# Hokkaido University Guidebook

2012-2013



## Welcome to the 2012–2013 Hokkaido University Guidebook

This Guidebook is a compilation of facts and figures about Hokkaido University, and includes information on our organizational structure, facilities, faculties, and academic offerings. It is intended mainly to help those unfamiliar with the University gain some understanding of what we offer, but also provides fresh insight to those already associated with us. We hope you find it useful.

For an online printable version, please visit our website at www.hokudai.ac.jp/en

## Message from the President

## It is my great pleasure to welcome you to Hokkaido University....

Hokkaido University was founded in 1876 as Sapporo Agricultural College – remarkably the nation's first institute of higher education to award bachelor degrees. The phrase "Be ambitious!" which serves as Hokkaido University's motto was spoken by Dr. William Clark, the very first Vice-Principal of the college. The University is dedicated to transforming our campus into a global base for education and research as we uphold our four basic philosophies: "The Frontier Spirit," "Global Perspectives," "All-round Education" and "Practical Learning" – philosophies which have evolved with the University over its 136 year history.



## Improvement and Internationalization of Education

Hokkaido University aims to produce internationally minded graduates by encouraging comprehensive personal development through both general and specialized teaching. Based on this, we have implemented drastic reforms to our entrance examination system and are stepping up efforts to offer attractive educational and research programs. We are striving to become a global educational and research center, promoting education in foreign languages, providing a world-class environment for study and research open to the world.

## Internationalization of Research

Hokkaido University is strengthening the foundation of education and research by placing an increased emphasis on graduate education. We are making our educational and research departments more efficient by promoting flexibility in their organizational structure. In addition, we are advancing a faculty and graduate school framework that aims to conduct pioneering and interdisciplinary research and education.

## Partnerships with Society

Hokkaido University is incorporating new ways to enhance our public profile: we are utilizing our offices in Seoul, Beijing, Helsinki, and Lusaka as bases to transmit information to overseas markets, improving our websites and public relations materials, and hosting a multitude of events open to the public. In addition, we plan to further enhance and utilize our bases, including the Creative Research Institution and the Center for Innovation and Business Promotion for joint research projects with local industry in order to better share the fruits of our research activities and strengthen cooperation with society.

## Our Vision

Aiming to take more initiative and become more self-reliant than ever, Hokkaido University established the "Hokkaido University Frontier Foundation" on the occasion of our 130th anniversary. The Hokkaido University Frontier Foundation aims to enhance the University's contribution to society both locally and internationally. The Foundation will strive to improve education and research whilst bolstering student support. Hokkaido University is committed to carrying out further visionary university reforms and go beyond boundaries in our quest to uphold our fundamental philosophy - to embody 'the frontier spirit.'

# Minch Such

## Message from the Editor:

This Guidebook has been prepared by the Office of International Affairs for the purposes of information distribution. Although every effort has been made to make this Guidebook accurate and complete, the information provided is subject to change or correction. Wherever possible, we would advise to check the website for the most up-to-date information. If you have any questions concerning this Guidebook, please contact Warren Pohl, International Marketing and Publications Coordinator at pr@oia.hokudai.ac.jp

## University Calendar 2012–2013

Entrance Ceremony*	Apr 6, 2012
First Semester Class Commencemen	nt* Apr 10, 2012
Summer Vacation*	Aug 6 to Sept 26, 2012
Second Semester Class Commence	ment* Sept 27, 2012
Winter Vacation*	Dec 27, 2012, to Jan 4, 2013
Class Recommencement*	Jan 7, 2013
Semester Two End*	Feb 4, 2013
Entrance Ceremony*	Early Apr, 2013 TBA
First Semester Class Commencemen	nt* Early Apr, 2013 TBA
Hokkaido University Foundation Da	y Jun 7, 2013
Hokkaido University Festival	Early Jun, 2013 TBA

BE. AMDITAUS.
Inaxonitobe.

In the words of
Dr. W.S. CLARK, Hokkaido
University's motto "Be Ambitious"
illustrated left by Inazo NITOBE (1862-1933)
author, diplomat, statesman, educator
and distinguished graduate of
Hokkaido University.

be ambitious.

## **Our Four Basic Philosophies**

## 1. Frontier Spirit I

The Frontier Spirit represents the idealism that each student and staff member of our University should take up the problems of their generation and resolutely mark out a new path. This basic philosophy originated from the words "lofty ambition" spoken by Dr. W. S. Clark during the opening ceremony of Sapporo Agricultural College and has served as the backbone of Hokkaido University for over a century. The Frontier Spirit of the 21st century embodies constantly re-evaluating the world to keep abreast of shifts in the academic paradigm and new problems constantly challenging humankind. Hokkaido University aims to promote world class research to solve problems confronting humankind while promoting creative research for the sake of research.

## ∠ 2. Global Perspectives

With the introduction of western customs and scientific technology, Sapporo Agricultural College was open to new ideas from its inception. Hokkaido University now plays an active role in placing graduates in positions overseas as our philosophy of obtaining the "Global Perspective" takes on many new and exciting forms. One of our highest priorities is to nurture "international scholars" by cultivating unique and strong ties with academic bodies overseas, and by bolstering foreign language education in the liberal arts at home. Hokkaido University encourages staff to acquire "Global Perspectives" not only by creating opportunities for studying and researching abroad, but by also accepting foreign students and researchers to our University to promote cultural and social exchange with people from all around the world.

## ✓ 3. All-round Education I

Sapporo Agricultural College was established not only to train agricultural experts, but also to imbue graduates with a rich humanity, a high intellect, and a broad knowledge base. The result is a long list of outstanding ideologists and literary figures. Amongst our alumni are Kanzo UCHIMURA, Shigetaka SHIGA, Inazo NITOBE, and Takeo ARISHIMA. The philosophy of All-round Education has been cultivated through the tradition of focusing attention on the liberal arts. Hokkaido University seeks to teach students to respect human rights and to develop the ability to accurately respond to the demands of society by cultivating a spirit of freedom and independence and by encouraging the establishment of a strong autonomous identity.

## 4. Practical Learning

The philosophy of Practical Learning was established from two ideologies. First, research as the creation of universal learning in the real world, and second, emphasis on returning the fruits of research to society. The botanical research conducted by Kingo MIYABE as well as the research on snow conducted by Ukichiro NAKAYA, both carried out in the vast wilderness of Hokkaido, are outstanding examples of research in finding universal truths in our immediate environments. Hokkaido University also endeavors to develop leading experts and professionals to enrich continuing education as we return the fruits of research to local, national, and international industries, by promoting academia-industry-government collaboration.

## **Honor Roll**



## - Nobel Prize -

## Major Awards Issued to SUZUKI

1989 Chemical Society of Japan Award

2003 Japan Academy Award

2010 Nobel Prize, Chemistry

2010 Prime Minister's Certificate of Appreciation

## Recipients of the Order of Culture -

The prestigious Order of Culture Prize was established in 1937. This order is awarded to persons that have contributed to Japan's art, literature, or culture. The order is conferred by the Emperor of Japan in person on Culture Day on November 3 each year.

Name	Year	Title	Reason
Kingo MIYABE	1946	Professor Emeritus	Botanical study
Akira SUZUKI	2010	Professor Emeritus	Developing a chemical tool known as palladium-catalyzed cross-couplings for organic boron compounds

## Designated as a Person of Cultural Merit by the Japanese Government

The system for Persons of Cultural Merit was established in 1951 by the Law on Pensions for the Persons of Cultural Merit. The purpose is to honor persons of cultural merit by providing a special government-sponsored pension.

Name	Year	Title	Reason
Shonen MATSUMURA	1954	Professor Emeritus	Entomological study
Seiya ITO	1959	Professor Emeritus	Phytopathological study of crop diseases and fungi
Tetsu SAKAMURA	1976	Professor Emeritus	Plant-cell study of wheat chromosome and plant- physiological study of mold
Man-emon TAKAHASHI	1995	Professor Emeritus	Genetic study of rice
Akira SUZUKI	2010	Professor Emeritus	Developing a chemical tool known as palladium-catalyzed cross-couplings for organic boron compounds.

## Recipients of The Japan Academy Prize

Name	Year	Title	Reason
Yutaka KON	1934 (Imperial Academy Prize)	Professor of Medicine	Research on silver reaction of cells
Kinjiro KUNUGI	1939 (Imperial Academy Prize)	Professor of Science	Research on the theory of abstract spaces
Juro HORIUCHI	1940 (Imperial Academy Prize)	Professor of Science	Theoretical and experimental research on chemical kinetics
Ukichiro NAKAYA	1941 (Imperial Academy Prize)	Professor of Science	Physical investigations of snow
Seiji KAYA	1942 (Imperial Academy Prize)	Professor of Science	Magnetic studies of ferromagnetic crystals
Jun SUZUKI	1949	Professor of Science	Studies on ultrabasic rocks and the ore-deposits accompanying them
Sajiro MAKINO	1958	Professor of Science	Studies on chromosomes in animals
Teikichi FUKUSHI	1958	Professor of Agriculture	Studies on insect transmission of plant virus diseases
Seijin NAGAO	1965	Professor of Agriculture	Studies on twelve linkage groups in rice
Manemon TAKAHASHI	1965	Assistant Professor of Agriculture	Studies on twelve linkage groups in rice
Kotatsu FUJITA	1971	Professor of Letters	Study of early 'Pure Land Buddhism'
Yoshiaki ISHIZUKA	1975	Professor Emeritus	Nutrio-physiological studies on the rice plant, and application to rice production (joint research)
Akira TANAKA	1975	Professor of Agriculture	Nutrio-physiological studies on the rice plant, and application to rice production (joint research)
Izumi YOKOYAMA	1981	Professor of Science	Structure of volcanoes as disclosed by gravity anomaly distribution
Yoshio BAN	1984	Professor of Pharmacology	Studies of the synthesis of the indole group of alkaloids
Eishiro SHIKATA	1986	Professor of Agriculture	Studies on plant viruses and viroids
Toshiro KINOSHITA	1993	Professor of Agriculture	Genetical studies on the interaction between cytoplasmic and nuclear genomes, and the application of these studies to crop breeding
Eiko OHTSUKA	1996	Professor of Pharmacology	Synthesis and functional studies on nucleic acids: synthetic c-Ha-ras gene and related subjects (joint research)
Taro MATSUNO	1997	Professor of Environmental Earth Science	Elucidation of atmospheric dynamics in the stratosphere and mesosphere
Akira SUZUKI	2004	Professor Emeritus	Studies on the development of new synthetic reactions using palladium catalysts (joint research)
Hiroshi KIDA	2005	Professor of Veterinary Medicine	Studies on the control of influenza: mechanism of emergence of pandemic influenza virus strains in poultry, domestic animals and humans, and molecular basis of the neutralization of viral infectivity with antibodies

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## A Proud History

## **Timeline**

## Sapporo Agricultural College (1876–1907)

- 1876 - Dr. William S. Clark, then president of the Massachusetts Agricultural College in the Unites States is invited to be Vice Principal of Sapporo Agricultural College. He arrives in Sapporo with two American professors and 11 students
- The Book Stack Room, later to become the University Libary opens
- The Model Barn, one of the first buildings of the University and still existing today is completed
- The martial arts training facility (current Sapporo Clock Tower) is constructed
- The Botanic Garden is designed and built

## ✓ Tohoku Imperial University (1907–1918)

- Sapporo Agricultural College becomes Agricultural College of Tohoku Imperial University 1907
- German teacher Hans Koller introduces the western two-blade ski on Sapporo Campus for the first time in Japan 1908
- The historical Furukawa Hall is completed in French Renaissance Style
- 1912 - The grand trees of the University's Poplar Avenue are planted as a wind break

## Hokkaido Imperial University (1918–1947)

- The University becomes the 5th prestigious university in mainland Japan to join a league of seven Imperial Universities formed by the Imperial Japanese government-This distinction continues to hold prominence in Japan today
- 1919 - The School of Medicine is established
- The School of Engineering is established
- The School of Science is established
- Hakodate Campus opens, and the School of Fisheries transfers from Sapporo Campus
- Dr. Ukichiro Nakaya successfully produces the world's first 'artificial snow crystal'
- The Institute of Low Temperature Science is established
- The Institute of Catalysis Research is established
- The Administrative Office and the Student Affairs Office is established
- The School of Law and Letters is established

## Hokkaido University (1947–2004)

- Hokkaido Imperial University is renamed Hokkaido University
- Under the National School Establishment Law, Hokkaido University is reorganized into the new Hokkaido University with schools of law and letters, education, science, medicine, engineering, agriculture, and fisheries sciences (Hakodate)
  - The Medical Clinic Attached to the School of Medicine is renamed the Hospital Attached to the School of Medicine
  - The Department of Liberal Studies is established (renamed the School of Liberal Studies in April 1951)
- The Institute of Tuberculosis Research established \*now known as the Institute for Genetic Medicine
  - The School of Law and Letters divided into the School of Letters and the School of Law and Economics
- The School of Veterinary Medicine is established
- New Graduate Schools of Letters, Education, Law, Economics and Business Administration, Science, Engineering, Agriculture, Veterinary Medicine, and Fisheries Sciences are established
  - The School of Law and Economics is divided into the School of Law and the School of Economics and Business Administration
- The Institute of Medical Research is established
- The School of Liberal Studies is renamed the School of Liberal Arts
- The Graduate School of Pharmaceutical Sciences is established
- The School of Pharmaceutical Sciences and Pharmacy is established
- The Dental School of Medicine is established
- The Computer Center (joint-usage facility) is established \*now known as the Information Initiative Center
- The Health Management Center (Health Care Center) is established as well as the Physical Education Center
- The Graduate School of Dental Medicine is established 1974
- The Graduate School of Environmental Science (stand-alone graduate school) is established
- The Slavic Research Center is established as well as The Central Institute of Isotope Science
- 1981 - The Institute of Language and Cultural Studies is established as well as The Center for Experimental Plants and Animals
- 1985 - The Research Center for Molecular Genetics is established
- 1989 - The Institute of Catalysis Research evolves into the Catalysis Research Center (joint-usage research facility)
- The Slavic Research Center is designated as a joint-usage research facility



- The International Student Center is established as well as the The Research Center for Quantum Integrated Electronics
- The Institute of Applied Electronics Research is reorganized into the Research Institute for Electronic Science
- The Graduate School of Environmental Science evolves into the Graduate School of Environmental Earth Science
- The Center for Advanced Research of Energy is established
- 1995 The Center for Research and Development in Higher Education is established as well as The Environmental Preservation Center
- 1996 The Center for Advanced Science and Technology is established as well as the Venture Business Laboratory
  - The Information Processing Center evolves into the Education and Research Center for Information and Media Studies
  - Hokkaido University Museum is established
- 2000 The Graduate School of International Media and Communication Studies is established as a stand-alone Graduate School
- 2002 The Creative Research Initiative "Sousei", the predecessor of the Creative Research Institution, is established
  - The new training ship Ushio-maru becomes operational
- 2003 The Research and Education Center for Brain Science is established
  - The Management Center of Intellectual Property is established

## National University Corporation Hokkaido University (2004 to present)

- The Graduate School of Information Science and Technology is established as a stand-alone Graduate School
  - The Center for Advanced Research of Energy evolves into the Center for Advanced Research of Energy Conversion Materials
- 2005 The Graduate School of Public Policy and the Faculty of Public Policy are established
  - The Research Center for Zoonosis Control is established
  - The Admission Center is established
  - The Hokkaido University Archives is established
- The Center for Advanced Tourism Studies is established
  - The Center for Language Learning is established
  - The Center for Ainu and Indigenous Studies is established
  - The Center for Experimental Research in Social Sciences is established
  - Sustainability Weeks event is held for the first time
- 2008 The Faculty of Health Sciences and the Graduate School of Health Sciences (for master's courses) is established
  - The Research Institute for Information Law and Policy is established
  - The Research Center for Environmental Nano and Bio Engineering is established
  - The Research Center for Integrative Mathematics is established
  - The Center for Sustainability Science is established
- 2009 Hokkaido University is a joint host of the G8 University Summit and establishes the 'Sapporo Sustainability Declaration'
  - The Center of Education and Research for Topological Science and Technology is established
  - The North Branch of the Hokkaido University Library is renamed the North Library
- 2010 The Graduate School of Chemical Sciences and Engineering is established
  - The Graduate School of Health Sciences is established
  - The Center for Environmental and Health Sciences is established
  - The Office of International Affairs is established as an administrative unit, into which the International Student Center is transferred
  - The Office for a Sustainable Campus is established
  - Professor Emeritus Akira SUZUKI wins the Nobel Prize
  - The Center for Translational Research is established
    - The Venture Business Laboratory is renamed the Meme Media Laboratory
    - The Platform for Research on Biofunctional Molecules is established

