About This Document

This is the overview report of Hokkaido University Initiative for Sustainable Development (HUISD) from 2005 to 2009. This mainly consists of PDF files converted from the website or the report of the Initiative for Sustainable Development.

To keep the records as of when the initiative was made, some pages include out-of-date information, website links, and contact information which is not valid currently.

This is the English report of HUISD from 2005-2009. It is also available in Japanese language as well as the annual reports of “Sustainability Weeks” which is a campaign Hokkaido University launched in 2007 to promote research and education for the realization of a sustainable society.

Also, please understand that it is difficult to answer inquiries about the initiative details. We hope this document helps you somehow to contribute to achieve a sustainable society.

Secretariat of Sustainability Weeks
Hokkaido University
March, 2017
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1. Overview of Activities
Overview

- **Strategy name**: Hokkaido University Initiative on Sustainable Development (HUISD)
- **Strategy period**: November, 2005 – March, 2010
- **Strategy goal**: To contribute to sustainable development
- **Organization and management of HUISD**: The Promotion Committee of HUISD
  - **Chairperson**: president of Hokkaido University
  - **Administration**: Division of International Planning, Research and International Academic Department
- **Objectives**: Hokkaido University, aspiring to promote its activities in the fields of education, research and social contribution as an internationally characteristic university, has set forth the following objectives:
  - To attract the world’s top university management resources
  - To contribute to the international society with those resources
- **Priority areas**: Hokkaido University has enough track record and accumulation of expertise to respond to international demands in extensive academic fields that constitute the foundation of sustainability. The representative academic fields include:
  - Global warming
  - Integrated water management
  - Establishment of a recycle-oriented international community
  - Stabilized securement of food and forest
  - Measures against infectious diseases
- **Activities and challenges**: The major activities aiming to contribute to make a sustainable society are
  - Reinforcement of exchanges with universities worldwide
  - Increase in the number of international students
  - Strengthening international public relations and overseas networks
- Promotion of international cooperation

- Member of the Promotion Committee of HUISD

  - Chairperson
    - Mutsuo Nakamura (President of Hokkaido University)  
      Nov 2005 - Apr 2007
    - Hiroshi Saeki (President of Hokkaido University)  
      May 2007 – Mar 2010

  - Global Manager
    - Takeo Hondo (Professor of the Institute of Low Temperature  
      Science/ Executive & Vice president, May 2007 – Mar 2010)  
      Nov 2005 – Mar 2010

  - Committee Members
    - Motoyoshi Ikeda (Professor, Faculty of Environmental Earth  
    - Mitsuru Osaki (Professor, Research Faculty of Agriculture)  
      Nov 2005 – Mar 2010
    - Shunji Kanie (Professor, Faculty of Engineering)  
      Apr 2009 – Mar 2010
    - Kosyu Kadota (Director of the Research and International  
    - Hiroshi Kida (Professor of Faculty of Veterinary Medicine/  
      Head of the Research Center for Zoonosis Control)  
      Nov 2005 – Mar 2010
    - Mamoru Kobayakawa (Professor of Research Faculty of Media  
    - Yoshihiro Sekine (Director of the Research and International  
      Academic Department) Jan 2006 – Mar 2007
    - Kazuhiko Hayashi (Director of the Research and International  
      Academic Department) Apr 2007 – Mar 2010
    - Naoyuki Funamizu (Professor of Faculty of Engineering)  
      Apr 2008 – Mar 2010
    - Fumikazu Yoshida (Professor of Faculty of Economics)  
      Nov 2005 – Mar 2010
    - Yoshimasa Watanabe (Professor of Faculty of Engineering)

- Points worth special mention:

  - Hokkaido University’s strategy for internationalization based on the Hokkaido University Initiative for Sustainable Development (HUISD) was selected for the Ministry of Education, Culture, Sports, Science and Technology’s Strategic Fund for Establishing International Headquarters in Universities in FY 2005 (as one of the 20 projects selected from among 65 applications). It was implemented with a financial assistance of 115.75 million yen over the five-year period until FY 2009.

  - To ensure the sound implementation of the strategy, a global manager and project planners were appointed.

    - Global Manager: Takeo Hondo (Repeat)

    - Project Planners:

      - Riyuki Takemura (Jan 2006 – Mar 2010)

      - Masatomo Toyoda (Apr 2006 – Dec 2007)

  - Based on the strategy, a range of international activities related to sustainability were launched. These include the Sustainability Weeks (since 2007): the G8 University Summit, held in 2008 under the theme of global sustainability; and collaborative education consortium programs with overseas universities, such as the Promotion of Sustainability in Postgraduate Education and Research network (ProSPER.Net) and the Alternative University Appraisal (AUA) project.
2. Pamphlet
We are looking for three kinds of partners in the field of Sustainable Development:
- Research
- Education
- International cooperation

Hokkaido University Initiative for Sustainable Development
N8 W5, Sapporo, Hokkaido 060-0808, Japan
Phone: 011-706-2093
FAX: 311-706-2095
E-mail: houyu@general.hokudai.ac.jp

Issued by Hokkaido University (March, 2006)
N8 W5, Sapporo, Hokkaido 060-0808, Japan
URL: http://www.hokudai.ac.jp
1. Objectives of Internationalization Strategy

Hokkaido University, aspiring to promote its activities in the fields of education, research and social contribution as an internationally characteristic university, has set forth the following objectives of its internationalization strategy:

- To attract the world's top university management resources (distinguished people, goods, information, organizations, funds);
- To contribute to the international society with those resources.

