaeriyama, Hokkaido University Faculty of Fisheries Sciences)

Keynote lecture 1:

- "Sustainability Science as It Applies to Fisheries" (Ussif Rashid Sumaila, Director of the Fisheries Centre, University of British Columbia, Canada)

Keynote lecture 2:

- "Global Citizenry and Sustainable Fisheries – a Day When Mackerel Costs More Than Fatty Tuna" (Tetsuji Ida, Science Division, Kyodo News Service)

Lectures on practical sustainable fisheries science:

- “MSC Eco-label for the Sustainability of Salmon” (Mitsuhiro Nagata, Salmon and Freshwater Fisheries Research Institute of Hokkaido Research Organization)
- “Striving for Sustainable Fish Farming – Examination of Genes” (Shuichi Kitada, Tokyo University of Marine Science and Technology)
- “Sustainable Aquaculture from Space: Application of a Geographic Information System and Satellite Remote Sensing” (I Nyoman Radiarta, Hokkaido University Faculty of Fisheries Sciences)
- “Forefront of Aquaculture Technology That is Immune to Environmental Changes – Utilization of Heat-Transfer Pipes and Ozone” (Yasuhiro Takigawa, Acceptor Techno Inc.)
- “Challenge to Sustainable Fisheries – a Path to Sustainable Fisheries Viewed from Stock Markets” (Gakushi Ishimura, Hokkaido University Center for Sustainability Science)
- “Sustainable Coastal Fisheries and Marine Ecosystem Conservation – with Shiretoko as an Example” (Yasunori Sakurai, Hokkaido University Faculty of Fisheries Sciences)

Discussion:

- “Glocal sustainability?” (Moderator: Sei-ichi Saitoh, Hokkaido University Faculty of Fisheries Sciences)



audience members



speakers and organizers commemorate the event with a group photo

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44246>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

SCJ Hokkaido District Conference “Green Innovations Originating in Hokkaido”



Overview

Date	November 15 (Mon.) 13:30~ (Finished)
Organizer	Hokkaido District Conference, Science Council of Japan Hokkaido University
Venue	Hokkaido University Conference Hall
Language: Japanese	
Intended Audience: researchers, general public, college students	
Outline	<p>This lecture meeting highlights proposals for new lifestyles as well as new forms of industry and economy that capitalize on Hokkaido's characteristics of a vast land area and a rich natural environment and on locally developed science and technology.</p> <p>Green innovation is aimed at creating coexistence between nature and humans by conserving and restoring the natural environment through reduced impacts on it and adapting to environmental changes such as natural disasters. The concept also helps to advance human development in general. This event will involve discussion of future prospects for green innovation and consideration of new roles for science and technology.</p> <p>We look forward to the participation of researchers, university students and members of the general public who are interested in the latest academic achievements in Hokkaido.</p>
Registration	Required >> Registrations
Fees	Free
Contact	Research Department, Hokkaido University (Contact: Y. Harada) TEL: +81-(0)11-706-2155, FAX: +81-(0)11-706-4873, E-mail: suishin[at]general.hokudai.ac.jp

Report

Green innovation aims to create coexistence between nature and humans by conserving and restoring the natural environment through reducing human impact and adapting to environmental changes such as natural disasters. This concept also helps to advance human development in general. The aims of this event were to discuss the future prospects of green innovation and to consider new approaches to science and technology. Among other topics, the conference highlighted new lifestyles as well as new forms of industry and economy that can capitalize on Hokkaido's characteristics of a vast land area and a rich natural environment and on locally developed science and technology.

The keynote lecture, *Vision for Japan and New Science and Technology*, was given by Shinichiro Ohgaki, Vice President of the Science Council of Japan and was followed by four presentations by researchers from Hokkaido University which explained the latest locally developed scientific achievements in simple terms to members of the general public:

- “Solar Cells Using Invisible Light, Infrared Rays” (Professor Hiroaki Misawa, Director of Hokkaido University Research Institute for Electronic Science)
- “Environmental Contribution by Geothermal Heat Pump Systems and Their Economic Effects in Hokkaido” (Professor Katsunori Nagano, Hokkaido University Faculty of Engineering)
- “Nanotechnology Developed by Hokkaido University That Enhances Convenience in Our Daily Lives” (Professor Bunshi Fugetsu, Hokkaido University Faculty of Environmental Earth Science)
- “Solar Energy Utilization and New Photocatalytic Technology for Environmental Cleanup” (Associate Professor Ryu Abe, Hokkaido University Catalysis Research Center)

Part 2 of the program consisted of a panel discussion with six panelists. Noriyuki Sato, a visiting professor of Hokkaido University's Creative Research Institution Sousei (CRIS) acted as the moderator. Professor Takemi Chikahisa of Hokkaido University Faculty of Engineering, and Professor Masako Kato of Hokkaido University Faculty of Science joined the lecturers of the first part in a lively exchange of opinion under the theme *What Will Be the Main Energy Source in Our Life?*



panel discussion



Vice President of the Science Council of Japan, Shinichiro Ohgaki delivers the keynote lecture

Fishing Down and Fisheries Sustainability Science



Overview

Presentation <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44517>
(Link to [HUSCAP](#))

Data

Date December 7, 2010 (Tues.) 14:30~ **(Finished)**

Organizer International Exchange Committee in the Faculty of Fisheries

Venue Hakodate Campus, Hokkaido University (3-1-1, Minato-cho, Hakodate, Hokkaido)

Language: English

Intended Audience: researchers, general public, college students

Outline is a Professor and Director of the Fisheries Centre at the University of British Columbia and Project Leader of the Sea. Around Us Project. Some of his primary work involves documenting the effects of overfishing. He authored a book entitled In a Perfect Ocean. For working to protect the environment, he earned a place in the 2003 Scientific American 50 and the 2005 International Cosmos Prize.