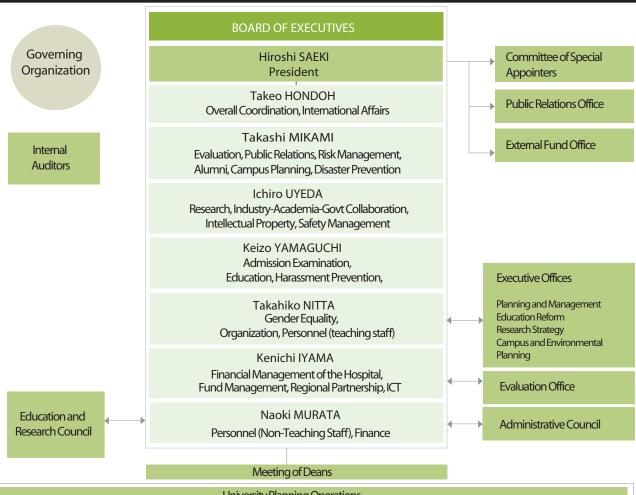






## Our Organization

		Letters				
Genera	al	Law		The Advanced Institute for Law and Politics		
rganiza	ition	Economics	and Business Administration			
		Medicine		Institute for Animal Experimentation		
		Dental Med	icine			
		Veterinary N	1edicine	→ Veterinary Teaching Hospital		
		Information	Science and Technology			
		Fisheries Sci				
		Environmer	ntal Science / Environmental Earth Science			
	GRADUATE SCHOOLS	Science		Institute of Seismology and Volcanology		
		Pharmaceut	cical Sciences	> Center for Genome Dynamics		
	岜	Agriculture		Nuclear Reaction Data Center		
		Life Science		Frantiar Passarch Contarfor Part Con and		
	AD	Advanced L	ife Science	Frontier Research Center for Post-Genome Science and Technology		
	GR	Education		Sacrice and realinology		
		Internationa	l Media, Communication, and Tourism Studies	Research and Clinical Center for Child Development		
		Media and 0	Communication			
		Health Scien	ices			
		Engineering		Center for Advanced Research of Energy and Material		
		Chemical Sc	iences and Engineering			
≧		Public Policy		Center for Public Policy Studies		
ERS		Letters				
$\geq$		Education				
5	S	Law				
8	UNDERGRADUATE SCHOOLS	-	nd Business Administration			
HOKKAIDO UNIVERSITY	[품]	Science	ind basiness Administration			
	S	Medicine				
		Dental Medi	rine	→ Hokkaido University Hospital		
			ical Sciences and Pharmacy	Experimental Station for Medicinal Plant Studies		
	조	Engineering	real selections and interview	Experimental station for medical fair for testadies		
	18	Agriculture				
		Veterinary M	edicine			
				→Training Ship "Oshoro-maru" **		
		Fisheries Scie	ences	→Training Ship "Ushio-maru"		
				3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
			Institute of Low Temperature Science*	Pan-Okhotsk Research Center		
	RES	EARCH	Research Institute for Electronic Science*	Nanotechnology Research Center		
		TITUTES	research instruction direction in Science	→ Laboratory of Animal Experiments		
	1143	1110123	Institute for Genetic Medicine*	Center for Infection-Associated Cancer		
		Central Libra	ry	North Library		
		Catalysis Res	earch Center*	Center for Ainu and Indigenous Studies		
		Slavic Resear		Center for Experimental Research in Social Sciences		
			Initiative Center*	Research Institute for Information Law & Policy		
			ute of Isotope Science	Research Center for Environmental Nano and		
	RS		niversity Museum	Bio Engineering		
	RESEARCH CENTERS		nter for Integrated Quantum Electronics	Research Center for Integrative Mathematics		
		Field Science	Center for Northern Biosphere	Center for Sustainability Science		
		Meme Medi		Center of Education and Research for Topological		
	RC	Research and	d Education Center for Brain Science	Science and Technology		
	SEA	Research Cer	nter for Zoonosis Control*	Center for Environmental and Health Sciences		
	E.		niversity Archives	Center for Translational Research		
			dvanced Tourism Studies	Health Care Center		
			nguage Learning			



University Planning Operations							
Education and Research Support Office	Creative Research Institution						
ICT Promotion Office	Office of International Affairs						
Center for Innovation and Business Promotion	Institute for the Advancement of Higher Education						
Admission Center	Office for a Sustainable Campus						
Office for HR Education and Development	Office of Health and Safety						

Administrative Organization

General Affairs and Planning Department (General Affairs Division (Health and Safety Section), Planning Division, Public Relations Division, Personnel Division (Personnel Management Section))

Finance Department (Budget Division (Finance Management Section), Accounts Division, Procurement Division, Asset Management Division)

Academic Affairs Dept. (Academic Affairs Division, Student Support Division, Entrance Exam Division, Career Center)

Research Promotion Department (Division of Research Planning & Promotion (Fund-Raising Strategy Section),

Division of Research Collaboration)

Facilities Dept. (Facilities Planning Division, Sustainable Campus Promotion Division, Facilities Construction Division)

Administration Offices of Educational Research Faculties

Letters, Education, Law, Economics and Business Administration, Science, Life Science, Medicine,
Dental Medicine, Pharmaceutical Sciences and Pharmacy, Engineering, Agriculture, Veterinary Medicine,
Hakodate Campus, Hokkaido University Hospital, Environmental Science, International Media, Communication,
and Tourism Studies, Institute of Low Temperature Science, University Library, Northern Campus Administration,
Field Science Center for Northern Biosphere.

Office of Internal Auditors

Operational Offices

ICT Promotion Division (ICT Promotion Office)

Division of International Relations Division of International Relations

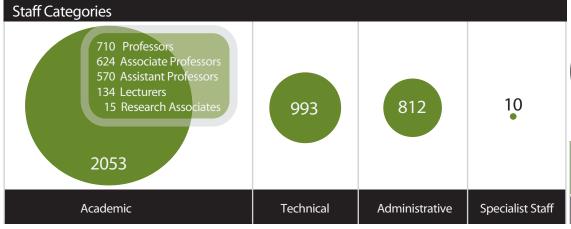
Division of International Relations, Division of International Services (Office of International Affairs)



## Number of Staff

	Executive Board ~ 1 President, 7 Executives, and 2 Internal Auditors	Professors	Associate Professors	Lecturers	Assistant Professors	Research Associates	Specialist Staff	Administration	Technical Staff	TOTAL
	Education and Research Support Office									0
STEERING	Environmental Information Promotion Office							16	14	30
	Center for Innovation and Business Promotion	1					3			4
	Admission Center									0
	Front Office for Human Resource Education and Development									0
	Creative Research Institution		1				1		8	10
	Office of International Affairs	1	6	4			4	24		39
	Institute of Advancement of Higher Education	4	5						4	13
01	Office for a Sustainable Campus	•								0
	Office of Health and Safety									0
	Letters	50	40		13				2	105
	Law	33	18		7	4		2	_	64
	Economics and Business Administration	23	21		4	1	1	_		50
	Medicine	42	23	17	61	3			13	159
	Dental Medicine	17	15	1	48	3			4	85
	Veterinary Science	17	13	3	16				3	52
	Information Science and Technology	39	39	<b>J</b>	16				3	94
	Fisheries Sciences	33	40	1	11				39	124
	Environmental Science / Environmental Earth Science	21	25	•	10	1			57	57
	Science	75	68	8	49	2	1		20	223
	Pharmaceutical Sciences	15	12	3	27				3	60
	Agriculture	45	42	21	20				11	139
	Life Science / Advanced Life Science	13	5	21	10				11	28
	Education Education	17	16		5	1				39
	International Media, Communication and Tourism Studies	27	25		2					54
	Health Sciences	29	16	5	23	1				74
NG STAFF	Engineering	97	101	3	77	1			44	323
ST/	Chemical Sciences and Engineering	<i>)</i>	101	J	//	'			77	0
NG	Public Policy	11	6	3						20
품	Hokkaido University Hospital	5	17	56	84				662	824
TEACHI	Institute of Low Temperature Science	15	10	2	18				9	54
_	Research Institute of Electronic Science	15	12	1	20				10	58
	Institute of Genetic Medicine	9	8	2	17				7	43
	Catalysis Research Center	7	6		6				6	25
	Slavic Research Center	8	3		3	1			O	15
	Information Initiative Center	7	4		2	, 				13
	Central Institute of Isotope Science	1	1		1				1	4
	The Hokkaido University Museum	2	3	1	3				1	9
	Research Center for Integrated Quantum Electronics	3	3		1					7
	Field Science Center for Northern Biosphere	16	11		11				75	113
	Meme Media Laboratory	10			11				13	0
	Research and Education Center for Brain Science									0
	Research Center for Zoonosis Control	5	4	1	2				2	14
	Hokkaido University Archives	Э	4		2				1	
	Center for Advanced Tourism Studies	2	2							2
		2	2							4
	Center for Language Learning	2	2		1					0
	Center for Ainu & Indigenous Studies	2	3		1					6
	Center for Experimental Research in Social Sciences				1					1
	Research Institute for Information Law and Policy									0

		Professors	Associate Professors	-ecturers	Assistant Professors	Research Associates	Specialist Staff	Administration	Technical Staff	TOTAL
		Pro	Ass	Fec	Ass	Res	Spe	Adı	Tec	2
ш	Research Center for Environmental Nano and and Bio Eng.									0
IAF	Research Center for Integrative Mathematics									0
TEACHING STAFF	Center for Sustainability Science	1								1
Ĭ	Center for Education and Research for Topological Sci.&Tech.									0
Ą	Center for Environmental and Health Sciences									0
用	Center for Translational Research	1								1
	Health Care Center	1		2					9	12
	General Affairs and Planning Department							66	1	67
	Finance Department							76		76
	Academic Affairs Department							61		61
	Research Promotion Department							28		28
	Facilities Department							9	26	35
	Office of Internal Auditors							4		4
	Graduate School of Letters / Faculty of Letters Office							15		15
	Faculty of Education Office							7		7
	Graduate School of Law/School of Law Office							17		17
<u> </u>	Economics and Business Administration Office							9		9
ΤĀ	Science / Life Sciences Office							39	2	41
SZ	School of Medicine Office							37	2	39
ADMINISTRATION STAFF	School of Dental Medicine Office							9	1	10
IRA	School of Pharmaceutical Sciences and Pharmacy Office							12		12
ISI	School of Engineering Office							68	3	71
₹ ×	School of Agriculture Office							20	1	21
AD	School of Veterinary Medicine Office							12		12
	Hakodate Campus Office							22	4	26
	Office of Hokkaido University Hospital							112	6	118
	Graduate School of Environmental Science Office							10		10
	Int. Media, Communication and Tourism Studies Office							8		8
	Institute of Low Temperature Science Office							8		8
	University Library Office							90		90
	Northern Campus Administration							11		11
	Field Science Center for Northern Biosphere Office							20		20
	Office of Internal Auditors							4		4
	TOTAL 1 President, 7 Executives, 2 Auditors	710	624	134	570	15	10	812	993	3878



Total Staff
3878

Full-time International Faculty Staff 51

\*Data as of May 1, 2012



## **Faculties and Graduate Schools**

## Graduate School of Letters / Faculty of Letters

Broadly educated faculty members of the Graduate School of Letters and the Faculty of Letters help students build well-rounded characters, and use the wealth of their professional knowledge to assist students with their studies. Our mission is to assist graduates and undergraduates in developing holistic perspectives and acquiring the sound judgment necessary to understand the meaning of the physical world. In particular, the Faculty of Letters helps undergraduates acquire effective verbal skills, including foreign language skills, and learn to comprehensively understand human nature.

## **Graduate School**

## Philosophy and Cultural Sciences

Philosophy, Ethics and Applied Ethics, Religious Studies and Indian Philosophy,

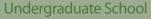
## History and Area Studies

Japanese History, Asian History, Occidental History,

## **Linguistics and Literature**

Linguistics and Western Languages, Western Literature, Linguistic Sciences, Japanology, Sinology,

## **Human Sciences**



## **Humanities and Human Sciences**

Philosophy and Cultural Sciences, History and





## Graduate School of Law / School of Law

The mission of the Graduate School of Law is to develop the next generation of talented legal educators and academics; to develop business persons with sophisticated professional knowledge; and to nurture legal professionals with sophisticated legal knowledge and broad perspectives. The mission of the School of Law is to help undergraduates acquire the basic skills necessary to deal with complex, diverse social issues, and to help them develop leadership skills based on well-rounded characters and intellectual sensibility. Both schools offer a broad and diverse range of curricula.

## **Graduate School**

## Law and Political Studies

**Legal Practice** 

## **Undergraduate School**

## Law

Public Law, Private Law, Criminal Law,





The mission of the School of Economics and Business Administration is to help undergraduates develop the leadership skills necessary to achieve innovation and ingenuity with a sense of mission and passion, and to help them achieve intellectual maturity that enables them to use professional knowledge and social ethics to deal with social issues. The mission of the Graduate School of Economics and Business Administration is to develop world-class scholars of economics and business administration and to nurture talented business professionals with extensive knowledge in economics and business administration as well as in closely related sciences. Both schools offer curricula that meet the needs of highly motivated students.

## **Graduate School**

## Modern Economics and Management

Accounting

## **Undergraduate School**

### Economics

Economic Theory, Economic History, Applied Economics **Business Administration** 



## Graduate School of Medicine / School of Medicine

The mission of the Graduate School of Medicine is to help graduates cultivate professional ethics and well-rounded characters, and to help them master sophisticated medical knowledge and technical skills. The mission of the School of Medicine is to help undergraduates develop the professional ethics and well-rounded characters required for medical professionals; to help them acquire sophisticated medical knowledge and skills and learn to continually improve them throughout their professional careers; and to help them learn to work with other professionals to provide advanced medical care as a team.

## **Graduate School**

### Medicine

Biochemistry, Anatomy, Physiology, Pharmacology, Pathology, Microbiology, Preventive Medicine, Forensic Medicine and Medical Informatics, Internal Medicine, Radiology and Nuclear Medicine, Surgery, Anesthesiology and Critical Care Medicine, Reconstructive Surgery and Rehabilitation Medicine, Reproductive and Developmental Medicine, Sensory Organ Medicine, Neurological Disorder, Advanced Medical Sciences, Immunology\*, Pathological Oncology\*, Molecular Imaging\*\*, Chronomedicine\*\*, Joint Replacement and Tissue Engineering\*\*, Women's Health Educational System\*\*, Translational Pathology\*\*, Organ Transplantation\*\*, Cancer Preventive Medicine\*\*, Advanced Medicine for Spine and Spinal Cord Disorders\*\*, Ocular Circulation and Metabolism\*\*, Ocular Inflammation and Immunology\*\*

## **Undergraduate School**

Anatomy and Embryology, Physiology, Biochemistry, Pharmacology, Pathology, Microbiology, Forensic Medicine and Medical Informatics, Public Health and Hygiene, Internal Medicine **Health Sciences** 







## **Faculties and Graduate Schools**

## Graduate School of Dental Medicine / School of Dental Medicine

Based on the belief that proper oral care is essential for people to maintain good health, the mission of the Graduate School of Dental Medicine and the School of Dental Medicine is to assist undergraduates and graduates in acquiring professional knowledge and technical skills in dentistry and dental care to help students become dentists and dental educators and scholars with professional ethics, well-rounded characters, and inquisitive minds. The School of Dental Medicine offers distinctive education programs such as small-group educational exercises and early hands-on clinical training to help students become well-educated and intelligent dentists. We also provide research-based training intended to help students improve their problem-solving skills.

## **Graduate School**

#### **Oral Medical Science**

Oral Functional Science, Oral Health Science, Oral Pathobiological Science, Stomatognathics,\* Geriatric Oral Science\*\*\*

## **Undergraduate School**

Dentistry Oral Histology and Embryology, Oral Biochemistry, Oral Pathology, Oral Bacteriology, Dental Pharmacology Dental Materials and Engineering, Operative Dentistry,

Periodontology and Endodontology, Oral Diagnosis and Oral Medicine, Oral and Maxillofacial Surgery, Dental Radiology, Dental Anesthesiology, Pediatric Dentistry, Orthodontics and Aging Dentistry, Preventive Dentistry



## Graduate School of Veterinary Medicine / School of Veterinary Medicine

The mission of the Graduate School of Veterinary Medicine and the School of Veterinary Medicine is to help students become veterinarians with creative minds and well-rounded characters who understand what is expected of veterinary medicine in society and have a scientific and analytic frame of mind. We also aim to cultivate students into veterinary experts who use sophisticated knowledge and technical skills in veterinary medicine to meet social needs in Japan and abroad. We offer small-group education programs so that students can acquire a broad range of professional knowledge and skills to deal with animal diseases.

## **Graduate School**

Veterinary Medicine Biomedical Sciences, Disease Control, Veterinary Clinical Sciences, Environmental Veterinary Sciences, Applied Veterinary Sciences, Zoonosis Control \*

## **Undergraduate School**

Veterinary Medicine Basic Veterinary Science, Pathobiological Veterinary Science, Applied Veterinary science, Veterinary Clinical Medicin



## Graduate School of Information Science and Technology

The mission of the Graduate School of Information Science and Technology is to contribute to the evolution of a highly sophisticated information society, which leads to the emergence of a knowledge-based society. We support graduate students study a legacy of theories in information science and technology and pursue new theories to become IT engineers with a broad range of knowledge and international perspective. We also aim to nurture IT researchers capable of using their creativity to conduct research and development projects on their own.



## Graduate School of Information Science and Technology

## **Graduate School**

## Synergetic Information Science

Complex Systems Engineering, Large-scale Information Systems\* **Computer Science** 

Knowledge Software Science, Mathematical Information Science, Large-scale Discrete Computation

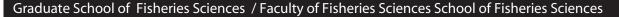
#### **Electronics for Informatics**

## **Bioengineering and Bioinformatics**

Bioinformatics, Biomedical Systems Engineering, Biological

#### Media and Network Technologies

#### **Systems Science and Informatics**



The mission of the Graduate School of Fisheries Sciences, the Faculty of Fisheries Sciences, and the School of Fisheries Sciences is to comprehensively research the sustainable reproduction and efficient use of marine and aquatic resources, which are the shared property of humanity, and to delve into the basic and advanced aspects of preserving the marine ecosystem to ensure the sustainable use of marine resources. We aim to help students develop a creative and positive frame of mind to study issues related to the global environment, natural resources and food, all of which affect the international community, local communities, and business communities. To achieve this objective, we offer curricula in which students can acquire professional knowledge, broad perspectives, and high ethical standards.

## **Graduate School**

## Marine Bioresource and Environmental Science

Marine Biology and Biodiversity, Marine Bioresource Science, Marine Environmental Science, Marine Bioresource and Environmental Sensing, Marine Industrial Science and Technology, Chair of Studies on Marine Bioresources Conservation and Management Marine Life Science

Biotechnology and Microbiology, Marine Bioresources Chemistry, Science and Technology



## **Undergraduate School**

Marine Biology, Applied Marine Science, Aquaculture Life Science, Marine Bioresources Chemistry Marine Biology, Applied Marine Science, Aquaculture Life Science, Marine Bioresources Chemistry

## Faculty (Research)

## Marine Bioresource and Environmental Science

## Marine Life Science

Bioresources Chemistry, Marine Products and Food Science, Marine Biosafety Science and Technology.





## **Faculties and Graduate Schools**

## Graduate School of Environmental Science / Faculty of Environmntal Earth Science

The mission of the Graduate School of Environmental Science and the Faculty of Environmental Earth Science is to assist students in studying earth science, biology, and material science, and using what they learn in these fields to research global environmental issues and determine how to resolve them. We also aim to nurture researchers and professionals ready to tackle pressing global environmental issues. We accept students with outstanding scholastic abilities and take an interdisciplinary approach to educating them on environmental science. We offer diverse curricula including general theory, foundation theory, advanced study, school-wide inter-disciplinary courses, and Antarctic science, and play a leading role in environmental education.