2. Activities and challenges

The Executive Office of International Affairs has been developing a variety of activities aiming to stimulate international exchanges. The major activities are as follows:

1. Reinforcement of exchanges with universities worldwide
   HU has concluded the Exchange Agreements with 134 universities, including the Departmental Exchange Agreements, thereby encouraging exchanges for faculty members and students. Among other universities, we have been strengthening exchanges with Seoul National University (South Korea), the University of Oulu (Finland) and the University of Auckland (New Zealand) primarily through the hosting of university-wide symposiums.

2. Increase in the number of international students
   Northeast Asia, particularly China, South Korea and Taiwan play an important role in increasing the number of international students. We have formulated the "Strategic Planning for International Cooperation" and promoted exchanges with China in order to increase the number of international students. HU offers scholarships to international students enrolled at Peking University (China) and Seoul National University who study at HU Graduate Schools.

3. Strengthening international public relations and overseas networks
   We have created communication campaigns at overseas schools and taken the opportunity of international symposiums to make more people know about HU. We have newly published and widely distributed the HU introductory pamphlet’s much-demanded Chinese and Korean versions in addition to English.
   The quarterly-published English and Chinese Newsletter also introduce HU’s current activities in an easy-to-understand manner. The Korean Newsletter will be available soon. We have been proceeding with preparations for establishing our office in Beijing to further promote public relations activities targeting Chinese researchers and students, as well as supporting former international students for alumni associations’ activities.

4. Promotion of international cooperation
   We concluded the Comprehensive Partnership Agreement with the Japan International Cooperation Agency (JICA) in April 2005, forging a stronger cooperative framework than ever. Furthermore, we have accepted trainees regarding the establishment of a waste disposal system in Inland China, in collaboration with the Japan Bank For International Cooperation (JBIC).

We do acknowledge our steady achievement through these activities. However, more efforts are needed to attain the objectives enumerated in 1. Above. We need to take the actions below to beef up our internationalization strategy.

- To make tangible the fact that internationally competitive education and research have been practiced;
- To make the university have a high affinity with the international society and abound in diversity;
- To strengthen international philanthropic activities through transmission of academic results and policy recommendations, and development of international cooperation activities.

HU highlighted “sustainable development” as the area to experiment a trailblazing model which serves as the foundation for promoting our wide-ranging internationalization. Through the process of establishment of HU’s international position in the field of “sustainable development,” foremost issues in organizational, institutional and personnel aspects would become clear, which is required for internationalization of university activities. As a result, problem solving experiences, we would be able to accelerate HU’s internationalization in other areas.

Our attempt is expected to be the model for other universities when they develop their international strategies.

3. Target of International Strategy: Hokkaido University Initiative for Sustainable Development

HU highlighted “sustainable development” as the area to experiment a trailblazing model which serves as the foundation for promoting our wide-ranging internationalization. Through the process of establishment of HU’s international position in the field of “sustainable development,” foremost issues in organizational, institutional and personnel aspects would become clear, which is required for internationalization of university activities. As a result, problem solving experiences, we would be able to accelerate HU’s internationalization in other areas.

Our attempt is expected to be the model for other universities when they develop their international strategies.

Background of the target

Human beings are currently facing a variety of crises, e.g., deterioration of the global environment, energy shortages, food shortages and global warming. All of such crises concern the survival of human beings and call the sustainability of human society into question. The sense of crisis serves as the driving force behind the United Nations and various other international institutions, which have repeatedly presented diverse appeals concerning sustainability. In Japan, a myriad of undertakings have also been launched in response to these international demands. Also in academic circles, sustainability has been discussed in various fields, but a major trend has not yet been created. Under these circumstances, the Science Council of Japan stated in the form of summarizing 10 targeted missions, “The key words are the science and technology policies running through all of the 10 items related to the national targeted missions are: Human society’s sustainability; that is, the harmony between environment and economy” in the Principles of Strategic Science and Technology Policy, Japan, which were released spring 2005. Sustainability has thus become the top priority not only in the international community, but also in academic circles.

We, at HU, have enough and technology policies running through all of the 10 items related to the national targeted missions are: Human society’s sustainability; that is, the harmony between environment and economy” in the Principles of Strategic Science and Technology Policy, Japan, which were released spring 2005. Sustainability has thus become the top priority not only in the international community, but also in academic circles.

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1. International research partnerships

We will present specific case examples of international research partnerships centering on HU by developing HU’s research strategy for sustainable development which aims at the harmony between environment and development. In particular, we will establish international networks that will lead to specific policy recommendations and problem resolution regarding the natural environment and recycling-oriented society in Northeast Asia along the Sea of Okhotsk; and problems of infectious diseases in Asia. Development of research exchanges with research institutions is expected to transcend the scope of men friendly exchanges.

2. International education partnerships

We will systematize education in the field of sustainable development targeting for freshmen as well as working adults. We will strengthen the function of developing educational programs designed to foster human resources that will play an active role at international institutions, by reinforcing partnerships with international organizations. Those educational programs would appeal to international students and researchers from abroad. Besides, efforts will be made to develop system and capacity to take in more international students and researchers.