[Poster Download](#)

Registration Not-required

Fees Free

Contact Prof. Kaeriyama, Hokkaido University Faculty of Fisheries Sciences
TEL : +81-(0)138-40-5605 E-mail: [salmon\[at\]fish.hokudai.ac.jp](mailto:salmon[at]fish.hokudai.ac.jp)

We welcomed Professor Daniel Pauly of the University of British Columbia (UBC, Canada), a partner institution of Hokkaido University, who gave a special lecture on the *Present Trends and the Future of Fisheries*. The event, which took place at Hokkaido University's Hakodate Campus, attracted a total of 150 participants. Not only people from fisheries near the Hakodate Campus, but also many faculty members and students from the Sapporo Campus as well as members of the general public partook in animated discussions.

The summary of Professor Pauly's lecture is as follows:

The global fish catch has increased significantly since the end of World War II, particularly during the 1960s. However, catches began to fall in the 1970s due to global overfishing, and this downward trend has intensified. Industrialized countries in the Northern Hemisphere are not only responsible for the initial overfishing-induced decline in catches, but have also spread the effect toward deeper waters and further south to the coastal waters off developing countries and beyond into the Southern Hemisphere all the way down to Antarctica. As we entered the 21st century, the global expansion of fisheries is over, and global catches, which peaked in the 1980s, are continuing to decline. On the other hand, the collateral damage to marine ecosystems and biodiversity continue to increase as countries step up efforts to increase catches based on government subsidies. In developed countries, several factors contribute to the general public's ignorance of the scope of the fishery crisis: the amounts of fish imported by developed countries from developing nations have significantly increased, and there is a misleading perception that aquaculture can make up for any shortfalls stemming from fish catch decreases. These problems have a decisive impact on the future and bode ill for the next decade. Global warming will cause a decline in the potential catches in tropical areas and high-altitude regions will suffer extensive collapse of fisheries. Despite this, people are currently preoccupied with efforts to justify the failed resource management. These problems will cause a serious impact on marine ecosystems.

After the lecture, faculty members of the Graduate School of Fisheries Sciences had a meeting with Professor Pauly and agreed that UBC and Hokkaido University will promote educational exchanges of graduate students and make efforts to improve and expand FishBase, a comprehensive global database of information on fish and marine ecosystems.



Dr. Daniel Pauly of the University of British Columbia



the topic of global fisheries attracted many people

◆Download the presentation

data : <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/44517>

(Link to Hokkaido University Scholarly and Academic Papers ([HUSCAP](#)))

JSPS Core University Program Seminar “Proposal for Sustainable Fisheries”



Overview

Date	December 8 (Wed.) 13:00~ (Finished)
Organizer	Hokkaido University Pukyong National University
Co-host	Japan Promotion of Science Korea Research Foundation
Venue	Hanabishi Hotel , Yunokawa Onsen, Hakodate-city (1-16-18, Yunokawa-cho, Hakodate)
Language: Japanese / Korean (Translation will be provided)	
Intended Audience: researchers, general public, college students	
Outline	This seminar will focus on future cooperative relations in fisheries between Japan and Korea and offer the opportunity to review a project implemented by Hokkaido University and Korea's Pukyong National University over the past decade entitled Elucidation of fish resource fluctuation and development of zero-emission fishery with low environmental burden. The two countries will propose a new form of fisheries for the maritime environment they share to make effective use of marine resources while avoiding waste and the imposition of burdens on the surrounding environment; that is, they will make a proposal for sustainable fisheries in the future.
Registration	Not-required
Fees	Free
Contact	Faculty of Fisheries Sciences, Hokkaido University (Contact: K.Sawada) TEL: +81-(0)138-40-5504 E-mail: sawa3[at]imu.hokudai.ac.jp

Report

Since 2001, Hokkaido University and Pukyong National University in South Korea have jointly undertaken a research project entitled *Elucidation of fish resource fluctuation and development of zero-emission fishery with low environmental burden*. 2010 marked the final year of this research project whose aim was to establish a new form of fisheries that make effective use of finite marine resources without causing waste or imposing burdens on the surrounding environment.

The two institutions have taken turns to host an annual seminar on research projects, and the last was held in Hakodate, Hokkaido, Japan. Thirty-five researchers from South Korea attended the two-day discussions which involved a total of 100 participants.

The seminar's theme *Proposal for Sustainable Fisheries* was divided between four joint-research groups that researched the environment, fisheries, aquaculture, and food. Their research outcomes were reported and then discussed from the context of ways to realize sustainable fisheries as they recapitulated 10 years of research.

To mark the last year of this project, a poster session was included to present the work of graduate students who will shape the next generation. The selection of the Best Poster Award winners and the subsequent award ceremony helped enliven the atmosphere.

Because Japan and Korea share common migratory fish habitats, the two day event allowed researchers and graduate students to get together to study the present status of the marine environment and contemplate what constitutes an ideal future. Hokkaido University and Pukyong National University are expected to continue to build on the intellectual exchanges fostered over the past 10 years to center on young researchers who will lead the next generation.



graduate student award recipients of the poster session pose with Japanese and Korean coordinators



seminar participants pose for a group photo