## **Graduate School**

## **Environmental Science Development**

Human and Ecological Systems, Environmental Adaptation Science, Practical Science for Environment, Global

## Earth System Science

Geochemistry, Cryosphere Science\*\*\*, Atmosphere-Ocear and Climate Dynamics

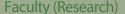
## **Biosphere Science**

Ecosystem Biology, Ecological Genetics, Molecular Biology, Plant Ecology, Animal Ecology, Marine Biogeochemistry and Physics, Acquatic Biology, Forest Conservation, Agro-Ecosystem Science

### **Environmental Materials Science**

Biomaterials Chemistry, Environmental Nano-Materials,

Molecular Photonics and Electronic Science, Environmental Catalytic Chemistry



#### Integrated Environmental Science

Conservation on Natural Environments, Environmental Geography, Environmental Adaptation Science, Practical and Earth Sciences for Environment

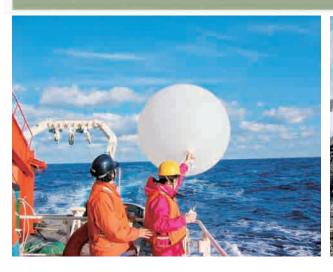
## Earth System Science

Biogeosystem Science, Marine and Atmospheric Geochemistry, Atmosphere-Ocean Physics, Climate Dynamics Environmental Biology

Terrestrial Ecology, Conservation Ecology, Ecological Genetics, Environmental Molecular Biology

### **Materials Science**

Biomaterials Chemistry, Functional Materials Chemistry, Molecular Materials Chemistry







## Graduate School of Science / Faculty of Science / School of Science

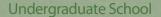
Humans have long been fascinated by how nature has evolved, and have always wanted to know how it works. The Graduate School of Science, the Faculty of Science, and the School of Science are dedicated to academic pursuit originating from our desire to learn more about nature. Our mission is to help students develop the following academic attributes:

- 1. The ability to understand the true nature of an event and identify laws that govern the event (the ability to turn an idea into a universal theory and prove its validity, and the ability to model things and describe the model in a logical and sensible manner).
- 2.The ability to describe the outcome of academic research in a logical manner, use logic to convince others, and exercise leadership in making a social contribution.

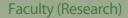
## **Graduate School**

## Mathematics, Mathematics **Condensed Matter Physics**

Quantum Solid State Physics, Condensed-Matter Physics Cosmosciences Fundamental Physics, Cosmos and Planets Natural History Sciences Earth and Planetary Dynamics, Communication, Seismology and Volcanology



Mathematics, Mathematics, Physics, Physics, Chemistry, Chemistry, Biological Sciences, Biology, Macromolecular Functions, Earth and Planetary Sciences, Earth and Planetary Sciences

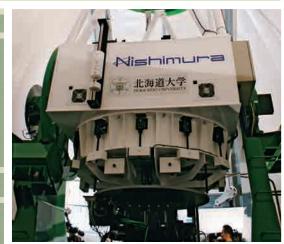


**Mathematics Mathematics** 

Chemistry Physical Chemistry, Inorganic and Analytical

Chemistry, Organic and Biological Chemistry
Physics Quantum Physics, Electronic Condensed Matter Physics,
Condensed Matter Physics, Nonlinear Physics
Natural History Sciences Cosmo and Planetary Sciences, Earth
and Planetary Dynamics, Earth and Planetary System Science,

**Biological Sciences Biological Sciences** 





## Faculty of Pharmaceutical Sciences / School of Pharmaceutical Sciences and Pharmacy

The mission of the Faculty of Pharmaceutical Sciences and the School of Pharmaceutical Sciences and Pharmacy is to help students become researchers and leading pharmacists capable of discovering groundbreaking medicines and their clinical applications. We offer education and research programs on pharmaceutical sciences—comprising foundations of pharmacy, life sciences, molecular pharmaceutical sciences, and biopharmaceutical sciences.

## Faculty (Research)

Molecular Pharmaceutical Sciences Molecular and Cellular Biological Sciences, Chemistry and Medicinal Chemistry, Biomolecular Science\*\*

**Biopharmaceutical Sciences and Pharmacy** 

## **Undergraduate School**

Pharmaceutical Sciences, Pharmacy, Pharma. Sciences, Pharmacy





## **Faculties and Graduate Schools**

## Research Faculty of Agriculture / Graduate School of Agriculture / School of Agriculture

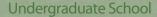
The mission of the Research Faculty of Agriculture, the Graduate School of Agriculture, and the School of Agriculture is to conduct research to create and rebuild a new system of agriculture that deals with wide-ranging food issues that face mankind around the globe. We offer education programs that cover all areas related to resolving pressing issues to ensure sustainable existence of mankind, with a goal of nurturing researchers and talented business professionals capable of make sound judgments from regional and global perspectives.

## **Graduate School**

Bio-systems Sustainability Agricultural and Resource Economics, Safety and Function of Food, Biomass Conversion, Sustainable Agro-science

Agrobiology Applied Molecular Biology, Plant Breeding Science, Botany and Agronomy, Animal Production

Applied Bioscience Food Science, Biomolecular Chemistry Environmental Resources Ecology and Systematics, Regional Environment, Science of Forest Resources, Integrated Forest-Landscape Management, Bioproduction Engineering



Agrobiology and Bioresources, Applied Bioscience, Bioscience and Chemistry, Forest Science, Animal Science, Agricultural Engineering, Agricultural Economics Agrobiology and Bioresources, Applied Bioscience, Bioscience and Chemistry, Forest Science, Animal Science, Agricultural Engineering, Agricultural Economics

## Research Faculty

Bioresources and Product Science Botany and Agronomy, Horticultural Science and Landscape Architecture, Animal Production, Animal Product Science, Bioproduction Engineering, Agricultural Economics Environmental Resources Ecology and Systematics, Regional Environment, Forest Resource Science, Forest Management and Conservation

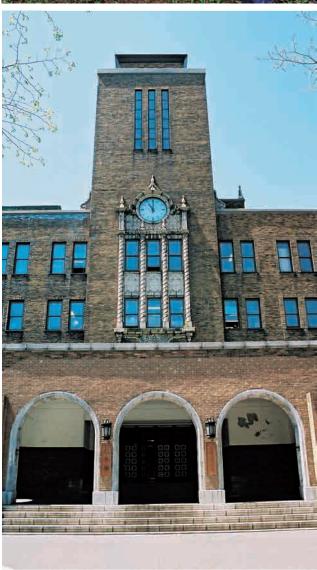
Applied Bioscience Plant Breeding Science, Applied Molecular Biology, Bioorganic Chemistry, Molecular Bioscience, Food Science, Novel Microbial

Function\*\*

Innovation in Life, Resources and Environment Sciences Social. Local and Global Integrations







## Graduate School of Life Science

Significant progress has been made in both basic and applied research in life science, using genetic information obtained from a variety of animals, including the human genome. The Graduate School of Life Science offers innovative graduate programs intended to help students acquire the knowledge and skills necessary to make meaningful contributions to the continued development of life science in Japan.

## **Graduate School**

Life Sciences Transdisciplinary Life Science, Biosystems Science, Biomedical and Pharmaceutical Science Clinical Pharmacy Clinical Pharmacy



## Faculty of Advanced Life Science

Developments in the field of Life Science are very diverse - from basic research to applied research. The Faculty was established as a transdisciplinary institution consisting of professionals from a wide range of research fields. We not only cover areas such as biochemistry within cells or structures and functions of biological molecules, but also conduct research related with observation and analysis of various molecular functions and movements on a real-time basis. Through our education and research programs, the faculty aims to foster the researcher as a new type of scientist who is capable to unite the existing disciplines of biology, chemistry and physics. The Frontier Research Center for Post-genome Science and Technology work with corporations to conduct expansive research projects that brings research results to society.

## Faculty (Research)

## Advanced Transdisciplinary Science

X-ray Structural Biology, Molecular Life Science, Soft & Wet Matter Science, Tissue Organization Science, Cellular Dynamics Science, Drug Discovery Research, Chemical Biology, Molecular Delivery Science (Nitto Denko Co., Ltd)\*\*\*

Functional Life Sciences Cell Biology Science, Molecular and Cellular Biology, Biological Information Analysis Science, Functional Cell Science, Glyco-signal Biology, Embryonic and Genetic Engineering







## **Faculties and Graduate Schools**

## Graduate School of Education / Faculty of Education / School of Education

The mission of the Graduate School of Education, the Faculty of Education, and the School of Education is to develop researchers who pursue practical research to establish new education philosophies and systems and resolve wide ranging educational issues; to develop education professionals with highly specialized academic and practical knowledge and skills; and to develop educators with well-rounded characters who can adopt innovative theories to effectively address issues concerning education.

## **Graduate School**

Education Pedagogical Foundations of Education, Life-long Education, Educational Social Sciences, Educational Psychology Clinical Psychology, Health Education, Physical Education, Multicultural Education.

## **Undergraduate School**

Education Psychology of Education, Social Sciences of Education, Pedagogical Foundations of Education, Science of Health & Physical Education

## Faculty (Research)

Education Human Developmental Sciences, Educational and Social Developmental Studies

## Graduate School of International Media, Communication, and Tourism Studies / Research Faculty of Media and Communication

The mission of the Graduate School of International Media, Communication, and Tourism Studies and the Research Faculty of Media and Communication is to nurture researchers and business professionals who have the professional expertise in public relations, journalism, media culture, verbal communication, and tourism necessary to effectively address changes and issues in today's society and to become prominent players in the local and international arenas.

## **Graduate School**

#### International Media and Communication

Public Communication, Journalism, International Public Relations, Media and Culture, Multi-Media Studies, Language and Communication, Language Acquisition, Japanese Linguistics, International PR Strategies\*\*\*

Tourism Creation Tourism Creation, International Regional Culture Studies, Tourism Regional Management\*\*\*

## Faculty (Research)

Media and Communication Public Communication, Journalism,
International Public Relations, Media and Culture, Multi-Media Studies, Language and Communication, Language
Acquisition, International Regional Culture Studies, Multicultural Education, International PR Strategies\*\*\*



The mission of the Graduate School of Health Sciences and the Faculty of Health Sciences is to develop advanced-medical-care professionals who use leading-edge knowledge and technical skills to meet social needs for advanced medical care and play a prominent role in the next generation of health sciences, and to develop researchers who can play a leading role in the global arena of health-science research beyond their fields of specialty.

## **Graduate School**

Health Sciences Health Sciences, Nursing

## Faculty (Research)

Health Sciences Fundamental Nursing, Comprehensive Developmental Nursing, Biomedical Science and Engineering, Medical Laboratory Science, Rehabilitation Science, Functioning and Disability, Health Sciences, Food & Nutrition for Health Promotion Donated by Watanabe Oyster Lab. Co. Ltd & Hokuto Endowed Chair in Prevention of Joint Diseases.









## Graduate School of Engineering / Faculty of Engineering / School of Engineering

The mission of the Graduate School of Engineering, the Faculty of Engineering, and the School of Engineering is to transfer our legacy of academic accomplishments to students to help them acquire and refine basic and advanced professional disciplines in engineering. We also aim to help students acquire the wide-ranging knowledge, sound judgment, and practical skills necessary to deal with globalization as well as the advancement of science and technology.

## **Graduate School**

Applied Physics Quantum Matter Physics, Complex Material Physics, Optical Science and Technology, Solid State Physics and Engineering

Materials Science and Engineering Ecological Materials, Materials Design, Energy Materials, Energy Conversion Materials, Ironmaking and Steelmaking\*\*\*, Frontier Energy Engineering\*\*\*

Mechanical and Space Engineering Space Systems Engineering, Materials and Fluid Mechanics, Space Exploration Engineering\*\*\*

Human Mechanical Systems and Design Biomechanics and Robotics, Micromechanical Systems, Biomedical Simulation\*\*\*

Energy and Environmental Systems Nuclear and Environmental Systems, Applied Energy Systems

Quantum Science and Engineering Applied Quantum Beam Engineering, Plasma Science and Engineering,
Nanomaterials Science, Materials Structure Science\*\*\*, Fusion Science\*\*\*

Field Engineering for the Environment Hydraulic and Aquatic Environment Engineering, Geotechnical and Material Engineering for Disaster Prevention

Engineering and Policy for Sustainable Environment Engineering for Sustainable Infrastructure System, Policy for Engineering and Environment

Architectural and Structural Design Structural and Urban Safety Design, Human Settlement Design Human Environmental Systems Planning and Performances for Built Environment, Building Science and Space Planning

Environmental Engineering Water Metabolic System, Environmental Management Systems Sustainable Resources Engineering Resources Engineering, Geoenvironmental Engineering

## **Undergraduate School**

Applied Science and Engineering Applied Physics and Engineering, Applied Chemistry, Materials Engineering Electronics and Information Engineering Information Engineering, Computer Science, Electronics for Informatics, Bioengineering and Bioinformatics, Media and Network Technologies, Systems Science and Informatics Mechanical and Intelligent System Engineering Mechanics and Information, Mechanical Systems Socio-Environmental Engineering Civil Engineering, Public Policy and Engineering, Architecture, Environmental Engineering, Sustainable Resources Engineering







## **Faculties and Graduate Schools**

## Graduate School of Engineering / Faculty of Engineering / School of Engineering

## Faculty (Research)

Applied Physics Quantum Matter Physics, Complex Material Physics, Optical Science and Technology, Solid State

Chemical Process Engineering Industrial Organic Chemistry, Chemical Engineering

Biotechnology and Macromolecular Chemistry Biotechnology, Chemistry of Functional Molecules

Materials Chemistry Functional Materials Chemistry, Inorganic Materials Chemistry

Materials Science and Engineering Ecological Materials, Materials Design, Energy Materials

Mechanical and Space Engineering Space Systems Engineering, Materials and Fluid Mechanics

Human Mechanical Systems and Design Biomechanics and Robotics, Micromechanical Systems

Energy and Environmental Systems Nuclear and Environmental Systems, Applied Energy Systems

Quantum Science and Engineering Applied Quantum Beam Engineering, Plasma Science and Engineering

Field Engineering for the Environment Hydraulic and Aquatic Environment Engineering, Geotechnical and Material

Engineering and Policy for Sustainable Environment Engineering for Sustainable Infrastructure System,

Policy for Engineering and Environment, River Engineering for Cold Regions \*\*

Architectural and Structural Design Structural and Urban Safety Design, Human Settlement Design

Human Environmental Systems Planning and Performances for Built Environment, Building Science and Space

Environmental Engineering Water Metabolic System, Environmental Management Systems, Biowaste

Sustainable Resources Engineering Resources Engineering, Geoenvironmental Engineering, Soil Environmental

## Graduate School of Chemical Sciences and Engineering

The mission of the Graduate School of Chemical Sciences and Engineering is to develop chemical engineers and researchers capable of flexibly meeting the needs of society. To achieve this mission, we offer students common education programs on fundamental chemistry, and faculty members of science and engineering departments work together to provide expansive education programs that meet student's career goals (engineers and researchers working in the corporate environment, researchers working in public institutions, and educators in higher education).



## **Graduate School**

Chemical Sciences and Engineering Molecular Chemistry and Engineering,

## Graduate School of Public Policy / Faculty of Public Policy

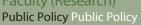
As more people get involved in making and implementing public policies, the Graduate School of Public Policy and the Faculty of Public Policy aim to help students become versatile public-policy experts. To achieve this objective, our

prominent faculty members provide small-group education, and the graduate school offers three crossover programs. Students have opportunities to pursue careers serving national and local governments or as public-policy professionals working in corporations, think tanks, and NPOs.

## **Graduate School**

Public Policy Public Management, International Relations, Technology Policy

Faculty (Research)





## Research Institutes and Centers

## Institute of Low Temperature Science

The Institute of Low Temperature Science (ILTS) was founded in 1941 as the first research institute in Japan to promote interdisciplinary studies on various natural phenomena occurring in the cryosphere. The cryosphere is of special importance to the climate and is changing rapidly. It is thus essential that we have the latest and best information available regarding ongoing changes in the cryosphere.

## **Joint Research Division**

**Research Divisions** Water and Material Cycles Ocean and Sea Ice Dynamics, Atmosphere-Ocean Interaction, Cloud Science Research, Atmospheric Chemistry and Organic Geochemistry, Land-Atmosphere Interaction, Meteorology/Hydrology Frontier Ice and Snow Science Glacier and Ice Sheet Research, Phase Transition Dynamics, Ice and Planetary Science, Astrophysical Chemistry, **Theoretical Planetary Sciences Environmental Biology** Cold Region Plant Ecology and Physiology, Plant Adaptation Biology, Microbial Ecology,

Biodiversity, Biochemistry

Pan-Okhotsk Research Center



WEBSITE: http://www.lowtem.hokudai.ac.jp

## Research Institute for Electronic Science

The Research Institute for Electronic Science (RIES) has the main objective of creating new cross-disciplinary research areas through the fusion of various research fields. It aims to create a novel research field, 'Interdisciplinary Nano-Science' through the fusion of photonic, molecular, life and mathematical sciences.



WEBSITE: http://www.es.hokudai.ac.jp/english

**Photonics and Optical Science** Photo-System Physics, Quantum Information Photonics, Coherent X-ray Optics Material and Molecular Sciences Molecular Photonics, Smart Molecules, Nanostructure Physics, Functional Thin Film Materials Biology and Life Sciences Molecular and Cellular Biophysics, Molecular Device Mathematical and System Science Complex Systems Research, Molecule & Life Nonlinear Sciences, Mathematical Modeling Green Nanotechnology Research Center Green Photonics, Nanostructured Functional Materials, Nanophotonics, **Functional Nanomolecular Materials** 

Cooperation Advisory
Research Support Department
Nikon Imaging Center, Promotion Office
for International Alliance, Promotion
office for Nanotechnology Collaboration

Sanken Alliance, Riken Alliance, Social

Cooperative Research



## Research Institutes and Centers

## Institute for Genetic Medicine

The Institute for Genetic Medicine was established in April 2000 after the Institute of Immunological Science and the Cancer Institute, School of Medicine merged. Together, we combine ninety years of experience to achieve our mission to elucidate the molecular basis of various illnesses including cancer, immune diseases, infectious diseases, and cardiovascular diseases, and to provide means for diagnosis and therapeutics for those illnesses.