3. International cooperation, public relations and brand equity

We will strengthen HU’s contribution to local and international society by promoting international cooperation through research and human resources development, by holding of international symposiums and policy recommendations regarding Sustainability Governance. In particular, interactive public relations abilities will be strengthened by publicizing our rigorous process in the five academic fields mentioned above in an easy-to-understand manner, and by responding to the needs of the international society and local communities. As a result we will be able to lead our efforts to brand formation as a university with high international compatibility.
1. Objectives of internationalization strategy

Hokkaido University, aspiring to promote its activities in the fields of education, research and social contribution as an internationally characteristic university, has set forth the following objectives of its internationalization strategy:

- To attract the world’s top university management resources (distinguished people, good, information, organizations, funds);
- To contribute to the international society with those resources.

2. Activities and challenges

The Executive Office of International Affairs has been developing a variety of activities aiming to stimulate international exchanges. The major activities are as follows:

**Reinforcement of exchanges with universities worldwide**

HUI has concluded the Exchange Agreements with 134 universities, including the Departmental Exchange Agreements, thereby encouraging exchanges of faculty members and students. Among other universities, we have been strengthening exchanges with Seoul National University (South Korea), the University of Oulu (Finland) and the University of Auckland (New Zealand) through the hosting of university-wide symposiums.

**Increase in the number of international students**

Northeast Asia, particularly, China, South Korea and Taiwan play an important role in increasing the number of international students. We have formulated the "Strategic Planning for International Cooperation" and promoted exchanges with these countries in order to increase the number of international students. HUI offers scholarships to international students enrolled at Peking University (China) and Seoul National University who study at HUI Graduate Schools.

**Strengthening international public relations and overseas networks**

We have created communication campaigns at overseas schools and taken the opportunity of international symposiums to make more people know about HUI. We have newly published and widely distributed the HUI introductory pamphlet's much-demanded Chinese and Korean versions in addition to English. The quarterly-published English and Chinese Newsletter also introduce HUI's current activities in an easy-to-understand manner. The Korean Newsletter will be available soon. We have been proceeding with preparations for establishing our office in Beijing to further promote public activities targeting Chinese researchers and students, as well as support former international students for alumni associations' activities.

**Promotion of international cooperation**

We concluded the Comprehensive Partnership Agreement with the Japan International Cooperation Agency (JICA) in April 2005, forging a stronger cooperative framework than ever. Furthermore, we have accepted trainees regarding the establishment of a waste disposal system in Inland Chinas in cooperation with the Japan Bank For International Cooperation (JBIC).

We acknowledge our steady achievement through these activities. However, more efforts are needed to attain the objectives enumerated in 1 above. We need to take the actions below in order to beef up our internationalization strategy.

- To make tangible the fact that internationally competitive education and research have been practiced;
- To make the university have a high affinity with the international society and abroad in diversity;
- To strengthen international philanthropic activities through the transmission of academic results and policy recommendations, and development of international cooperation activities.

3. Target of International Strategy: Hokkaido University Initiative for Sustainable Development

HUI highlighted "sustainable development" as the area to experiment a trailblazing model which serves as the foundation for promoting our wide-ranging internationalization. Through the process of establishment of HUI's international position in the field of "sustainable development," foremost issues are organizational, institutional and personnel aspects would become clear, which is required for internationalization of university activities. As a result of problem solving experiences, we would be able to accelerate HUI's internationalization in other areas.

Our attempt is expected to be the model for other universities when they develop their international strategies.

**Background of the target**

Human beings are currently facing a variety of crises, e.g. deterioration of the global environment, energy shortages, food shortages and global warming. All of such crises concern the survival of human beings and call the sustainability of human society into question. The sense of crisis serves as the driving force behind the United Nations and various other international institutions, which have repeatedly presented diverse appeals concerning sustainability. In Japan, a myriad of international meetings have also been launched in response to these international demands.

Also in academic circles, sustainability has been discussed in various fields, but a major trend has not yet been created. Under these circumstances, the Science Council of Japan stated in the form of summarizing 10 targeted missions, "The law for HUI have enough and technology policies running through all of the 10 items related to the national targeted missions are: Human society's sustainability; that is, the harmony between environment and economy" in the Principles of Strategic Science and Technology Policy, Japan, which were released spring 2005. Sustainability has thus become the top priority not only in the international community, but also in academic circles.

We want HUI to have enough and technology policies running through all of the 10 items related to the national targeted missions are: Human society's sustainability; that is, the harmony between environment and economy" in the Principles of Strategic Science and Technology Policy, Japan, which were released spring 2005. Sustainability has thus become the top priority not only in the international community, but also in academic circles.

**Goals of the Project on HUI**

This project will develop activities with the emphasis on reinforcement of the following four functions in HUI's internationalization:

1. **International research partnership**

We will present specific case examples of international research partnerships centering on HUI by developing HUI's research strategy for sustainable development which aims at the harmony between environment and development. In particular, we will establish international networks that will lead to specific policy recommendations and problem resolution regarding the natural environment and recycling-oriented society in Northeast Asia along the Sea of Okhotsk and problems of infectious diseases in Asia. Development of research exchanges with research institutions is expected to transcend the scope of men friendly exchanges.

2. **International education partnership**

We will systematize education in the field of sustainable development targeting for freshman as well as working adults. We will strengthen the function of developing educational programs designed to foster human resources that will play an active role in international institutions, by reinforcing partnerships with international organizations. Those educational programs would appeal to international students and researchers from abroad. Besides, efforts will be made to develop system and capacity to take in more international students and researchers.

3. **International cooperation, public relations and brand equity**

We will strengthen HUI's contribution to local and international society by promoting international cooperation through research and human resources development, by holding of international symposiums and policy recommendations regarding Sustainability Governance. In particular, interactive public relations abilities will be strengthened by publicizing our rigorous process in the five academic fields mentioned above in an easy-to-understand manner, and by responding to the needs of the international society and local communities. As a result we will be able to lead our efforts to brand formation as a university with high international compatibility.
4. Comprehensive administrative services

In forming and improving the aforementioned functions, we will strengthen the administrative capability as follows:

- Abilities to manage on-campus internationalization-related programs
- Abilities to develop international relations
- Abilities of international cooperation and contribution
- Abilities of international public relations
- Abilities to support international clerical work, e.g., international contracts and logistics
- Abilities to enhance off-campus international exchange

Organization and Management of HUISD

We at HU have the Executive Office of International Affairs and the International Student Center, which are in charge of general matters regarding international exchanges and matters concerning the acceptance of international students, respectively. While cooperating with these existing organizations, we will newly establish the Promotion Committee for HUISD as a university-wide committee.

4 Measures to promote HUISD

Field of sustainable development involves various disciplines and require new perspectives that mutually connect such disciplines along with political and economical perspectives. In this project, the five sustainability-related areas will be reviewed against a backdrop of knowledge nurtured at HU thus far from the viewpoint of sustainability in a cross-sectional manner.

- Global warming
- Integrated water management
- Establishment of a recycle-oriented international community
- Stabilized accretion of food and forest
- Measures against infectious diseases

The five areas used to be regarded as independent disciplinary problems, but larger partnerships are currently called for from the viewpoint of sustainability and HU’s cohesive strategy transcending departmental and organizational boundaries is indispensable. From these perspectives, this project has set up the following three challenges as specific goals of HUISD. The process of the project will improve HU’s functions and abilities of international responses and partnerships as a whole.

**Challenge 1**

**Climate and Environmental Systems in Northeast Asia, Pan-Oktokok and North Pacific**

The basic mechanism of high biological productivity of the Sea of Okhotsk and the Kurile Current was elucidated by research projects in which HU took the initiative, and the key is the natural environment of the Amur River basin as well as the fact that the Sea of Okhotsk is covered with sea ice during winter. There are concerns that a decline in sea ice production due to warming and advanced natural destruction in the Amur River basin will not only adversely affect fishery resources, but also further accelerate global warming. Namely, this challenge is related to all the five areas and also an issue of international environmental policies.

As the international strategy regarding this challenge, it is essential to forge partnership relations that enable the countries concerned to have common perceptions from scientific standpoints about environmental issues that can evolve a pattern of confrontation. While individual research projects are promoted by individual researchers and research groups, it is the HUISD’s mission to piece together and publicize such research projects as an achievement of HU and establish partnership relations centering on HU with universities and research institutions in the countries concerned especially for East Russia, China and Korea.

We will launch an international partnership organization: the Scientific Consortium for Pan-Oktokok/Amur International Research (Initiative name), and summarize policy recommendations based on science. Through these activities, expertise will be accumulated so that HU will exercise its initiative on a global scale.

**Challenge 2**

**Zoonoses**

In recent years, emerging and re-emerging infectious diseases, e.g., severe acute respiratory syndrome (SARS) and infectious diseases caused by new strains of influenza viruses, have been wreaking havoc around the world, threatening human beings. The recent significant environmental changes have caused frequent outbreaks of those zoonoses and the risk of broader zoonosis dissemination has been increasing due to the globalization of distribution. HU has the wide-ranging potential because it serves as Japan’s research and education base of zoonosis. Our programs in this area cover fields that are directly related with zoonosis such as “stabilized supply of food and secured forests” and “measures against infectious diseases,” “global warming” as the basis of zoonosis, in addition to countermeasures for zoonosis such as “integrated water management” and the “establishment of a recycle-oriented international community.”

Individual research projects are promoted by individual researchers and research groups, this HUISD regards the following three points as its mission:

- Public relations as HU which have integrated the individual research projects
- Study and summarization of measures in the form of recommendations as HU by transcending the boundaries of international institutions (e.g., World Health Organization and Food and Agriculture Organization) and government ministries and agencies (e.g., Ministry of Health, Labour and Welfare and Ministry of Agriculture, Forestry and Fisheries of Japan)
- Establishment of a mechanism of supporting responses with international institutions, which has been left to individual researchers

These will improve HU’s functions of comprehensive internationalization support.

**Challenge 3**

**Sustainability Governance Project (SGP)**

SGP strives to establish university-wide organizations as well as research and education promotion systems that encompass the five areas characteristic of HU. Its objectives are to systematize research and education that have thus far been conducted by separate and independent departments without collaboration into the science of sustainability and to make policy recommendations that concern sustainable development.

It is vital for HUISD to support SGP to form a new academic discipline and policy recommendations, adding to support of public relations. The establishment of the Global Land Project (GLP) is currently under way as a new organization that transverses the boundaries of existing international scientific committees regarding the environmental earth science. HUISD will support the formation of bases in HU to respond to those international trends.
4. Comprehensive administrative services
In forming and improving the aforementioned functions, we will strengthen the administrative capability as follows:

- Abilities to manage on-campus internationalization-related programs
- Abilities to develop international relations
- Abilities of international cooperation and contribution
- Abilities of international public relations
- Abilities to support international clerical work, e.g., international contracts and logistics
- Abilities to enhance on-campus international exchange

Organizational Management of HUISD

We have established an Executive Office of International Affairs and the International Student Center, which are in charge of general matters regarding international exchanges and matters concerning the acceptance of international students, respectively. While cooperating with these existing organizations, we will newly establish the Promotion Committee for HUISD as a university-wide committee.