Molecular Pathogenesis Tumor Virology, Stem Cell Biology, Signaling in Cancer and Immunology, Molecular Immunology Pathophysiology Cancer Biology, Molecular Virology, Molecular Oncology, Immunobiology Disease Control Disease Model Innovation, Immunoregulation, Molecular Interaction **Endowed Department** Matrix Medicine, ROYCE' Health Bioscience, Probiotics Immunology Laboratory of Animal **Experiments** 

Center for Infection-Associated Cancer

WEBSITE: http://www.igm.hokudai.ac.jp

## Catalysis Research Center

Catalysis chemistry has been in strong demand in building a sustainable society through timely response to the ever increasing requirements of environmental conservation, resources and energy. Since its founding in 1989, the Catalysis Research Center has been promoting high-level education based on advanced research and continues to be at the forefront of world-wide catalytic research.

Fundamental Research Division Surface Structure Chemistry, Interfacial Spectrochemistry, Catalytic Reaction Chemistry, Catalytic Materials Chemistry, Molecular Catalysis Chemistry, Catalytic Transformation, Catalytic Assemblies, Theoretical Catalytic Chemistry **Target Oriented Research Assembly** Research Cluster for Sustainable Catalyst, Research Cluster for Development of Non-centrochirality As Novel Asymmetric Reactants Media, Research Cluster of Well-defined Surface Structures for Precise Reaction Control, Research Cluster of Study for Energy Conversion, Research Cluster of Bio-Interface, Research Cluster for Reaction Field Based on Molecular Assembly, Research Cluster for Multifunctional **Green Catalysis** 



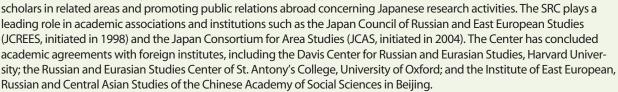
WEBSITE: http://www.cat.hokudai.ac.jp



## Slavic Research Center

Russian Studies Siberian and Far Eastern Studies Central Eurasian Studies East European Studies Comparative Studies

The Slavic Research Center's history goes back to June 24, 1953, when a team of researchers on Slavic Eurasian studies was set up at Hokkaido University. The SRC's activities and resources are open to society inside and outside Japan, allowing joint research with



WEBSITE: http://src-h.slav.hokudai.ac.jp/index.html

## Information Initiative Center

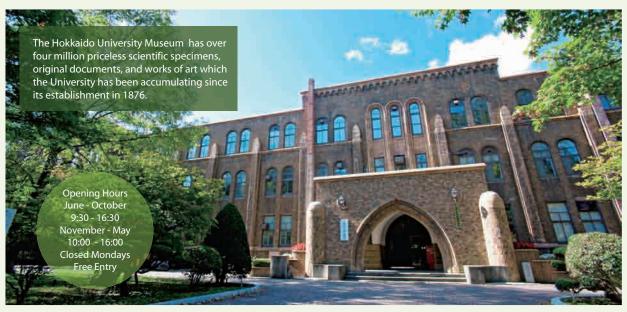


The Information Initiative Center was established in April 2003 for the promotion of advanced research in the development of ICT (information and communications technology) as well as to help the University to construct and maintain its ICT infrastructures. The Center endeavors to promote educational research utilizing ICT and to support the University in carrying out its curriculum based on these developments. In addition to fundamental support to the University, the Center also plays an important role as a resource center for nationwide ICT collaboration.

Large-scale Computing Systems Information Networks Digital Contents Media Education

WEBSITE: http://www.iic.hokudai.ac.jp

## Hokkaido University Museum









## Research Centers

Center Name	Function
Central Institute of Isotope Science  WEBSITE: http://www.hokudai.ac.jp/radiois/	Provides facilities for educational training and research on radioisotope use, controls its use in the University, and conducts research and development on isotope science.
Research Center for Integrated Quantum Electronics  WEBSITE: http://www.rciqe.hokudai.ac.jp/index.html	Consists of four research areas: quantum crystal photonics, quantum intelligent devices, quantum integrated processing, and quantum integrated systems. Promotes cooperative research activities on and off campus.
Field Science Center for Northern Biosphere  WEBSITE: http://www.hokudai.ac.jp/fsc/	Conducts comprehensive research on the Northern Biosphere based on Field Science and provides educational and research support.
Meme Media Laboratory  WEBSITE: http://www.meme.hokudai.ac.jp/	Promotes R & D of new information media technologies for the distribution and reediting of knowledge resources, and conducts IT research that will form innovative technological seeds for future business and industry.
Research and Education Center for Brain Science  WEBSITE: http://www.hokudai.ac.jp/recbs/	Provides graduate students with programs on Brain Science through the study of differentiations in brain functions, cognition, and behavior within critical periods.
Research Center for Zoonosis Control  WEBSITE: http://www.hokudai.ac.jp/czc/index-e.html	Establishes effective strategies for prediction, prevention, and control of zoonotic diseases, and conducts global surveillance to identify natural host animals and transmission routes of pathogens.
Hokkaido University Archives  WEBSITE: http://www.hokudai.ac.jp/bunsyo/	Collects, classifies, and preserves the historical documents and records of Hokkaido University.
Center for Advanced Tourism Studies  WEBSITE: http://www.cats.hokudai.ac.jp/	Conducts advanced research on tourism innovation and collaboration, and also provides facilities for the promotion of trans-disciplinary research on tourism studies.
Center for Language Learning  WEBSITE: http://www.imc.hokudai.ac.jp/lang/	Provides students with state-of-the-art facilities for learning foreign languages and cultures.
Center for Ainu and Indigenous Studies  WEBSITE: http://www.cais.hokudai.ac.jp/en/	Cooperates with Ainu people to promote interdisciplinary research and education on indigenous peoples and builds a network with the world's similar institutions and indigenous organizations.
Center for Experimental Research in Social Sciences  WEBSITE: http://lynx.let.hokudai.ac.jp/cerss/	Advances experimental studies in the social sciences, develops and promotes young social scientists, and expands research activities internationally.

HOKKAIDO UNIVERSITY,

Center Name	Function
Research Institute for Information Law and Policy  WEBSITE: http://www.juris.hokudai.ac.jp/riilp/index.html	Develops a theoretical framework for Information Law and Policy focusing on the governing process of policy making in the market, the legislature, the administration, and the judiciary and applies it to various areas where information regulations are called into question, such as intellectual property law.
Research Center for Environmental Nano and Bio Engineering  WEBSITE: http://www.eng.hokudai.ac.jp/nanobio/eg/	Conducts advanced research on environmental nano and bio engineering in collaboration with related universities, research institutes and companies at home and abroad, and provides educational programs, international seminars and workshops to foster young researchers.
Research Center for Integrative Mathematics  WEBSITE: http://www.math.sci.hokudai.ac.jp/center/en/	Transcends boundaries of different scientific disciplines with mathematics as a common language to solve mathematical problems in other research fields.
Center for Sustainability Science  WEBSITE: http://www.census.hokudai.ac.jp/	Develops trans-disciplinary educational programs on sustainability and conducts advanced research on global and regional sustainability.
Center of Education and Research for Topological Science and Technology WEBSITE: http://www.topo.hokudai.ac.jp/en/index.html	Researches and educates on topics related to topological science such as science, technology, medicine, and economics.
Center for Environmental and Health Sciences  WEBSITE: http://www.cehs.hokudai.ac.jp/	Provides facilities to carry out large-scale epidemiological projects and basic and applied research on environmental and health sciences, the results of which will be presented nationally and internationally. Promotes closer links between domestic and foreign Centers of Excellence, educates individuals working on diverse environmental problems, and aims to develop research in the field of environmental and health sciences.
Center for Translational Research  WEBSITE: http://www.med.hokudai.ac.jp/~htr/index.html	Plays a central role in promoting translational research in life sciences to facilitate the commercialization of results of basic research projects, works closely with six other TR bases and develops support staff for translational research.
Health Care Center  WEBSITE: http://www.hokudai.ac.jp/hokekan/index.html	Performs health administration in maintaining and improving student and staff health and provides primary medical care.



## **University Libraries**

One of Japan's leading research libraries with a unique collection of materials particularly focused on the northern region, Hokkaido University's libraries contain approximately 3.8 million volumes. Seeking to optimize our user experience, we are bolstering our capacity as well as improving our electronic collection and provision of resources. With around 1,200 seats, our libraries play a vital role as places of learning.



C	ollections (data as of March 31, 2012)	Japanese Books	Foreign Books	Total	Journals	
	Central Library	886,034	737,075	1,623,109	32,089	
	North Library	233,715	105,128	338,843	1,785	
	Subtotal	1,119,749	842,203	1,961,952	33,874	
C	ollections by Department					
	Creative Research Institute	2	1	3	15	
	Center for Research and Development in Higher Education	4,316	1,053	5,369	187	
	Letters	189,934	128,258	318,192	5,173	
	Law	7,848	2,753	10,601	1,224	
	Economics and Business Administration	13,699	8,018	21,717	1,537	
	Medicine	78,042	120,054	198,096	5,911	1*
	Dental Medicine	24,913	21,206	46,119	1,275	
	Veterinary Medicine	10,912	25,807	36,719	1,419	
	Information Science and Technology	4,186	4,646	8,832	800	2*
	Fisheries Sciences	78,488	55,485	133,973	5,085	
	Environmental Science/Environmental Earth Science	9,975	9,107	19,082	594	
	Science	42,277	173,513	215,790	4,171	
	Pharmaceutical Sciences and Pharmacy	6,698	4,808	11,506	288	
	Agriculture	142,073	107,378	249,451	8,156	
	Life Science / Advanced Life Science	25	53	78	26	
	Education	22,753	7,160	29,913	1,162	
	International Media, Communication, and Tourism Studies Media and Communication	9,723	16,184	25,907	360	
	Health Sciences	35,525	4,746	40,271	960	
	Engineering	138,665	131,853	270,518	5,310	
	Public Policy	6	0	6	1	
	Institute of Low Temperature Science	11,501	25,072	36,573	1,704	
	Research Institute for Electronic Science	2,415	5,450	7,865	62	
	Institute for Genetic Medicine	698	702	1,400	64	
	Catalysis Research Center	3,206	12,064	15,270	451	
	Slavic Research Center	3,175	98,904	102,079	1,756	
	Information Initiative Center	0	0	0	59	
	Hokkaido University Museum	7,835	2,756	10,591	855	
	Field Science Center for Northern Biosphere	5,619	1,573	7,192	96	
	Hokkaido University Archives	902	2	904	0	
	Center for Ainu and Indigenous Studies	1,781	259	2,040	86	
	Subtotal	857,192	968,865	1,826,057	48,787	
	Total	1,976,941	1,811,068	3,788,009	82,661	

<sup>1\*</sup> Includes the hospital and Central Institute of Isotope Science

<sup>2\*</sup> Includes the Research Center for Integrated Quantum Electronics

Library Hours		
Sections	Monday through Friday	Saturday, Sunday, and Holidays
Open-stack reading rooms	9:00 – 22:00	9:30 – 19:00
Stack rooms	9:00 – 20:00	10:00 – 18:30
Group study rooms	9:00 – 21:30	9:30 – 18:30
Fourth-floor reading room in North Library	9:00 – 21:30	9:30 – 18:30
Multimedia room in North Library	9:00 – 21:30	9:30 – 19:00

## Hokkaido University Hospital

Total Beds 936 Established in 1921, Hokkaido University Hospital provides high quality medicine, cultivates competent persons in the medical field, promotes advanced medical technology and seeks to contribute to the health and well being of the community. Below is the in-patient / out-patient list for the 2011 Fiscal Year.

Medical Clinical Division				
Clinical Sections	Number of	Number of Patients		
	Beds	Out-patients	In-patients	
Internal Medicine I	44	27,402	14,936	
Internal Medicine II	47	45,641	14,569	
Internal Medicine III	44	45,116	16,467	
Cardiovascular Medicine	32	17,942	11,833	
Hematology	36	11,485	13,946	
Medical Oncology	5	2,928	5,320	
Surgery I	40	17,029	16,710	
Surgery II	28	5,547	11,338	
Cardiovascular Surgery	18	4,826	8,829	
Orthopedic Surgery	48	32,600	19,468	
Urology	32	23,634	12,309	
Anesthesiology	2	11,240	118	
Plastic Surgery	25	6,846	8,642	
Sports Medicine	6	2,920	1,656	
Pediatric Surgery	6	2,570	1,386	
Emergency Service	6	1,762	5,198	
Neurological Medicine	16	18,613	8,200	
Ophthalmology	32	38,809	11,314	
Otolaryngology	32	19,077	12,946	
Dermatology	22	22,372	7,970	
Psychiatry & Neurology	72	50,000	22,700	
Neurosurgery	32	11,808	13,904	
Rehabilitation & Physical Medicine	20	41,352	4,216	
Obstetrics	38	10,313	14,519	
Gynecology	30	25,196	11,745	
Pediatrics	40	17,835	12,354	
Radiation Oncology	17	21,021	5,725	
Diagnostic and Interventional Radiology	1	45,027	207	
Nuclear Medicine	6	6,915	2,074	
Intensive Care Unit	10	_	(3,565)*	
Neonatal Intensive Care Unit	9	_	(2,444)*	
High Qualified Clean Ward	5	_	(1,401)*	
General	109	_	(17,758)*	
Total	910	587,826	290,599	

Dental Clinical Division				
Clinical Sections	Number of Beds	Number of Patients		
	Deus	Out-patients	In-patients	
Division of Comprehensive Conservation Dentistry		56,744		
Division of Oral Rehabilitation		62,156		
Division of Oral and Maxillofacial Disorders	26	41,419	8,192	
Center for Advanced Oral Medicine		20,423		
Division for General Dentistry		3,054		
Total	26	183,796	8,192	
Grand Total				
	936	771,622	298,791	
	250		======	

<sup>\*</sup>Patients admitted under this category are listed under more specific clinical sections and therefore numbers in brackets do not form parts of the overall total number of In-patients.



## Number of Students / Degrees Granted

Undergraduate Courses				
Faculties	Regular Students	Research Students	Auditors	Total
Letters	657	43	51	757
Education	197	12	22	231
Law	718		12	730
Economics and Business Administration	649	17	9	678
Science	964	4		977
Medicine	1,140			1,140
Dental Medicine	273	2		275
Pharmaceutical Sciences and Pharmacy	321	1	1	323
Engineering	2,212		12	2,224
Agriculture	716		12	728
Veterinary Medicine	210		1	211
Fisheries Sciences	676		14	690
General Education	2,697			2,697
Total	11,430	79	152	11,661

Graduate Courses						
	Regular Students			Danasala		
Faculties	Master's Course	Professional Course	Doctor's Course	Research Students	Auditor	Total
Letters	252		212	6	13	483
Law	53	177	49	8	11	298
<b>Economics and Business Administration</b>	67	44	33	1	3	148
Medicine	43		407	6	4	460
Dental Medicine			164	15		179
Veterinary Medicine			80	8		88
Information Science and Technology	431		174	3	7	615
Fisheries Sciences	242		81	1	4	328
Environmental Science / Environmental Earth Science	300		181	8	0	492
Science	265		152	4	4	425
Pharmaceutical Sciences						1
Agriculture	368		155	10	0	533
Life Science	248		151	0	1	400
Education	97		122	4	5	228
International Media, Communication, and Tourism Studies / Media and Communication	110		75	6	1	192
Health Sciences	68		43	7	2	120
Engineering	726		239	12	1	984
Chemical Sciences and Engineering	303		98		2	397
Public Policy		78			3	81
Total	3,573	299	2,415	99	63	6,450

## Institutes and Centers

Institutes / Centers	Research Students, etc.
Institute of Low Temperature Science	1
Research Institute for Electronic Science	1
Catalysis Research Center	1
Slavic Research Center	3
Office of International Affairs	37
The Hokkaido University Museum	2
Field Science Center for Northern Biosphere	3
Center for Advanced Tourism Studies	1
Total	50

Total Number of Students

18,161

Number of Degrees Granted				
Degrees	2011	Overall		
Bachelor's Degree	2,613	126,518 (since 1880)		
Master's Degree	1,557	40,594 (since 1955)		
Professional	131	915 (since 2005)		
Doctorate	432	21,957 (since 1922)		
Total	4,733	189,984		

## Offices Serving the Student Body

## **Admission Center**

The Hokkaido University Admission Center plays the go-between role matching students who want to study at Hokkaido University with our faculties and research institutes. The Center is responsible for conducting entrance examinations and overseeing admissions. It is open to everyone who wants to study at Hokkaido University: high school graduates, adults who want to continue their education, university students who want to go on to graduate school, and even junior high and elementary school students who wish to use our educational facilities.

TEL: +81-(0)11-706-7484 FAX: +81(0)11-706-7488 EMAIL: ac-info@academic.hokudai.ac.jp WEBSITE: www.hokudai.ac.jp/bureau/nyu/index.html

## Career Center

This Center provides advisory services tailored to the needs of each student in designing life plans. It also holds recruitment events, offers individual consulations, and can act as a gateway to internships and fruitful business connections.

Office hours: 8:30 ~ 18:00 Except on Saturdays, Sundays, and National Holidays TEL: +81-(0)11-706-3262 EMAIL: ccsup2@academic.hokudai.ac.jp WEBSITE: http://ccsup.academic.hokudai.ac.jp/cc07/cn25/index.html

## Front Office for Human Resource Education and Development

This office, targeting education and development of young postdoctoral researchers and PhD students, presently consists of S-cubic, HoP-Station, Tenure-Track, and the FResHU office.

#### S-cubic

The S-cubic office supports PhD students and post doctoral researchers as they design and develop their own career path. The office holds career seminars inviting company directors as guest lecturers for PhD students and post doctoral researchers to issue advice on bridging the gap between the educational and private sectors whilst also providing direct matchings between companies' R&D divisions with students and researchers. The office is also operating a closed web-system for students and researchers to contact companies' R&D divisions and access information for possible employment.

TEL: +81(0)11-706-3275 FAX: +81(0)11-706-3584 EMAIL: s-cubic@synfoster.hokudai.ac.jp WEBSITE: http://www.sci.hokudai.ac.jp/s-cubic/

## HoP-Station

The Hokkaido University Pioneer Human Resource Development Station (HoP-Station), helps students to find employment in cooperation with partner universities and businesses. The Front Office was newly established to command, promote, and support a range of personnel development efforts at the university, and assists campus-wide development of projects as well as off-campus dissemination of related information.

TEL: +81(0)11-706-2271 EMAIL: hop-station@synfoster.hokudai.ac.jp WEBSITE: http://www.synfoster.hokudai.ac.jp/hop-station/index.html

#### Tenure-Track

The Promotion Office for Tenure-Track plays an important role in the Hokkaido University Tenure-Track System in supporting skilled young researchers to become future leaders by advertising posts both domestically and internationally. The office also aims to standardize the Hokudai Tenure-Track System and the Tenure-Track Promotion Program through-out the divisions and the departments of Hokkaido University.