4 Measures to promote HUISD

Field of sustainable development involves various disciplines and requires new perspectives that mutually connect such disciplines along with political and economical perspectives. In this project, the five sustainability-related areas will be reviewed against a backdrop of knowledge nurtured at HU thus far from the viewpoint of sustainability in a cross-sectional manner.

- Global warming
- Integrated water management
- Establishment of a recycle-oriented international community
- Stabilized accretion of food and forest
- Measures against infectious diseases

The five areas used to be regarded as independent disciplinary problems, but larger partnerships are currently called for from the viewpoint of sustainability and HU’s cohesive strategy transcending departmental and organizational boundaries is indispensable. From these perspectives, this project has set up the following three challenges as specific goals of HUISD. The process of the project will improve HU’s functions and abilities of international responses and partnerships as a whole.

Challenge 1: Eliminate and Environmental Systems in Northeast Asia, Pan-Okhotsk and North Pacific

The basic mechanism of high biological productivity of the Sea of Okhotsk and the Kurile Current was elucidated by research projects in which HU took the initiative, and the key in the natural environment of the Amur River basin as well as the fact that the Sea of Okhotsk is covered with sea ice during winter. There are concerns that a decline in sea ice productivity due to warming and advanced natural destruction in the Amur River basin will not only adversely affect fishery resources, but also further accelerate global warming. Namely, this challenge is related with all the five areas and also an issue of international environmental policies.

As the international strategy regarding this challenge, it is essential to forge partnership relations that enable the countries concerned to have common perceptions from scientific standpoints about environmental issues that can evolve a pattern of confrontation. While individual research projects are promoted by individual researchers and research groups, it is the HUISD’s mission to piece together and publicize such research projects as an achievement of HU and establish partnership relations centering on HU with universities and research institutions in the countries concerned especially for East Russia, China and Korea. We will launch an international partnership organization: the Scientific Consoritu of Pan-Okhotsk Environmental Research (initiative name), and summarize policy recommendations based on science. Through these activities, expertise will be accumulated so that HU will exercise its initiative on a global scale.

Challenge 2: Zoonesis

In recent years, emerging and re-emerging infectious diseases, e.g., severe acute respiratory syndrome (SARS) and infectious diseases caused by new strains of influenza viruses, have been wreaking havoc around the world, threatening human beings. The recent significant environmental changes have caused frequent outbreaks of these zoonoses and the risk of broader zoonesis dissemination has been increasing due to the globalization of distribution. HU has the wide-ranging potential because it serves as Japan’s research and education base of zoonosis. Our programs in this area cover fields that are directly related with zoonosis such as “stabilized supply of food and secured forests” and “measures against infectious diseases,” “global warming” as the basis of zoonesis, in addition to countermeasures for zoonosis such as “integrated water management” and the “establishment of a recycle-oriented international community.”

Individual research projects are promoted by individual researchers and research groups, this HUISD regards the following three points as its missions:

- Public relations as HU which have integrated the individual research projects
- Constructive strategic measures for HUISD
- Study and summarization of measures in the form of recommendations as HU by transcending the boundaries of international institutions (e.g., World Health Organization and Food and Agriculture Organization) and government ministries and agencies (e.g., Ministry of Health, Labour and Welfare and Ministry of Agriculture, Forestry and Fisheries of Japan): Establishment of a mechanism of supporting responses with international institutions, which has been left to individual researchers

These will improve HU’s functions of comprehensive internationalization support.

Challenge 3: Sustainability Governance Project (SGP)

SGP strives to establish university-wide organizations as well as research and education promotion systems that encompass the five areas characteristic of HU. Its objectives are to systematize research and education that have thus far been conducted by separate and independent departments without collaboration into the science of sustainability and to make policy recommendations that concern sustainable development.

It is vital for HUISD to support SGP to form a new academic discipline and policy recommendations, adding to support of public relations. The establishment of the Global Land Project (GLP) is currently under way as a new organization that transcends the boundaries of existing international scientific committees regarding the environmental earth science. HUISD will support the formation of bases in HU to respond to these international trends.
5. Expected results

The following results are expected of the HUUSD:

**Direct results**

1. Establishment of the Pan-Okhotsk Environmental Science Network (tentative name)
   
   An international network will be established in which research institutions and researchers in the countries concerned, including Far East Russia, Northeast China, Korea and Japan (e.g. HU and Kitami Institute of Technology), will share their scientific recognitions and discuss measures to leave valuable natural systems behind for future generations as well as measures for sustainable development.

2. Establishment of a system of responding to international and other organizations
   
   HU will have as its system the function of supporting researchers to respond to demands from the U.N., WHO, RCA and other international institutions and Japanese government ministries and agencies.

3. Establishment of a system of supporting international educational partnerships
   
   HU will have as its system the function of supporting the establishment of international educational consortiums. HU will support the opening of International Antarctic University, which Australia, Japan and other countries have agreed to open in either 2007 or 2008, and the new international curriculum for sustainable development, which is planned in HU’s SPG.

4. Development and execution of the international joint program for environmental science literacy
   
   To realize sustainable development, it is important to disseminate environmental science literacy in civil society at home and abroad. This project aims to open interactive channels between universities and society by developing educational program for environmental science literacy, which is related with the three challenges as stated in Section 4 (Measures to promote HUUSD), jointly with civic organizations, NGOs and other organizations in Japan and abroad.

**Policy recommendations**

As fruits of related international joint research activities with regard to "sustainable development of Northeast Asia," "ozone problem," and "Sustainability Governance Project," and policy recommendations based on scientific knowledge will be made.

**Indirect results**

1. Improvement of management systems
   
   Establishment of the Promotion Committee and the Liaison Committee:
   
   international joint research and human resource development, which have been conducted on a departmental or individual level thus far, as HU's entire strategy, the Promotion Committee for HUUSD, a university-wide committee under the direct control of the President, has been established. Besides, the Liaison Committee for HUUSD will be inaugurated under the Promotion Committee to strengthen partnerships with a variety of international institutions, international programs, research institutions at home and abroad.

2. Environmental improvement
   
   Foundation of the Center for International Exchange:
   
   We will change the International Student Center into the Center for International Exchange, which will assume more extensive support functions for international students as well as researchers from foreign countries.

   Improvement of competence of administrative staff:
   
   We will hold training that enables the administrative staff to acquire competence to support international administrative work, e.g. international contracts and logistics. At the same time, we will employ and use external human resources until the said competence has been fostered.
5. Expected results

The following results are expected of the HUUSD:

**Direct results**

1. Establishment of the Pan-Okhotsk Environmental Science Network (tentative name)

An international network will be established in which research institutions and researchers in the countries concerned, including Far East Russia, Northeast China, Korea and Japan (e.g., IU and Kitami Institute of Technology), will share their scientific recognitions and discuss measures to leave valuable natural systems behind for future generations as well as measures for sustainable development.

2. Establishment of a system of responding to international and other organizations

HU will have as its system the function of supporting researchers to respond to demands from the U.N., WHO, RCA and other international institutions and Japanese government ministries and agencies.

3. Establishment of a system of supporting international educational partnerships

HU will have as its system the function of supporting the establishment of international educational consortiums. HU will support to open International Antarctic University, which Australia, Japan and other countries have striven to open in either 2007 or 2008, and the new international curriculum for sustainable development, which is planned in HU's SPG.

4. Development and execution of the international joint program for environmental science literacy

To realize sustainable development, it is important to disseminate environmental science literacy in civil society at home and abroad. This project aims to open interactive channels between universities and society by developing educational program for environmental science literacy, which is related with the three challenges as stated in Section 4 (Measures to promote HUUSD), jointly with civic organizations, NGOs and other organizations in Japan and abroad.

**Policy recommendations**

As fruits of related international joint research activities with regard to "sustainable development of Northeast Asia," "ecosystem control" and "Sustainability Governance Project," and policy recommendations based on scientific knowledge will be made.

**Indirect results**

1. Improvement of management systems

Establishment of the Promotion Committee and the Liaison Committee:

International joint research and human resources development, which have been conducted on a departmental or individual level thus far, as HU's entire strategies, the Promotion Committee for HUUSD, a university-wide committee under the direct control of the President, has been established. Besides, the Liaison Committee for HUUSD will be inaugurated under the Promotion Committee to strengthen partnerships with a variety of international institutions, international programs, research institutions at home and abroad.

2. Environmental improvement

Foundation of the Center for International Exchange:

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Improvement of competence of administrative staff:

We will hold training that enables the administrative staff to acquire competence to support international administrative work, e.g., international contracts and logistics. At the same time, we will employ and use external human resources until the said competence has been fostered.
We are looking for three kinds of partners in the field of Sustainable Development:

- Research
- Education
- International cooperation

Hokkaido University Initiative for Sustainable Development
N8 W5, Sapporo, Hokkaido 060-0808, Japan
Phone: 011-706-2093
FAX: 011-706-2095
E-mail: kouryu@general.hokudai.ac.jp

Issued by Hokkaido University (March, 2006)
N8 W5, Sapporo, Hokkaido 060-0808, Japan
Phone: 011-716-2111
URL: http://www.hokudai.ac.jp
3. Publicity Materials
北海道大学は、「持続可能な開発」に関連する研究と教育の高度化を図り、その成果を活用し国際社会に貢献するため、総長を本部長とする「持続可能な開発」国際戦略本部を2005年に設置しました。

「持続可能な開発」国際戦略本部の発展

当本部の活動が拡大した結果その機能は、2010年に新しく設置された国際本部ならびにサステイナブル・キャンパス推進本部に引き継がれ、さらに発展をしています。それにより、サステナビリティ・ウィーク事業やサステイナブル・キャンパス活動をはじめ、北海道大学の教育・研究・経営・社会貢献活動のあらゆる面において持続可能な社会の実現に向けた取り組みが進められています。

北海道大学「持続可能な開発」国際戦略本部

英名を "Hokkaido University Initiative on Sustainable Development"、通称：HUISD／ヒューイスドと呼びます。2005年度～2009年度におけるHUISDの概要は以下の通りです。

活動

持続可能な社会の実現を目指し、
1. 海外の大学や研究機関との一層の連携を図り研究や教育を促進します
2. 知見・経験を活用して国際協力を推進します
3. 知見・経験の還元を意識した海外向け広報を行います
4. 上記の活動を行う教員を組織的に支援します