TEL: +81(0)11-706-9181 EMAIL: lstation@cris.hokudai.ac.jp WEBSITE: http://www.cris.hokudai.ac.jp/tenure-track/

## FResHU

The Support Office for Female Researchers in Hokkaido University (FResHU) has been established within the framework of Hokkaido University's policy of promoting gender equality. Female undergraduate and graduate students, research and teaching staff alike need a learning and working environment in which their talents can develop to their full potential. For this purpose, FResHU seeks to provide the beneficiaries of the program not only with specific guidance and mentoring, but also with sources of inspiration and role models, and by striving to induce changes in the general attitude towards women in academia.

Hokkaido University has committed itself to a 'Triple Twenties Policy': by 2020, 20% of all staff in teaching and research positions should be women. To achieve this goal, the University has devised a "positive action scheme" which incorporates substantial incentives for faculties and departments to select and appoint women. In addition, the University will reach out to young women in high school, guiding and supporting their future study choices, to address the issue of female representation in science at the grass roots level.

TEL: +81(0)11-706-3625 FAX: +81(0)11-706-3692 EMAIL: freshu@synfoster.hokudai.ac.jp WEBSITE: http://freshu.ist.hokudai.ac.jp/

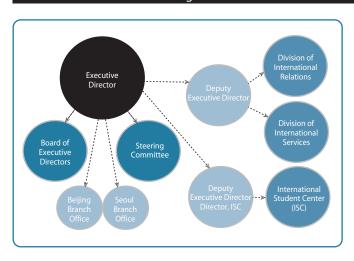


## Office of International Affairs

## About

In 2010, Hokkaido University launched the Office of International Affairs (OIA) in an organizational restructuring effort designed to further promote internationalization in education and research. The Office of International Affairs is now a 'one-stop shop' to get information and guidance on a wide range of issues that were previously separate in location and authority. The OIA's overall goal is to improve the international mobility of faculty members and students, to secure outstanding students and researchers from abroad, and to encourage mobility amongst Japanese students to overseas institutions.

## Office of International Affairs Organizational Structure





## To become a "University Open to the World"

To realize the University's goal of becoming a "university open to the world," it is essential to create a system that develops world-class human resources that enhance the international mobility of faculty and students, and also develops a structure by which faculties will be afforded ample opportunities to use their educational and research talents in international activities. The Office of International Affairs serves as a base for the University's various international activities.

Hokkaido University promotes inter-faculty research exchanges and student interaction with partner institutions, and has concluded 291 exchange agreements to date. We have also taken steps to forge closer cooperative relationships with a number of partner institutions in the form of university-wide joint symposiums.

Hokkaido University is proactive in our efforts to accept students from abroad. Our goal is to increase the international student population so that it consists 10% of the overall student body by 2015. In recent years, the number of students from Asia (particularly China, Korea, and Taiwan) has increased significantly, and we plan to continue in our efforts to accept overseas students from these regions as well as world-wide.

## **Facilities**

Student Support Desk	Student Lounge	Language Labs
Student Counseling	Guest Lounge	Conference Facilities
Student Study	Prayer Space	Outdoor Private Patio
Computer Room	Lecture Rooms	

**Division of International Relations** 

TEL: +81(0)11-706-8023 FAX: +81(0)11-706-8036 EMAIL: info@oia.hokudai.ac.jp

office hours: 8:30-17:00

**Division of International Services** 

TEL: +81(0)11-706-8053 FAX: +81(0)11-706-8067 EMAIL: ryugaku@oia.hokudai.ac.jp

office hours: 8:30-18:00

## **Support Services**



One of the missions of the Office of International Affairs (OIA) is to create a multicultural environment conducive to the personal and professional development for all members of the University community. Consistent with this mission, the OIA strives to provide holistic support to international students, researchers, and faculty. To do this, we work closely with the Academic Affairs Sections of all Faculties and relevant divisions and organizations within and outside the University. The OIA specializes in providing the following services:

## Academic and Language Courses

The International Student Center (ISC) offers Japanese language classes to international students over 9 levels (Introductory 1-4, Intermediate 1-2, and Advanced 1-3) covering six types of units (Grammar, Vocabulary/Kanji, Oral Skills, Reading, Written Expression and Listening Comprehension.) Students are free to choose from these according to their needs and class levels are determined on the basis of a placement test as well as on the amount of previous Japanese study.

## Psychological Support / Counseling Services

Living abroad can be very stressful. The OIA provides counseling services to international students and scholars. To meet the unique needs of international students, counseling sessions deal with wide ranging issues including psychological, interpersonal and cultural adjustment problems, career and academic concerns and any other difficulties that international students may encounter. Psychiatric consultation is also available at the Health Care Center, which can be provided with translation by the OIA counselor. Additionally, the OIA provides an orientation for international students immediately after their arrival to Japan that covers what to expect in their daily life and information to help them adjust to Japanese society.

## **Social Activities**

The OIA organizes various social and cultural events as an opportunity for international and domestic students to interact with each other. In addition, the OIA maintains solid relationships with various organizations including international student organizations and volunteer organizations that offer a variety of social events and cultural exchange opportunities. Students are encouraged to take advantage of these enriching opportunities. For our international graduates, the OIA maintains an alumni network.

#### **Daily Life**

For newly arriving international students, Student Supporters help new students get settled, including opening a bank account, moving into a dormitory, filling in registration forms, and obtaining national health insurance. Also, our staff at the Support Desk answer any questions about day-to-day matters. The OIA publishes handbooks for international students and scholars and regularly imparts useful information concerning academic affairs, events and workshops via e-mail. In addition, the OIA manages several international houses and offers a Guarantor System for international students who choose to rent accommodation privately.

## Crisis Response

Given the March 2011 disaster in the Tohoku region, the OIA recognizes the importance of crisis response and disaster preparedness. The OIA offers disaster prevention sessions including a tour to a local Disaster Prevention Center and information to help international students and researchers learn how to protect themselves and their families in case of disaster.

## Financial Aid

Hokkaido University offers two scholarships for excellent self-supported international students: the President's Fellowship and the Special Grant Program for International Students. Additionally, the OIA assists international students in applying for scholarships offered by various institutions and organizations. The Seki Michiko Support Fund is available for international students who experience severe economic hardship due to unexpected or unfortunate events such as illness. Short-term loans are also available to international students to cover any unexpected emergencies.

## Career Support

For those who plan to obtain employment in Japan after graduating, the ISC offers regular Business Japanese courses. The OIA also maintains a strong working alliance with the Career Center in planning career workshops and providing career-related information for international students.



## International Degree Programs in English

## English Engineering Education Program (e<sup>3</sup>)

e<sup>3</sup> is a master's and doctoral engineering program where students can choose from almost all engineering fields and also have the option to study outside their primary subject group. More information on this unique program, can be found at: www.eng.hokudai.ac.jp/e3

## Graduate Program in Chemistry and Materials Science

This doctoral program, known as the Asian Graduate Schools Program, is conducted by four leading universities across East-Asia. The program includes all major fields in chemistry and materials science and interuniversity exchange is encouraged. For more information, please visit the following link: www.eng.hokudai.ac.jp/ags/

## Special Postgraduate Program in Bio-systems Sustainability

This is an innovative masters and doctoral program that provides a unique combination of study fields such as food, health, and environment to meet urgent needs in research and development for preservation and sustainable utilization of our limited resources. For more information, visit the following link: http://www.agr.hokudai.ac.jp/en/gsoa/graduate-admissions.html

## Special Training Program for Veterinary Research

In this doctoral program, students can conduct research with English speaking professors within the fields of Biomedical Science, Disease Control, Veterinary Clinical Science, Environmental Veterinary Science, and Applied Veterinary Science. For more information, use the following link: www.vetmed.hokudai.ac.jp/PGP/cover\_page.html

## International Graduate Program for Research Pioneers in Life-Sciences

This doctoral program is a life sciences program particularly focusing on new research fields such as biotechnology and nanotechnology. For more information, use the following link: http://altair.sci.hokudai.ac.jp/grad/igp/

## International Graduate Program in the Natural History Sciences

In this master's and doctoral program students can choose from a wide range of modern earth and planetary sciences including, atmospheric and oceanic science, earth science, and biogeoscience. For more information, use the following link: www.sci.hokudai.ac.jp/grp/i-nhs/home/

#### **Inbound Exchange Programs**

## HUSTEP (Hokkaido University Short-Term Exchange Program)

HUSTEP is a 'junior year abroad' type program designed to provide students from affiliated universities with the opportunity to study for one academic year in Japan at Hokkaido University. Participants in this program take a wide variety of courses offered in English in the fields of culture and society, environment, and science and technology. In addition, participants can pursue independent research under the guidance of a faculty member. Students also have a chance to study the Japanese language from entry level to business level. For enquiries, visit: www.isc.hokudai.ac.jp or EMAIL: rkouryu@oia.hokudai.ac.jp

## JLCS Japanese Language and Culture Studies Program

JLCS is a one year program for students who are Japanese majors in their home university and wish to study the language and culture of Japan intensively at Hokkaido University. Participants take a wide variety of courses in the Japanese language such as Japanese linguistics, and culture and society. Independent study is also available.

For enquiries, into both courses, please visit: www.isc.hokudai.ac.jp or EMAIL: rkouryu@oia.hokudai.ac.jp

# UNIVERSITY PROGRAMS

## **Outbound Exchange Programs**

## Student Exchange Program (with partner universities)

Students of Hokkaido University have 291 study abroad choices with our university-wide or inter-departmental partners. (In the case of inter-departmental agreements, the student must be enrolled in the department or faculty which has the agreement to be able to participate in the program.)

Participants only pay fees to Hokkaido University. There is no need to pay fees to the overseas host institution whilst abroad. In addition, credits earned at the host institution are transferable to Hokkaido University.

## Short-term Programs (Summer Programs / Spring Programs)







Just as the name suggests, students can use their summer or spring break to take part in these short-term programs hosted by some of our partner institutions.

In 2011 students went to the following countries and universities:

- 1. U.S.A. (University of Hawaii at Manoa, Portland State University)
- 2. Korea (Chonbuk National University, Pukyong National University, Chungnam National University)
- 3. New Zealand (The University of Auckland)

In this extremely enriching program, students get to learn both language and culture in the country of their choice.

## First Step Program (FSP)

The First Step Program contains three major components:

- Student exchange with partner institutions
- Japanese business development overseas
- International cooperation

This program is designed to give Hokkaido University students a chance to visit Japanese organizations such as embassies, and the Japan International Cooperation Agency (JICA), as well as private companies located in foreign countries.

The 'first step' to any global career is to broaden one's horizons. Participants acquire information on overseas internships and gain the necessary knowledge to compete in the global arena through acquisition of language and workplace skills.

Early in 2012, the first contingent visited Singapore and Laos. In mid 2012, another contingent visited Finland.

## **Outbound Data**

Number of countries / regions / universities students can choose from for student exchange

47 countries / regions / 157 universities

2012/2013 Exchange Program Participant Numbers

54

2011/2012 Summer / Spring Program Participant Numbers

93



## Overseas Offices

The Hokkaido University Beijing, Seoul, Helsinki, and Lusaka Offices were established to provide more information and services regarding the University and its entrance examinations to potential students. Staff at these offices plan various events, negotiate with universities to establish inter-university partnerships, and support former international students in alumni association activities. These offices also serve as the hub for faculty members of Hokkaido University who visit these cities for research activities.



## Beijing Office:

Resource Building Room 806, Zhongguancun Beidajie No.151, Haidian, Beijing 100080 China (in the southeastern corner area of Peking University campus) TEL: +86-10-5887-6455 FAX: +86-10-5887-6456 EMAIL: beijing\_office@hokudai.cn WEBSITE: http://www.hokudai.cn/Office Hours: Weekdays 10:00–17:00 (closed on Saturdays, Sundays, Chinese national holidays)



## Seoul Office:

703, Handuk Building, 649-4, Yeoksam-Dong, Gangnam-Gu, Seoul, Korea 135-912 TEL: +82-2-501-9400 FAX: +82-2-501-9410 EMAIL: seouloffice@hokudai.kr/ WEBSITE: http://www.hokudai.kr Office Hours: Weekdays 09:00–18:00 (closed on Saturdays, Sundays, Japanese national holidays)



#### Helsinki Office:

Fabianinkatu 26, 00100 Helsinki, Finland

TEL: +358-44-757-5135 EMAIL: helsinki\_office@oia.hokudai.ac.jp WEBSITE: http://www.hokudai.fi/ Office Hours: Weekdays 09:00-11:00, 13:00-16.30 (closed on Saturdays, Sundays, and Finnish national holidays)



#### Lusaka Office:

c/o Department of Disease Control, School of Veterinary Medicine,
University of Zambia (Great East Road Campus), P.O. Box 32379, Lusaka 10101, Zambia
TEL: +260-211-292627 EMAIL: lusaka\_office@oia.hokudai.ac.jp
WEBSITE: http://www.hokudai.ac.jp/en/relations/lusaka\_office.html
Office Hours: Weekdays 9:00-13:00, 14:00-16:30 (closed on Saturdays, Sundays, and Zambian national holidays)

## Tokyo Office

The Hokkaido University Tokyo Office serves as the hub for activities concerning the University. It acts as a base for faculty members that are in the city to use as a temporary office or meeting place and serves as a seminar space for students engaged in finding employment. Alumni also use the office to meet, and prospective students can find information regarding the University and its entrance requirements here.

#### Location:

Sapia Tower 10 F, Marunouchi 1-chome 7-12, Chiyoda-ku, Tokyo 100-0005 TEL & FAX: +81-3-3211-2055

EMAIL: tokyo@general.hokudai.ac.jp Office Hours: Weekdays 10:00–18:00

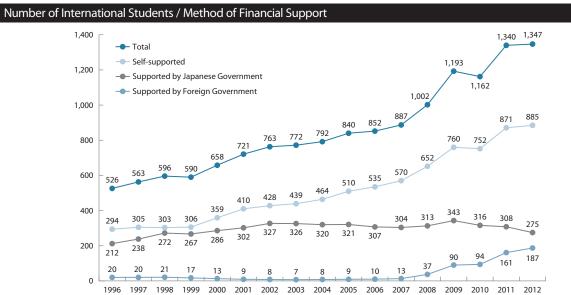
## Alumni House, Osaka

This 50m² multi-purpose facility is used for Alumni groups to gather for meetings and social events. It is also a venue for exhibitions and performances.

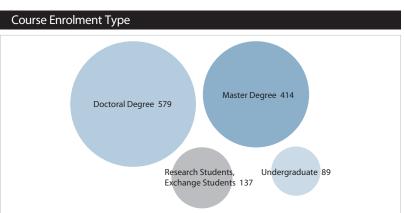
## Location:

Building 2, 1-Chome 2-Bancho Kita-ku, Umeda Osaka 530-0001 TEL & FAX: +81-6-6343-3736 EMAIL: elmkansai@yahoo.co.jp

### **International Student Numbers**







			P/G		Decemb	Japanese	Japanese	Constants		
Faculty/School	U/G	Masters	Professional Course	Doctorate	Research Students	Language & Culture	Language Scholars	Special Audit Students	Total	
Letters	1	76		48	39			34	198	
Law	2	30		30	8			15	85	
Economics and Business Administration	4	38		9	15			13	79	
Medicine	3	5		22	2				32	
Dental Medicine	2			9	1				12	
Veterinary Medicine	1			28	1			1	31	
Information Science and Technology		42		53	3			6	104	
Fisheries Sciences	3	16		25				13	57	
Environmental Science / Environmental Earth Science		20		63	5			1	89	
Science	3	13		38	1			3	58	
Pharmaceutical Sciences and Pharmacy					1				1	
Agriculture	3	32		64	4			7	110	
Life Science / Advanced Life Science		10		46					56	
Education	4	30		13	11			4	62	
International Media, Communication, and Tourism Studies Media and Communication		43		16	6			1	66	
Health Sciences		2			3				Ľ	
Engineering	43	46		87	4			12	192	
Chemical Sciences and Engineering		11		28				2	41	
Public Policy			4					1	5	
Department of General Education	20								20	
Research Institute for Electronic Science					1			1	2	
Catalysis Research Center					1				1	
Slavic Research Center					2			1	3	
Field Science Center for Northern Biosphere					2				2	
Office of International Affairs						27	9		36	
Total	89	414	4	579	110	27	9	115	1,347	

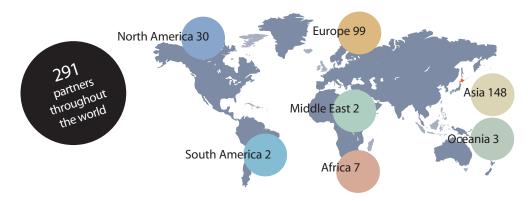
## International Student Numbers

				ration				gy				macy		ce		ion, and				ō.			ience			Bio-		
AREA	COUNTRY	Letters	Law	Economics and Business Administration	Medicine	Dental Medicine	Veterinary Medicine	Information Science and Technology	Fisheries Sciences	Environmental Science / Environmental Earth Science	Science	Pharmaceutical Sciences and Pharmacy	Agriculture	Life Science / Advanced Life Science	Education	International Media, Communication, and Tourism Studies	Media and Communication	Health Sciences	Engineering	Chemical Sciences and Engineering	Public Policy	Department of General Education	Research Institute for Electronic Science	Catalysis Research Center	Slavic Research Center	Field Science Center for Northern Biosphere	Office of International Affairs	TOTAL
	Bangladesh					2		2	2	7	5		1	10					6	1								36
	Brunei									1																		1
	Cambodia																		2									2
	China	135	52	58	15	6	2	69	34	41	23		49	28	55	49		4	80	26	2	10	2	1	1		12	754
	India					_	_		1	3	5			8					1	3					-			21
	Indonesia							2	4	8	8		16	1					13	2								54
		20	1.4				4	7	9	4			_		2	4	1	1				9					1	
	Korea Laos	28	14	5 1		2	4		9	4	6		21	1	3	4	1	1	29	2		9					1	151
					1		1			1			2						17									
<u>.e</u>	Malaysia		_	1	1		1			1			3	_					17									24
Asia	Mongolia	1	1	1	2					3	1		2	1													1	13
	Myanmar							1					3								1						2	7
	Nepal						2			3									1									6
	Pakistan																		3									3
	Philippines	1							1	4	1		1	1					4	2							2	17
	Singapore									1					1												1	3
	Sri Lanka						1			1									4									6
	Taiwan	3	13	2	1	1		1		1	1		3	2		7					1					1	1	39
	Thailand						6		3	3		1	6						7	2		1						29
	Vietnam							1					1															2
<u>.e</u>	Australia							1																				1
Oceania	New Zealand															1												1
ŏ	Solomon Islands																		1									1
	Azerbaijan																							1				1
	Bosnia Herzegovina										1																	1
	Bulgaria			1				1																				2
	Croatia	1																										1
	Czech Republic	1																										1
	England	1	2					1																			1	5
	Estonia	1																										1
	Finland	1						1							1				1									4
	France	2	1	1				3											1		1				1			10
	Georgia	1																										1
e	Germany	1						2																			1	4
Europe	Greece	1																										1
ш		1					1	1																				3
	Hungary	1					'												1									2
	-																											
	Ireland	2		_							_																	2
	Kazakhstan	2		1							1																	4
	Kyrgyzstan			1																								1
	Poland							1								2			1									4
	Romania			1																								1
	Russia	3	1	1	1			1		1	2					1			1								5	17
	Serbia									1																		1
	Spain																		1									1
				<u> </u>			<u> </u>								l				•									

AREA	COUNTRY	Letters	Law	Economics and Business Administration	Medicine	Dental Medicine	Veterinary Medicine	Information Science and Technology	Fisheries Sciences	Environmental Science / Environmental Earth Science	Science	Pharmaceutical Sciences and Pharmacy	Agriculture	Life Science / Advanced Life Science	Education	International Media, Communication, and Tourism Studies	Media and Communication	Health Sciences	Engineering	Chemical Sciences and Engineering	Public Policy	Department of General Education	Research Institute for Electronic Science	Catalysis Research Center	Slavic Research Center	Field Science Center for Northern Bio- sphere	Office of International Affairs	TOTAL
	Sweden			ш	_		_	_	ш.		1	ш.	_	_		= -	_		ш		<u> </u>		ш.		01	ш s		1
Europe	Switzerland	1																										1
温	Ukraine	1														1												2
	Canada	<u> </u>									1		1			_ '												2
N.Am	USA			2			1	1			'		'						2							1	_	17
_		8		2			1	1											2							1	2	
	Bolivia						_												1									1
	Brazil					1	1												1								1	4
	Colombia																		1									1
	Costa Rica							1																				1
ص	Cuba																										1	1
South America	Guatemala																		1									1
h An	Guyana									1																		1
Sout	Jamaica				1																							1
•	Mexico							1																			1	2
	Panama		1																									1
	Peru								1					1														2
	Trinidad and Tobago				1																							1
	Venezuela																		1									1
	Iran			1	1								1	1	1				2									7
	Iraq							1											1									2
st	Israel														1													1
Middle East	Jordan																		2									2
Aidd	Lebanon							1											_									1
_	Syria				1			2																				3
		1																										1
	Turkey Benin	<u>'</u>								1																		1
										- 1																		
	Central African Republic				_		_				_								1									1
	Egypt			_	3		4	1			2								1	1							1	13
	Eritrea			1	3																							4
	Ethiopia						1							1														2
	Ghana									2																	1	3
	Guinea																										1	1
	Kenya						1		1											2								4
Afirca	Libya				1																							1
Af	Madagascar									1																		1
	Malawi				1																							1
	Mauritania Islamic Republic																										1	1
	Nigeria			L	L		1			1			1	1			L				<u>_</u>							4
	Republic of Congo			1																								1
	Senegal																		1									1
	Tanzania								1																			1
	Uganda						1	1											1									3
	Zambia						4						1						1									6
	TOTAL	198	85	79	32	12		104	57	89	58	1	110	56	62	65	1	5	192	41	5	20	2	1	3	2	36	1,347

### **International Exchange Agreements**

### Distribution Map of Counter-part Universities (both University-wide and Department-wide)



### Inter-University Exchange Agreements (111 Agreements, 117 Universities in 35 Countries / Regions)

Hokkaido University has concluded agreements for academic and educational exchange and cooperation with universities abroad as follows:

Area	Country	University	Concluded
	Bangladesh	University of Dhaka	December 24, 2009
		University of Science and Technology Beijing	December 26, 1986
		Zhejiang University	January 20, 2002
		Peking University	February 19, 2003
		Fudan University	August 3, 2004
		Jilin University	September 22, 2004
		Nankai University	May 11, 2006
		Nanjing University	May 11, 2006
		Xi'an Jiaotong University	May 26, 2008
		Tsinghua University	June 30, 2008
		Northeast Normal University	May 8 , 2009
		Sichuan University	October 15, 2009
	China	Wuhan University	November 30, 2009
		Dalian University of Technology	January 20, 2010
		Beijing Normal University	January 20, 2010
		Lanzhou University	April 9, 2010
		Southeast University	October 29, 2010
		Xiamen University	November 25, 2010
		Shanghai Ocean University	December 1, 2010
Asia		Ocean University of China	February 3, 2011
		The Chinese University of Hong Kong	September 9, 2011
		Northwest Agriculture and Forestry University	October 13, 2011
		Shanghai Jiao Tong University	October 19, 2011
	India	University of Delhi	February 26, 2010
		University of Palangka Raya	August 26, 2006
	Indonesia	Bogor Agricultural University	July 29, 2009
		Universitas Gadjah Mada	July 23, 2010
		Seoul National University	October 1, 1997
		Chonbuk National University	February 9, 2000
		Yeungnam University	August 4, 2000
		Pukyong National University	October 25, 2000
		Chungnam National University	July 9, 2001
	W	Kangwon National University	June 13, 2003
	Korea	Chungbuk National University	December 6, 2007
		Hankyong National University	February 16, 2009
		Dong-eui University	April 23, 2009
		Korea Maritime University	June 3, 2010
		Korea University	October 15, 2010
		Yonsei University	December 6, 2010

Area	Country	University	Concluded
		Kongju National University	August 2, 2011
	Korea	University of Incheon	April 16, 2012
	Malaysia	Universiti Sains Malaysia	June 7, 2010
		Mongolian State University of Agriculture	January 26, 2009
	Mongolia	National University of Mongolia	December 22, 2011
	Nepal	Tribhuvan University	October 24, 2010
	Phillipines	De La Salle University	January 11, 2009
	Sri Lanka	University of Peradeniya	November 14, 2006
	311 Latika	·	
a		National Taiwan University	March 3, 2005
		Academia Sinica	September 11, 2008
	Taiwan	National Chung Cheng University	November 4, 2009
		TamKang University	November 29, 2010
		National Chung Hsing University	March 14, 2012
		Asian Institute of Technology	November 4, 2008
	Thailand	Mahidol University	November 26, 2008
	1112112112	Kasetsart University	January 6, 2009
		Chulalongkorn University	July 3, 2009
	Vietnam	Vietnam National University Ho Chi Minh City	February 23, 2010
le East	Saudi Arabia	King Abdulaziz University	July 8, 2010
ania .	Australia	University of Tasmania	January 9, 2009
nia	New Zealand	The University of Auckland	July 25, 2003
	Estonia	University of Tartu	October 28, 2008
		Universtiy of Oulu	December 11, 2001
	Finland	University of Helsinki	March 11, 2011
	- I I I I I I I I I I I I I I I I I I I	University of Lapland	June 8, 2011
		Universite de Strasbourg	October 10, 2010
		For the Consortium of Universities of Grenoble :	October 10, 2010
		Universite Joseph Fourier, Universite Pierre Mendes France	
			October 10, 2000
		Universite Stendhal, Institut National Polytechinque de Grenoble	
	France	Institut d'Etudes Politiques de Grenoble, Universite de Savoie	5 . 1 . 1 . 1 . 1
		Rennes Institute of Political Studies	September 4, 2002
		Fondation Nationale des Sciences Politiques	May 18, 2007
		Ecole Polytechnique	June 29, 2008
		Ecole Superieure de Physique et de Chimie Industrielles de Paris	March 31, 2009
		Universite de la Mediterranee (Aix - Marseille II)	May 18, 2009
		Ludwig-Maximilians-Universitat Munchen	January 31, 1983
	Germany	University of Bremen	February 11, 2010
		Technische Universitat Munchen	July 6, 2010
pe	Hungary	Budapest University of Technology and Economics	November 4, 2004
	Italy	Politecnico di Torino	July 1, 2008
	Kazakhstan	Al-Farabi Kazakh National University	August 1, 2011
		AGH University of Science and Technology	July 6, 2010
	Poland		
	Poland Serbia	The University of Belgrade	-
	Serbia	The University of Belgrade  KTH Royal Institute of Technology	May 10, 2011
		KTH Royal Institute of Technology	May 10, 2011 January 20, 2010
	Serbia	KTH Royal Institute of Technology University of Geneva	May 10, 2011 January 20, 2010 June 7, 2005
	Serbia Sweden	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich)	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007
	Serbia Sweden Switzerland	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000
	Serbia Sweden	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010
	Serbia Sweden Switzerland	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011
	Serbia Sweden Switzerland	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010
	Serbia Sweden Switzerland	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011
	Serbia Sweden Switzerland U.K.	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001
	Serbia Sweden Switzerland	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007
	Serbia Sweden Switzerland U.K.	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007
	Serbia Sweden Switzerland U.K.	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Franch of the Russian Academy of Sciences	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009
	Serbia Sweden Switzerland U.K.	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Branch of the Russian Academy of Sciences Irkutsk State University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009  March 30, 2010
	Serbia Sweden Switzerland U.K.	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Branch of the Russian Academy of Sciences Irkutsk State University North-Eastern Federal University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009  March 30, 2010  April 2, 2012
	Serbia Sweden Switzerland U.K. Russia	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Branch of the Russian Academy of Sciences Irkutsk State University North-Eastern Federal University University of Alberta The University of British Columbia	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009  March 30, 2010  April 2, 2012  August 13, 1997  June 29, 2008
h America	Serbia Sweden Switzerland U.K. Russia	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Branch of the Russian Academy of Sciences Irkutsk State University North-Eastern Federal University University of Alberta The University of British Columbia Dalhousie University	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009  March 30, 2010  April 2, 2012  August 13, 1997  June 29, 2008  July 30, 2009
n America	Serbia Sweden Switzerland U.K. Russia	KTH Royal Institute of Technology University of Geneva Swiss Federal Institute of Technology Zurich (ETH Zurich) The University of Warwick The University of Sheffield The University of Edinburgh Lomonosov Moscow State University Sakhalin State University Far Eastern Federal University Far Eastern Branch of the Russian Academy of Sciences Irkutsk State University North-Eastern Federal University University of Alberta The University of British Columbia	May 10, 2011  January 20, 2010  June 7, 2005  June 13, 2007  January 5, 2000  October 5, 2010  February 23, 2011  October 10, 2001  October 23, 2007  November 12, 2007  July 23, 2009  March 30, 2010  April 2, 2012  August 13, 1997  June 29, 2008

## International Exchange Agreements

Area	Country	University	Concluded
		University of Alaska	December 20, 1986
		University of Wisconsin-Madison	April 21, 1987
		Ohio State University	September 1, 1998
		The University of Texas Health Science Center at Houston	March 10, 2003
NI	II.C.A	University of Oregon	August 17, 2006
North America	U.S.A.	University of California, Davis	August 2, 2007
		University of California, Los Angeles	June 29, 2008
		University of Hawaii at Manoa	June 30, 2003
		University of Hawaii at Hilo	June 30, 2003
		University of Oklahoma	March 25, 2010
South America	Brazil	Universidade de Sao Paulo	April 1, 2009
	Nigeria	University of Nigeria, Ebonyi State University	January 30, 2009
Africa	South Africa	The University of Johannesburg	June 29, 2008
	Zambia	University of Zambia	March 18, 2011

### Memoranda based on Inter-University Agreements (27 Memoranda in 9 Countries)

Country	Counterparts	Exchange Contents	Concluded
	Institute of Mathematics, Fudan University HU Graduate School of Science	Academic Exchange	January 1, 2004
	Peking University Library HU University Library	Shared Use	April 1, 2005
	University of Science and Technology Beijing HU Graduate School of Engineering	Academic Exchange	November 24, 2005
China	Peking University Law School HU Research Institute for Information Law and Policy	Academic Exchange	March 11, 2010
	School of Maths. & Statistics, Northeast Normal University HU Graduate School of Science	Double Degree Program	February 20, 2011
	Institute of Life Sciences, Zhejiang University HU CENSUS Graduate School of Environmental Science	Strass Program, Student Exchange	February 21, 2011
	Dept of Mathematics, Southeast University HU Graduate School of Science	Double Degree Program	March 9, 2011
	College of Commerce and Economics Yuengnam University HU Graduate School of Economics and Business Administrate	Academic Exchange	September 27, 2001
	College of Engineering, Chungbuk National University HU Graduate School of Engineering	Academic Exchange	December 6, 2007
Korea	Center for Space-Time Molecular Dynamics, Seoul National University HU Institute of Low Temperature Science	Academic Exchange	June 30, 2009
Roled	College of Business and Economics Yonsei University HU Graduate School of Economics and Business Administration	Joint Seminar	November 22, 2010
	College of Engineering, Seoul National University HU School of Engineering, Graduate School of Engineering Graduate School of Information Science and Technology	Student Exchange, Internship, Double Degree Program	January 17, 2011 July 31, 2011
	Pusan University Faculty of Fisheries, Institute of Fisheries Science HU Graduate School of Fisheries Sciences	Student Exchange	December 26, 2011
	Asian Insitute of Technology HU Graduate School of Engineering	Double Degree Program	March 17, 2011
Thailand	School of Environment, Resources and Development, Asian Institute of Technology HU Graduate School of Fisheries Sciences	Joint Education	June 29, 2011
	School of Engineering, Chulalongkorn University HU Graduate School of Engineering, Information Science and Technology and Chemical Engineering Schools	Internship	September 5, 2011
Germany	Faculty of Veterinary Medicine , Ludwig-Maximilians Universitat Muchen HU Graduate School of Veterinary Medicine	Academic Exchange, Student Exchange	January 10, 2011
Kazakhstan	Graduate School of Science and Technology, National University of Kazakh Rabbi HU Graduate School of Science	Double Degree Program	February 29, 2012
Poland	AGH University of Science and Technology HU Graduate School of Engineering	Double Degree Program	July 6, 2010
	HU Graduate School of Chemical Sciences and Engineering	Double Degree Program	November 22, 2011
Switzerland	The Material Research Center, Swiss Federal Institute of Technology Zurich (ETH Zurich) HU Graduate School of Engineering	Academic Exchange	March 4, 2008
Canada	Fisheries Center, The University of British Columbia HU Graduate School of Fisheries Sciences	Student Exchange	March 1, 2011
	Sch. Fisheries & Ocean Sciences, University Alaska Fairbanks HU School of Fisheries Sciences	Academic Exchange	September 12, 1986
U.S.A.	School of Education, Portland University HU School of Education	Academic Exchange	December 12, 1989
	The Museum of the North, University of Alaska The Hokkaido University Musuem	Academic Exchange	November 1, 2005