重点領域

北海道大学は豊富な実績のある5つの代表的な学問領域において、持続可能な社会の実現に向けた研究・教育に取り組み、その成果を「持続可能性」に関わる国際的な課題の解決に活用します。

- 地球温暖化
- 水の統合的管理
- 循環型社会の構築
- 食糧・森林の安定的確保
- 感染症対策

「持続可能な開発」国際戦略推進委員会

当本部の事業を担う委員会のメンバーは以下の通りです。

議長
中村 昭男（北海道大学 総長）2005年11月-2007年4月
佐伯 浩（北海道大学 総長）2007年5月-2010年3月

グローバルマネージャー

本堂 武夫（低温科学研究所 教授）2005年11月-2010年3月

委員

- 池田英美（地球環境科学研究所 教授）2005年11月-2010年3月
- 大塚 達（農学研究所 教授）2005年11月-2010年3月
- 鶴見 倫二（理学研究所 教授）2005年11月-2010年3月
- 田中 公秀（学術国際部 部長）2005年11月-2006年1月
- 喜多 俊樹（農学研究所 教授）2005年11月-2010年3月
HUISD PORTAL SITE サステナポータルサイト | 「持続可能な開発」国際戦略本部

当サステナポータルサイト(HUISD Portal Site)の中で公開しています。

▼「持続可能な開発」国際戦略本部のページ
http://sustain.oia.hokudai.ac.jp/huisd/jp/activity/category/hu/hd

問い合わせ

北海道大学 国際本部

▼HUISD 問い合わせフォーム
https://sustain.oia.hokudai.ac.jp/q_jp/

北海道大学の組織 | 「持続可能な開発」国際戦略本部
カテゴリー | 設立・開始・採択
Activity by HUISD*

International Symposium on Sustainable Development

Hokkaido University initiates a symposium in summer 2006 to contribute to the realization of sustainable development. We invite speakers over the world and create a platform on which researchers and educators, from various disciplines, gather and discuss our future.

Human beings are currently facing a variety of crises, e.g. deterioration of the global environment, energy shortages, food shortages and global warming. All of these crises concern the survival of human beings and the sustainability of human society.

Hokkaido University has enough track record and accumulation of expertise to respond to international demands in extensive academic fields that constitute the foundation of sustainability. The representative academic fields are "Global Warming," "Integrated Water Management," "Establishment of a Recycle-oriented International Community," "Stabilized Securement of Food and Forest" and "Measures Against Zoonosis." These fields require competence in research, education and international cooperation. We are honored to host an international symposium on "sustainable development" with our initiatives in these areas. We hope this symposium will promote international collaboration in both education and research by transcending academic, national and regional boundaries.

For further information:
http://www.hokudai.ac.jp/huisd/symposium.html

Hokkaido University International Symposium on Sustainable Development

Date: August 7 (Mon.) – 9 (Wed.), 2006
Venue: Hokkaido University Conference Hall
Expected number of attendants: 300 (including those from our partner universities)

*About HUISD
Aspiring to become a more international university, Hokkaido University launched the new Hokkaido University Initiative for Sustainable Development (HUISD) project in 2005. The headquarters responsible for this project was established in March 2006 in the hope that the foundation for HU's internationalization policy will be fulfilled in five years' time by March 2008 (FY 2008). (See page 3)

For further information:

Activity by HUISD

Hokkaido University Sustainability Science Forum
"Future of Humanity and Global Environment" – From the Forests and Sea in the North –

Hokkaido University and the Asahi Shimbun Company, which is one of the biggest news distributing companies, will hold a two-day forum in summer 2006. This forum is aiming to provide opportunity for people to think about Sustainable Development. Research projects in Hokkaido University have been bringing to the fore the fact that nature's potential holds the key to realizing sustainable development. The forum aims to highlight the roles that the natural environment and people of Hokkaido can play for sustainability of the earth. Many famous individuals closely associated with Hokkaido, such as Mamoru Mohri (an astronaut graduated from Hokkaido University), So Kuramoto (Screenwriter living in Hokkaido), as well as Professors of Hokkaido University will discuss our sustainable future.

August 5 (Saturday) in Tokyo – Yurakucho Asahi Hall
HU presentation “Sustainability that is explored through environmental technology”
Introducing recent world trends in environmental technology & the latest research results from HU in an easily comprehensible manner
Keynote speaker: Motoyuki Suzuki (President of the Central Environment Council)
Symposium
“Future of Humanity and Global Environment” – From the Forests and Sea in the North –
Introducing the roles that the nature of northern regions, such as Hokkaido and Okhotsk, play in global environment in an easy-to-understand manner
Keynote speaker: So Kuramoto (screenwriter)

August 6 (Sunday) in Sapporo – Hokkaido University Conference Hall
Forum
“Future of Humanity and Global Environment” – In the Northern Area of Japan –
Exploring collaborative ways for researchers and citizens loving Hokkaido to tackle the sustainability crisis in the northern area of Japan.
Keynote speaker: Mamoru Mohri (astronaut)

For further information: http://www.hokudai.ac.jp/huisd/en/taiwa.html
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For further information: http://www.hokudai.ac.jp/huisd/en/taiwa.html
From HUISD Secretariat: What HUISD Tries to Achieve

Hokkaido University Initiative on Sustainable Development (HUISD) was established in November 2005. Professor Takeo Hondo at the Institute of Low Temperature Science has been appointed as Global Manager, and two Project Planners responsible for practical business have been appointed from outside the university (Riyuki Takemura and Masatomo Toyoda). This team will promote internationalization of Hokkaido University in cooperation with the other members of the International Affairs Division.