ies/Regions		unterparts	Hokkaido University	Conclude
Bangladesh	Jahangirnagar University	Faculty of Mathematical and Physical Sciences	Faculty of Environmental Earth Science	January 26, 20
	Peking Union Medical College			July 14, 1994
	r chang of monthicuteur conege		School of Medicine	February 26, 19
	Harbin Medical University	School of Stomatology		June 5, 2000
	That shirt medical shirters by	No. 4 Clinical Medicine College	Graduate School of Dental Medicine	September 21, 2
	China Medical University	College of Stomatology	Graduate Serioor of Bernar Medicine	January 29, 20
	Shenyang University of Technology	college of Storilatology	Faculty of Engineering	June 24, 198
	Shanghai Jiao Tong University	School of Engineering	Graduate School of Engineering	November 23, 1
	Northeast Agricultural College	School of Engineering	Graduate School of Engineering	June 2, 1986
			Faculty of Agricultura	
	Shenyang Agricultural University  Northeast Forestry University		Faculty of Agriculture	November 5, 1
		Law School	Craduata School of Law	December 31, 1
	Jilin University	Law School	Graduate School of Law	November 10, 1
	Dalian Fisheries University		Graduate School of Fisheries Sciences, Faculty of Fisheries Sciences and School of Fisheries Sciences	September 15, 2
	Chinese Academy of Social Sciences	Inst. of East Eur,Russian and Cen. Asian Studies	Slavic Research Center	September 13,
	<u> </u>	ical Chemistry of Solid Surfaces Dept. of Chemistry		October 9, 20
	China University of Petroleum	School of Chemical Engineering	-	December 7, 2
	East China Normal University	Department of Chemistry	Catalysis Research Center	March 18, 20
China		Chemical Physics State Key Laboratory of Catalysis		October 10, 20
	· ·	Chemical Physics   State Rey Laboratory of Catalysis	Craduate School of Engineering	
	Hebei Polytechnic University	Li Va Shing Engulty of Modinin	Graduate School of Engineering	March 10, 200
	The University of Hong Kong	Li Ka Shing Faculty of Medicine	Graduate School of Medicine and School of Medicine	January 30, 20
	Harbin Engineering University	Engineering Faculty	Graduate School of Engineering, Graduate School of Chemical Sciences and Engineering	August 18, 20
	East China University of Science and Tech.	School of Law	Graduate School of Law	July 3, 2008
	· ·		Graduate School of International Media,	,
	Institute of Journalism and Communication, Chi	inese Academy of Social Sciences	Communication, and Tourism	February 19, 20
	Zhongnan Univ. of Economics and Law	Law School	Graduate School of Law	March 6, 200
	Nanjing Normal University	School of Law	Graduate School of Law	May 15, 200
	Harbin Institute of Technology		Graduate School of Engineering	August 11, 20
	Huazhong University of Science and Technology	School of Law	Graduate School of Law	October 26, 20
	Heilongjiang Provincial Academy of Social Scien	<u> </u>	Slavic Research Center	June 14, 201
		1		<u> </u>
	Renmin University of China	Law School Intellectual Property Institute	Graduate School of Law, School of Law	October 1, 20
	Xian University of Architecture and Technology	D	Graduate School of Engineering	June 12, 201
	Southeast University	Department of Mathematics	Graduate School of Science	August 15, 20
	Northeastern University		Graduate School of Engineering	March 9, 201
	Forestry Science Institute of Heilongjiang Provin	1	Field Science Center for Northern Biosphere	October 19, 20
India	Bharathidasan University	Department of Animal Science	Graduate School of Veterinary Medicine	August 23, 20
	Institute of Technology Bandung	Faculty of Civil Engineering and Planning	Graduate School of Engineering	August 11, 20
	Islamic University of Indonesia	Faculty of Civil Engineering and Planning	Faculty of Environmental Earth Science	December 11, 2
	University of Palangka Raya		Center for Sustainability Science	November 5, 2
Indonesia	Sriwijaya University	Faculty of Agriculture	Research Faculty of Agr., Faculty of Agr., Graduate School of Agriculture	September 23, 2
	Padjadjaran University	Faculty of Technique of Geology		February 24, 2
	Indonesian Institute of Sciences	Research Center for Biology	The Hokkaido University Museum	February 25, 20
	Indonesian institute of sciences	College of Agriculture	Graduate School of Agriculture	January 24, 20
	Chonnam National University	College of Agriculture		January 24, 20
	Choman Hadonal Chinesisty	College of Fisheries and Ocean Science	Graduate School of Fisheries Sciences, Faculty of Fisheries Sciences and School of Fisheries Sci.	August 27, 20
	Kyungpook National University	College of Veterinary Medicine	Graduate School of Veterinary Medicine and School of Veterinary Medicine	December 19, 2
	Cheju National University	College of Ocean Science	Grad. School of Fisheries Sci., Faculty of	December 17, 2
	Gyeongsang National University	College of Marine Science	Fisheries Sci. and School of Fisheries Sci.	December 15, 2
	Kyung Hee University	College of Life Sciences	Field Science Center for Northern Biosphere	February 25, 2
	,		Graduate School of Fisheries Sciences, Faculty	,
	Kunsan National University	College of Ocean Science and Technology	of Fisheries Sciences and School of Fisheries Sci.	August 29, 20
	Kongju National University	College of Education	Faculty of Education	January 19, 20
	Kangnung National University	College of Life Science	Graduate School of Fisheries Sciences, Faculty	July 1, 2007
Ve	,	-	of Fisheries Sciences and School of Fisheries Ści.	
Korea	Korea University	Graduate School of Education	Information Initiative Center	July 23, 200
	Seoul Women's University	College of Natural Sciences	Research Faculty of Agr., Faculty of Agr. Graduate School of Agriculture	June 11, 201
		College of Humanities		
	University of Seoul	College of Urban Science	Graduate School of Letters, Faculty of Letters	October 29, 20
		Graduate School	1	
	Kyung Hee University	College of Law	Graduate School of Law	March 29, 20
	University of Incheon	College of Engineering	Faculty of Engineering, Graduate School of	May 26, 201
	,	Urban Architecture Department	Engineering	
	Hansung University	College of Arts	Information Initiative Center	July 29, 201
	Hanyang University	The College of Engineering	Faculty of Engineering, Graduate School of Engineering School of Engineering	September 19,
	National Institute of Biological Resources, Inches	on	The Hokkaido University Museum	February 9, 20
Malaysia	University Pertanian Malaysia	Faculty of Fisheries and Marine Science	School of Fisheries Sciences	May 29, 199
	Institute of Geography of Mongolian Academy			February 18, 2
		cy for Meteorological, Hydrological and Environmental Monitoring	Faculty of Environmental Earth Science, and	February 12, 2
Mongolia	and the state of t	Faculty of Biology	Research Faculty of Agriculture	February 18, 20
	National University of Mongolia	. acarty or biology	Graduate School of Science	September 21, 2

# International Exchange Agreements

countrie	s/Regions		Interparts	Hokkaido University	Concluded
	Pakistan	University of Karachi	Faculty of Science	Faculty of Environmental Earth Science	September 29, 2008
	Philippines	University of the Philippines Diliman	College of Engineering	Graduate School of Information Science and Technology	April 28, 2010
	Singapore	National University of Singapore	Faculty of Arts and Social Sciences	Graduate School of Letters	August 8, 2006
		National Taiwan University	College of Social Science	Graduate School of Law, School of Law	January 28, 2000
			College of Law		October 20, 2000
			College of Law	Graduate School of Law, School of	
		National Chengchi University	College of Social Sciences	Law, Graduate School of Public Policy and Faculty of Public Policy	July 28, 2005
		, , , , , , , , , , , , , , , , , , , ,	College of International Affairs		
			Center for Aboriginal Studies	Center for Ainu & Indigenous Studies	October 18, 2007
	T-1	National Taiwan Normal University	Institute of Optoelectronics Science and Technology	Research Institute for Electronic Science	January 28, 2008
	Taiwan	National Taiwan Ocean University	College of Life Sciences	Graduate School of Fisheries Sciences, Faculty of Fisheries Sciences and School of Fisheries Sci.	August 20, 2008
		National University of Kaohsiung	College of Law	Graduate School of Law	March 11, 2008
·i.			Sustainable Environment Research Center	Center for Sustainability Science	September 2, 2010
ia		National Cheng Kung University	Department of Environmental Engineering	Graduate School of Environmental Science	
			College of Science	Faculty of Science	October 4, 2011
		National Chio Tung University	College of Science	Research Institute for Electronic Science	January 24, 2011
		National Taipei University	Department of Public Administration and Policy	Faculty of Public Policy	September 27, 201
		Khon Kaen University	Faculty of Humanities and Social Sciences	Graduate School of Letters	November 30, 2004
		Southeast Asian Fisheries Development Center		Graduate School of Fisheries Sciences, Faculty of Fisheries Sciences and School of Fisheries Sci.	February 18, 2006
		Thammasat University	Sirindhorn International Institute of Technology	Graduate School of Engineering	May 15, 2007
		Chulalongkorn University	Faculty of Engineering		July 1, 2007
	Thette	National Telecommunications Commission	1 9 5 5 11 11 11	Graduate School of Information Science and	July 1, 2007
	Thailand	King Mongkut's Institute of Technology Ladkrabang	Faculty of Engineering	Technology	December 1, 2007
		Rajamangala University of Technology Thanyaburi	Faculty of Science and Technology	Graduate School of Engineering	July 17, 2008
				Research Faculty of Agriculture, Graduate	,
		Agricultural Research Development Agency		School of Agriculture	March 24, 2009
		Walailak University	School of Agricultural Technology	Graduate School of Fisheries Sciences, Faculty of Fisheries Sciences and School of Fisheries Sciences	December 12, 2009
eania	Australia	The University of Queensland	Faculty of Health Sciences	Graduate School of Fisheries Sciences and Faculty of Fisheries Sciences	July 1, 2005
	Croatia	University of Zagreb	Faculty of Humanities and Social Sciences	Graduate School of Letters	February 18, 2009
		Charles University in Prague	First Faculty of Medicine	Graduate School of Medicine	September 8, 2008
	Czech	The University of South Bohemia	Faculty of Fisheries and Protection of Waters	Graduate School of Fisheries Sciences, Faculty	June 29, 2010
		,	,	of Fisheries Sciences and School of Fisheries	
	Denmark	The Royal Danish Academy of Fine Arts	School of Architecture	Graduate School of Engineering	March 31, 2010
		University of Copenhagen	Niels Bohr Institute	Institute of Low Temperature Science	January 25, 2012
	Finland	Tampere University of Applied Sciences		Graduate School of Engineering, Graduate School of Chemical Engineering	January 12, 2011
		University of Poitiers	Faculty of Law	School of Law	October 15, 1993
		National Institute of Oriental Languages and Civilizations	Center of Russians and Eurasians Studies	Slavic Research Center	September 25, 198
		Ecole Pratique des Hautes Etudes		Graduate School of Letters	June 30, 2005
		Ecole Normale Supérieure de Lyon		Research Institute for Electronic Science	March 26, 2010
	France	The Musee Zoologique De La Ville De Strasbovrg		The Hokkaido University Museum	November 20, 2009
		Ecole Nationale Superieure De Mecanique Et D'a	· · · · · · · · · · · · · · · · · · ·	Graduate School of Engineering	January 18, 2011
		Unité de Catalyse et de Chimie du Solide, Univer		Catalysis Research Center	January 17, 2011
		College of Advanced Industrial Technology - Bid Avancées	art Ecole Supévieure des Technologies Industrielles	Graduate School of Engineering, Information Science and Technology	October 11, 2011
		National Center for Meteorological Research, Tou	llouse Centre National de Recherches Météorologiques	Institute of Low Temperature Science	March 26, 2012
				Catalysis Research Center	
		Fritz-Haber-Institute of the Max-Planck-Society		editary sis riesearen eenter	
		Fritz-Haber-Institute of the Max-Planck-Society Alfred Wegener Institute for Polar and Marine Re	esearch	,	
	Germany	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology		Institute of Low Temperature Science	December 26, 2005 March 3, 2009 March 4, 2009
	Germany	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur	Museen	Institute of Low Temperature Science The Hokkaido University Museum	December 26, 2005  March 3, 2009  March 4, 2009  November 18, 2009
rope	Germany	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg		Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science	December 26, 2009  March 3, 2009  March 4, 2009  November 18, 2009  September 13, 2019
rope	Germany	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur	Museen Faculty of Natural Science	Institute of Low Temperature Science The Hokkaido University Museum	December 26, 2005  March 3, 2009  March 4, 2009  November 18, 2009
rope	Germany	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg	Museen	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science	December 26, 200 March 3, 2009 March 4, 2009 November 18, 200 September 13, 201
rope	Hungary	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science	December 26, 2009  March 3, 2009  March 4, 2009  November 18, 2009  September 13, 2019  January 19, 2012
rope		Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture	December 26, 200: March 3, 2009 March 4, 2009 November 18, 200 September 13, 201 January 19, 2012 February 5, 2003 January 17, 1994
rope	Hungary	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center	December 26, 200:  March 3, 2009  March 4, 2009  November 18, 200: September 13, 201: January 19, 2012  February 5, 2003  January 17, 1994
rope	Hungary Netherlands	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science	December 26, 200:  March 3, 2009  March 4, 2009  November 18, 200:  September 13, 201:  January 19, 2012  February 5, 2003  January 17, 1994  December 13, 2016
ope	Hungary Netherlands	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies	December 26, 2003  March 3, 2009  March 4, 2009  November 18, 2009  September 13, 2011  January 19, 2012  February 5, 2003  January 17, 1994  December 13, 2010  August 5, 2010
ope	Hungary  Netherlands  Norway	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics	December 26, 2003 March 4, 2009 March 4, 2009 November 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 August 5, 2010 March 14, 1989 March 19, 1992
ope	Hungary Netherlands	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies Faculty of Textile Engineering	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science	December 26, 2003 March 4, 2009 March 4, 2009 November 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 August 5, 2010 March 14, 1989 March 19, 1992
rope	Hungary  Netherlands  Norway	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science	December 26, 2009 March 4, 2009 Movember 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 August 5, 2010 March 14, 1989 March 19, 1992 September 26, 2000 March 15, 2010 March 17, 2010
rope	Hungary  Netherlands  Norway  Poland	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center Catalysis Research Center	December 26, 2009 March 4, 2009 March 4, 2009 November 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 2000 March 17, 2010 March 17, 2010 March 18, 2010
rope	Hungary  Netherlands  Norway	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology	Museen Faculty of Natural Science Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center  Catalysis Research Center  Graduate School of Engineering	December 26, 200: March 4, 2009 March 4, 2009 November 18, 200 September 13, 201 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 200 March 15, 2010 March 17, 2010
rope	Hungary  Netherlands  Norway  Poland  Spain	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering School of Architecture	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center Catalysis Research Center	December 26, 2009 March 4, 2009 March 4, 2009 November 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 2000 March 17, 2010 March 17, 2010 March 18, 2010
rope	Hungary  Netherlands  Norway  Poland	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology The Polytechnic University of Valencia	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering  School of Architecture School of Civil Engineering	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center  Catalysis Research Center  Graduate School of Engineering Graduate School of Engineering	December 26, 200: March 4, 2009 March 4, 2009 November 18, 200: September 13, 201: January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 200 March 15, 2010 March 17, 2010 March 18, 2010 January 9, 2006
rope	Hungary  Netherlands  Norway  Poland  Spain	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology The Polytechnic University of Valencia Göteborg University Linköping University Stockholm University	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering  School of Architecture School of Civil Engineering School of Business, Economics and Law Institute of Technology Faculty of Science	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture  Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center  Catalysis Research Center  Graduate School of Engineering Graduate School of Economics and Business Administration Graduate School of Engineering Institute of Low Temperature Science	December 26, 200: March 4, 2009 March 4, 2009 November 18, 200: September 13, 201: January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 200 March 15, 2010 March 17, 2010 March 18, 2010 January 9, 2006 October 28, 1996 August 24, 2000
rope	Hungary Netherlands Norway Poland Spain Sweden	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology The Polytechnic University of Valencia Göteborg University Linköping University Stockholm University The University of Oxford, St. Antony's College	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering  School of Architecture School of Civil Engineering School of Business, Economics and Law Institute of Technology Faculty of Science Russian and Eurasian Studies Center	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center  Catalysis Research Center  Graduate School of Engineering Graduate School of Economics and Business Administration Graduate School of Engineering Institute of Low Temperature Science Slavic Research Center	December 26, 2009 March 4, 2009 March 4, 2009 November 18, 2009 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 2000 March 15, 2010 March 17, 2010 March 18, 2010 January 9, 2006 October 28, 1996 August 24, 2000 September 20, 2010 March 12, 2004
rope	Hungary  Netherlands  Norway  Poland  Spain	Alfred Wegener Institute for Polar and Marine Re Max-Planck Institute for Marine Microbiology The Senckenberg Forschung Institute und Natur Otto-Von-Guericke-Universitat, Magdeburg Max Planck Institute for Terrestrial Microbiology Szent István University Leiden University Vrije Universiteit Amsterdam University of Tromso Warsaw School of Economics Technical University of Lodz Polish Academy of Sciences West Pomeranian University of Technology Gdansk University of Technology The Polytechnic University of Valencia Göteborg University Linköping University Stockholm University	Museen Faculty of Natural Science  Faculty of Agricultural Economics and Social Sciences Faculty of Agricultural and Environmental Management Institute of East European Law and Russian Studies Faculty of Earth and Life Sciences Center for Sami Studies  Faculty of Textile Engineering Institute of Mathematics Institute of Catalysis and Surface Chemistry Institute of Chemical and Environmental Engineering  School of Architecture School of Civil Engineering School of Business, Economics and Law Institute of Technology Faculty of Science	Institute of Low Temperature Science The Hokkaido University Museum Research Institute for Electronic Science Institute of Low Temperature Science Graduate School of Agriculture  Slavic Research Center Faculty of Environmental Earth Science Center for Ainu & Indigenous Studies School of Economics School of Science Graduate School of Science Catalysis Research Center  Catalysis Research Center  Graduate School of Engineering Graduate School of Economics and Business Administration Graduate School of Engineering Institute of Low Temperature Science	December 26, 2005 March 3, 2009 March 4, 2009 November 18, 2005 September 13, 2010 January 19, 2012 February 5, 2003 January 17, 1994 December 13, 2010 March 14, 1989 March 19, 1992 September 26, 2003 March 15, 2010 March 17, 2010 March 18, 2010 January 9, 2006 October 28, 1996 August 24, 2000 September 20, 2016

Countrie	s/Regions	Cou	unterparts	Hokkaido University	Concluded
		The University of Manchester	Faculty of Humanities	Graduate School of Letters	December 9, 2009
	U.K.	Cardiff University	Cardiff Catalysis Institute	Catalysis Research Center	January 26, 2010
	Kazakhstan	Kazakh National Pedagogical University	Institute of Magistracy & PhD Education	Graduate School of Science	November 19, 2009
		Moscow State Pedagogical University	. 3	School of Education	August 3, 1995
			Institute of Economics and Industrial Engineering	School of Economics and BusinessAdministration	July 30, 1990
		Russian Academy of Sciences - Siberian Branch	United Institute of Geology, Geophysics and Mineralogy	businessAuministration	March 10, 1992
		Novosibirsk State University	officed institute of deology, deophysics and mineralogy	School of Science	June 18, 1993
		Russian Academy of Sciences - Ural Div.	Institute of Metal Physics	Graduate School of Science	September 29, 2000
		Kazan State Power Engineering University	Institute of Metal 1 Hysics  Institute of Economics and Soc. Tech.	diaddate school of science	January 28, 2005
		razari State i ower Engineering Oniversity	Institute of Oriental Studies	Slavic Research Center	October 17, 2005
		Russian Academy of Sciences	Institute of Slavic Studies	Slavic Research Center	June 6, 2006
		Sakhalin State Regional Museum	Institute of Stavic Studies	The Hokkaido University Museum	August 1, 2000
			VM Sukashay lastituta of Forestay	· · · · · · · · · · · · · · · · · · ·	March 12, 2005
		Russian Academy of Sciences - Siberian Branch	V.N. Sukachev Institute of Forestry	Field Science Center for Northern Biosphere	March 12, 2005
Europe		,	e, Siberian Branch of Russian Academy of Sciences	Faculty of Environmental Earth Science and Research Faculty of Agriculture	December 2, 2008
	Russia	Far Eastern Geological Institute, Far Eastern Bran	nch of Russian Academy of Sciences		November 27, 2008
		Yakutsk State University		Faculty of Environmental Earth Science	December 3, 2008
		Institute of the Indigenous Peoples of the North	, Siberian Branch of Russian Academy Sciences		February 1, 2010
		Melnikov Permafrost Institute, Siberian Branch o	f Russian Academy of Sciences		February 1, 2010
		State Museum of Khabarovsk			April 1, 2010
		Nikolaevsk na Amure Municipal Museum			April 1, 2010
		Arsenyev State Museum of Primorsky Region		The Hokkaido University Museum	April 1, 2010
		North-Eastern Interdisciplinary Research Center,	Far Eastern Branch of Russian Academy of Sciences		August 1, 2010
		Kamchatka State Technical University			August 20, 2010
		Tyumen State Oil and Gas University		5 1 65 1 15 15 1	
		Tyumen Science Center, Russian Academy of Sci	iences	Faculty of Environmental Earth Science	November 22, 2010
		Russian Academy of Sciences Institute of Russian Studies		Slavic Research Center	April 14, 2011
		Iruktsk State Technical University		The Hokkaido University Museum	June 1, 2011
	Ukraine	Bogolyubov Institute for Theoretical Physics		Faculty of Science	March 30, 2002
		McMaster University	Michael G. DeGroote School of Business	Graduate School of Economics and Business Administration	October 15, 2001
	Canada	University of Ottawa	Faculty of Medicine	Graduate School of Medicine	November 29, 2004
		Simon Fraser University		Graduate School of Science	May 10, 2008
		University of Wisconsin	Law School	School of Law	June 1, 1999
		Oregon Health and Sciences University	Dental School	School of Dental Medicine	January 1, 1974
		University of Washington	College of Ocean and Fishery Sciences	School of Bertai Medicine	June 24, 1988
		Offiversity of Washington	Center of Marine Biotechnology,		Julie 24, 1900
North		University of Maryland	Maryland Biotechnology Institute	School of Fisheries Sciences	December 23, 1989
America		University of Illinois at Chicago	The Graduate College	Graduate School of Environmental Earth Science	July 14, 1993
	U.S.A	Harvard University	Davis Center for Russian and Eurasian Studies	Slavic Research Center	November 4, 1992
		University of Delaware	Center for Catalytic Science and Technology	Catalysis Research Center	July 9, 2007
		Univerisity of California, Los Angeles	California NanoSystems Institute	Research Institute for Electronic Science	June 10, 2008
		Iowa State University	Institute for Physical Research and Technology	Catalysis Research Center	March 10, 2009
		University of Massachusetts Medical School	Graduate School of Biomedical Sciences	Faculty of Advanced Life Science, Graduate School of Life Science	May 10, 2011
		Rice University	George R. Brown School of Engineering	Graduate School of Engineering, Faculty of Engineering, Information Science and Technology, Chemical Engineering	October 19, 2011
South America	Brazil	The Federal University of Viçosa		Graduate School of Agriculture	May 10, 2001
Middle East	Turkey	Izmir University		Faculty of Medicine, School of Medicine	October 24, 2011
	Burkina			Graduate School of Engineering	January 26, 2010
		International Institute for Water and Environmen	ional Institute for Water and Environmental Engineering		March 15, 2010
	Faso			Center for Sustainability Science	
Africa	Egypt	Zagazig University	Faculty of Veterinary Medicine	Graduate School of Veterinary Medicine	March 6, 2012