The single phrase “internationalization of universities” actually involves extensive areas and diverse approaches. Our first target is to strengthen our presence in the area of Sustainable Development (SD). We intend to implement strategies concerning research, education and social contribution, by focusing on enhancements of functions in the following four areas:

1. international research partnership
2. international education partnership;
3. international cooperation, public relations and brand equity; and
4. comprehensive support (services) for international exchanges.

We are expected to create a model for the university’s internationalization in the SD area by March 2010. The model is to lead subsequent projects in other areas. The details and our official pamphlet are available at: http://www.hokudai.ac.jp/huisd/

Our challenge in 2006 is to host a science forum for citizens and an international symposium as specified. (See page 1 & 2)

Hokkaido University Beijing Office Open

We opened our Beijing Office on April 1 as our first university-wide liaison office overseas. The Opening Ceremony was held on May 8 in a large conference room in Resource Building, which is also home to the office, and attended by more than 150 people, including President Nakamura, Vice-President Seki, Vice-President Kishinami, Dr. Suwa, Dean of the Graduate School of Agriculture, Mr. Suzuki, Director of the Beijing Office and innumerable other HU representatives in addition to representatives from the Embassy of Japan in China, Japanese academic institutions and companies in Beijing, our partner institutions, alumni and so forth. Compared with previous opening ceremonies for the overseas offices of other Japanese universities, ours can only be said to have been an unprecedented and grand event.

The Beijing Office was established with the aim of collecting and providing information that is intended to promote student and researcher exchanges between HU and Chinese universities and institutions, support the Hokkaido University Alumni Association’s activities and facilitate industry-academia collaborative efforts that involve universities and other institutions in China. Located in a building that is adjacent to Peking University in Zhongguancun, an area of Beijing that is characterized by a concentration of universities and other academic institutions, the office also features functional facilities, such as conference rooms of various sizes that we share with other associations and business offices in the building.

This office serves as HU’s “window of international exchanges” that is opened to China, and exchanges within a variety of fields in China are expected to become increasingly dynamic through this window.

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Completion of the International Student Center’s Intensive Japanese Language Course, Japanese Language and Culture Studies Program and Hokkaido University Short-Term Exchange Program (HUSTEP)

The Closing Ceremony for students who completed the International Student Center’s Intensive Japanese Language Course, Japanese Language and Culture Studies Program and Hokkaido University Short-Term Exchange Program (HUSTEP) was held at the Clark Memorial Student Center at 4:00 p.m. on August 4 (Fri.).

The Intensive Japanese Language Course is a six-month training course designed to enable international students recommended by their respective embassies to develop their understanding and proficiency in Japanese before they enroll at graduate schools. Twenty-one students from 19 countries who began the course in April 2006 completed the course on this day. Seventeen of them will enroll in HU’s graduate schools and the remaining four in other universities in October.

The two HU researchers who took the course were also present at the Closing Ceremony of the Intensive Japanese Language Course.

The Japanese Language and Culture Studies Program refers to a one-year training course intended to teach the Japanese language and culture as well as the state of affairs in Japan to undergraduate international students who are enrolled in departments that provide education concerning the Japanese language and culture in their respective countries. Eighteen students from 20 countries who took the course in October 2005 completed the course. They are the 25th-term graduates from this course.

Established in October 1997, the HUSTEP aims to provide international students from Exchange Agreement Students with an opportunity to study courses offered in English. Thirty-one students from 21 Exchange Agreement Schools who enrolled in October 2005 attended the Closing Ceremony.

During the Closing Ceremony, each student received his or her completion certificate from Dr. Takeshi Kishinami, Director of the International Student Center, under the watchful eyes of guests and instructors, which was followed by the Director’s congratulatory speech. The Ceremony was a memorable event for the students.

Activity by HUISD*

The Hokudai Network for Global Sustainability Derived from SD Symposium in Summer 2006

The Hokkaido University International Symposium on Sustainable Development was the first multidisciplinary international meeting of its kind, bringing together educators of higher educational institutions and researchers together to share their views on sustainable development of the world. Around 950 educators and researchers from 19 different countries and regions, representing fields as diverse as Earth Science, Ecology, Veterinary, Engineering, Political Science, Education and more, gathered for three days in Sapporo, Hokkaido, Japan on August 7-9, 2006.

The Symposium ended with proposals made for the creation of a network, named, the “Hokudai Network for Global Sustainability” (Hokudai is a very popular nickname for HU in Japan.) The purpose of the Network is to accelerate education and research on Sustainable Development by sharing ideas and information through the internet, therefore increasing exposure of its methods and increasing opportunities for collaborative activities.

The information will be available soon at the following website: Hokudai Network for Global Sustainability http://www.hokudai.ac.jp/stud/Partner Universities’ contribution to Symposium

Thirteen partner universities and their faculty members to the Hokkaido University International Symposium on Sustainable Development with eight of them making posters and flers to assist their respective institutions. Their contribution made the symposium fruitful in academic terms, and enhanced our students’ interests on exchange programs between partner schools.

Many Thanks to:

(Hokudai is a very popular nickname for HU in Japan.)

Aspiring to become a more international university, Hokkaido University launched the new “Hokkaido University Initiative for Sustainable Development (HUISD)” in April 2007.

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