International Consortia			
Name	Number of Members / Countries	Туре	Participated
Consortium Japonais du College Doctoral Franco Japonais	Bilaterally 85 Institutions 33 from Japan, 52 from France	Student Exchange	September 13, 2002
International Antarctic Institute	17 Institutions from 12 Countries	Academic, Student Exchange	July 8, 2006
Canada-Japan Strategic Student Exchange Program	Bilaterally 29 Institutions 15 from Japan, 14 from Canada	Student Exchange	December 8, 2006
ProsPER.Net	21 Institutions from 11 Countries / Regions	Academic, Student Exchange	June 21, 2008
France - Japan - Vietnam Network in Singularity Theory	11 Institutions from 3 Countries	Academic, Student Exchange	January 1, 2011
University of the Arctic	138 Institutions from 11 Countries	Academic, Student Exchange	June 8, 2011



### Research Coordination & Industry-University Collaborations

#### Center for Innovation and Business Promotion

In accordance with University policies regarding university-industry-government collaboration and handling of intellectual property, this Center collaborates with a number of industries and other organizations engaged in joint projects. It aims at not only utilizing the research results obtained at the University for the development of industries, but also relating new knowledge obtained from society to enhance research programs at the University. The Center engages in synergy-oriented research programs with other academic institutions in Hokkaido as well as other versatile regional ventures / projects all designed to promote the creation of regional innovation. The Center comprises (i) the Technology Licensing Office (TLO), (ii) the Office of Intellectual Property, and (iii) the International Strategy Unit.

### Technology Licensing Office (TLO)

The Technology Licensing Office (TLO) is HU's general liaison hub for government-industry-academia collaboration and matters concerning intellectual property, and also serves as a one-stop contact point for local industry support. Under the umbrella of the TLO, the Technology Transfer Office promotes mutual collaboration and cooperation with other universities and institutions in Hokkaido and advances joint efforts with universities, TLOs and other organizations outside the prefecture They also administer technology transfer programs and handle Tangible Research Property (TRP). The duties of the Collaboration Promotion Unit include encouraging the formation of partnerships with government-industry-academia collaboration organizations, supporting local industry and University-launched venture companies, and developing commercialization projects. The Comprehensive Collaboration Unit plans and promotes a wide range of joint initiatives.

### Office of Intellectual Property

In its role as a section overseeing centralized control of intellectual property across the university, the Office of Intellectual Property is staffed with experts who examine, maintain, and manage such property on campus. It also works to develop human resources and implements related programs.

### International Strategy Unit

The International Strategy Unit was established with funding from the Ministry of Education, Culture, Sports, Science and Technology (MEXT) under the Program for Promoting Self-Sustaining Management of Industry-Academia-Government Collaboration in Universities (FY 2008 - FY 2012). It promotes international industry-academia collaboration activities, specifically supporting technology transfer to overseas businesses and publicity/awareness-raising activities, and works to develop a legal framework to deal with international intellectual property and contracts.

### Creative Research Institution (CRIS)

The Creative Research Institution (CRIS) is a University-wide organization dedicated to promotion and support for priority research programs based on HU's strategic research policy. It also strives to create new academic disciplines and advance cutting-edge science and technology based on the development of exceptional human resources who will contribute to the promotion of these aims.

### Research Department

The Research Department is dedicated to creating new priority research themes based on HU's strategic research policy, fostering young researchers, and extending support to basic research programs for industry-academia collaboration.

### Equipment Management Center

The Equipment Management Center maintains, manages, and operates laboratory equipment and facilities for shared use by HU faculty members, students, and others. It also promotes the use of University laboratory equipment and facilities among faculty members, students, and others as well as non-HU researchers and engineers in science and technology. The Center is also responsible for matters concerning sample analysis.

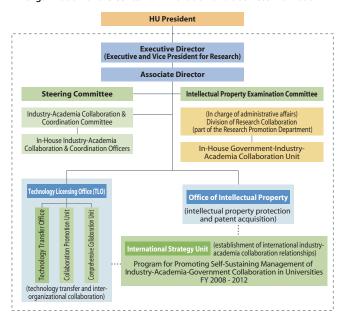
### Research Support Office

This campus-wide unit provides support for a range of activities, including research collaboration for the creation of new priority research themes based on HU's strategic research policy, project proposals toward the acquisition of new research funds, and coordination with funding agencies and other collaborating organizations.

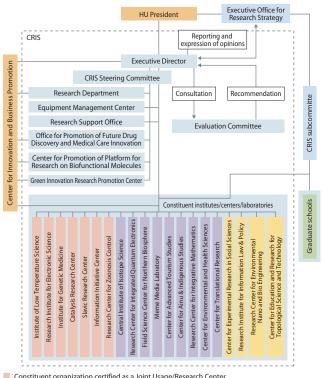
### Office for the Promotion of Future Drug Discovery and Medical Care Innovation

This Office supports and promotes activities involving researchers, private businesses, and relevant government ministries and agencies to advance the 'Matching Program for Innovations in Future Drug Discovery and Medical Care' at Hokkaido University.

#### Organization of the Center for Innovation and Business Promotion



#### Organization of the Creative Research Institution (CRIS)



- Constituent organization certified as a Joint Usage/Research Center
   Constituent organization with no specified period of operation
   Constituent organization with a specified period of operation
- \*The Research Center for Integrative Mathematics is managed in accordance with constituent organizations with a specified period of operation.

#### Center for Promotion of Platform for Research on Biofunctional Molecules

This Center promotes project-type joint research programs based on government-industry-academia collaboration. It also manages and operates North Campus Integrated Research Building No. 6 - a Platform for Research on Biofunctional Molecules (PRBM) as a hub for drug discovery and functional food development.

### Green Innovation Research Promotion Center

This Center promotes research programs to support innovation in the field of environmental energy. It also supports R&D initiatives to advance environmental energy technologies based on government-industry-academia collaboration.

## Research Partnerships

University-launched Venture Companies (since 1979) Comprehensive Partnerships	
Partners	Concluded
Hitachi, Ltd.	April 1, 2003
Fuji Electric Holdings Co., Ltd.	July 1, 2004
Development Bank of Japan	July 22, 2004
National Institute for Materials Science, Japan	December 7, 2004
National Institute of Advanced Industrial Science and Technology, Japan	February 10, 2005
Dentsu Hokkaido Inc.	February 23, 2005
Japan International Cooperation Agency (JICA)	April 12, 2005
North Pacific Bank	June 24, 2005
Teijin, Ltd.	January 26, 2006
Japan Science and Technology Agency (JST)	October 16, 2008
Japan Aerospace Exploration Agency (JAXA)	October 31, 2008
Nippon Telegraph and Telephone (NTT) Cooperation and NTT East	December 9, 2008
Northern Advancement Center for Science and Technology	June 2, 2009
Hakodate, Tomakomai, Kushiro, and Asahikawa National Colleges of Technology	December 15, 2009
High Energy Accelerator Research Organization	July 1, 2010
Hokkaido Research Organization	March 29, 2011

### Regional Cooperation Agreements

Dispatching Teaching Staff and Experts

**Expert Dispatch** 

Survey Team Dispatch

Partners	Concluded
Hokkaido Government, City of Sapporo, Hokkaido Economic Federation and Hokkaido Bureau of Economy, Trade and Industry	July 30, 2004

Alliance Agreements Concerning Technology Transfer of Intellectual Property Held by Universities and Other Academic Institutions within the Hokkaido Region

Partners	Concluded	
Kitami Institute of Technology	June 4, 2009	
Rakuno Gakuen University	June 4, 2009	
Muroran Institute of Technology	October 5, 2009	
Future University Hakodate	February 1, 2012	

Training Courses and Programs Supported by JICA			Fiscal 2011
Course Name	Period		Participants
Program Training			
Management of Urban Water System (Southeast Europe)	1 mc	nth	6
Zoonosis Control Measures	1 mc	nth	11
Coastal Fishing Techniques for Sustainable Resource Use (B)	Oct. 11, 2011 -	- Dec. 3, 2011	6
Human Resource Development in the Field of Maternal and Child Health in French-Speaking Africa (B)	Oct. 13, 2011 –	Nov. 19, 2011	12
Long Term Training			
ASEAN University Network / Southeast Asia Engineering Education Develop	ment Network	1-2 years	5
Research and Training Facility concerning supporting the establishment of Road Facilities		1-2 years	1
Cooperation in Science and Technology		1-2 years	4
Human Resource Development Project for Seismic Engineering and Construction of Buildings, People's Republic of China  1-2 years		1-2 years	1
Long-term Training for Improvement of Tertiary Education		1-2 years	4
Regional Training ASEAN University Network / Southeast Asia Engineering Education Development Network 1-6 mg		1-6 months	6
Individual Training by Japanese Loan Program China Human Resources Development - Individual Training 1-6 months		1	

2

23

up to 1 year

up to 1 month



## **Research Activities**

Global COE Progra	ıms
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Funded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan

Year	Field	Program	Leader	
2008 ~ 2012	Medical Sciences	International Collaboration Centers for Zoonosis Control	Graduate School of Veterinary Medicine KIDA Hiroshi	
	Social Sciences	New Global Law and Policy for Multi-agential Governance	Graduate School of Law TAMURA Yoshiyuki	
	Interdisciplinary, Combined Fields, New Disciplines	Establishment of Center for Integrated Field Environmental Science	Graduate School of Environmental Science YAMANAKA Yasuhiro	
2009 ~ 2013	Interdisciplinary, Combined Fields, New Disciplines	Reshaping Japan's Border Studies	Slavic Research Center IWASHITA Akihiro	

### Funding Program for World-Leading Innovative R&D on Science and Technology

Funded by the Japan Society for the Promotion of Science

· · · · · · · · · · · · · · · · · · ·			
	Year	Program	Leader
	2009 ~ 2013	Sustainable Development of Molecular - Tracking Radiotherapy System	Graduate School of Medicine SHIRATO Hiroki

### Joint Usage / Research Center

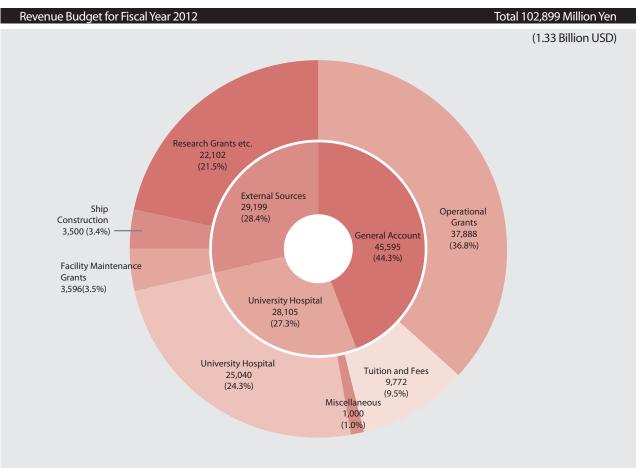
Recognized by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan

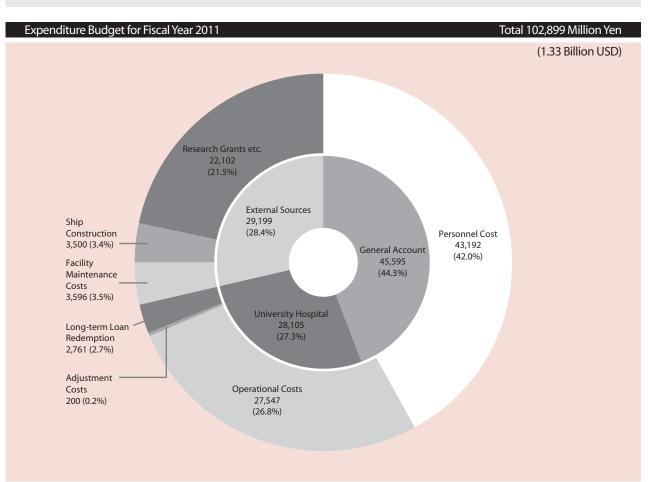
Year	Research Institute	Field	Joint Usage / Research Center	
	Institute of Low Temperature Science	Low Temperature Science	Joint Usage / Research Center for Low Temperature Science	
	Institute for Genetic Medicine	Basic Medical Sciences	Joint Usage/research Center for Infection-associated Cancers Caused by Sustained Infection with Bacteria and Virus	
2010	Catalysis Research Center Catalysis, Sustainable Catalytic Engineering		Joint Usage / Research Center for Catalysis	
~	Slavic Research Center	Area Studies	Center for Slavic Eurasian Area Studies	
2015	Research Center for Zoonosis Control	Zoonosis	Research Center for Zoonosis Control	
	Research Institute for Electronic Science	Materials and Devices Science	Network Joint Research Center for Materials and Devices	
	Information Initiative Center	Computational Science, Computer Science	Joint Usage / Research Center for Interdisciplinary Large-Scale Information Infrastructures	

Grants-in-Aid, Joint Research, etc.	Fiscal 2011	
Sources	Number of Projects	Amounts (Thousand Yen)
Grant-in-Aid for Scientific Research	1,412	5,517,472
Grant-in-Aid for Scientific Research by the Ministry of the Environment	481	1,047,581
Grant-in-Aid for Scientific Research by the Ministry of Health, Labour and Welfare	20	435,624
Joint Research	514	1,188,843
Commissioned Research	460	4,448,472
Other Grants-in-Aid (Competitive Funds)	50	4,192,150
Research Grants	_	907,542
Endowments for Research	6,007	2,490,367



## University Revenue and Expenditure







### Sustainability Initiatives / Health and Safety

Hokkaido University continues to reaffirm its position as an innovative leader in sustainability as we strive to achieve our goal of providing an exceptional learning and research environment that advances global sustainability. We remain committed to fulfilling the Sapporo Sustainability Declaration that recognizes the responsibilities of universities in achieving global sustainability. Currently, we are committed to fulfilling four initiatives over the coming years.

### 1. Establishing a truly sustainable campus

We aim to combine the results of our cutting edge research with innovative ideas from our students to create a miniature society that is sustainable in every aspect. Via research, we intend to translate the best practices into action on campus.

### 2. Hosting the 'Sustainability Weeks' event

Hokkaido University's Sustainability Weeks event, to be held for the 7th time in 2013, is an annual program of public seminars and international symposia intended to promote further research and education toward the achievement of a truly sustainable society. This event held in October, covers themes such as climate change, disaster prevention, biodiversity, gender, renewable energy, quality of life, sustainable production and consumption, and sanitation and health.

### 3. Fostering emerging talent to lead a Sustainable Future

Hokkaido University places special emphasis on fostering global perspectives in our students to advance sustainable practice well into the future. To this end, we initiate the HUIGS program (Hokkaido University Interdepartment Graduate Study in Sustainability) to foster sustainability awareness amongst our student body. The Center for Sustainability Science also initiates the promotion of joint classes connecting Hokkaido University with partner institutions via the internet.

### 4. Leading Sustainability Networks and Consortiums

Collaboration is essential when we tackle problems that defy solutions by single states or regions acting alone. Hokkaido University will continue to exercise leadership to build networks such as ProSPER.net with other organizations within Japan and overseas.

### The Office for a Sustainable Campus

The Office for a Sustainable Campus is working hard to achieve zero emissions on campus through the use of natural and renewable energy, and help Hokkaido University play a leading role in achieving a sustainable society.

### Divisions and Responsibilities within the Office

- (i) Division of Campus Assessment: Devising a basic plan and an action plan; conducting a sustainability assessment of the campus; and developing participatory programs
- (ii) Division for Reduction of Environmental Impacts: Devising an action plan; implementing measures to conserve energy; and applying soft assets to environmental management of the campus
- (iii) Environmental Preservation Center: Reducing waste generated on the campus

### Hokkaido University Measures to Reduce Environmental Impacts

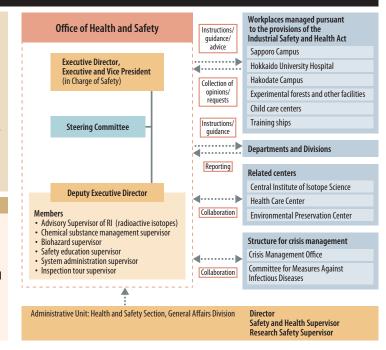
- Conserving Energy
- Promoting 3R practices on campus
- Ensuring environmental laws and regulations are observed
- Broadly communicating sustainability initiatives inside and outside the University
- Managing our forests
- Developing new reduction measures

### Office of Health and Safety

HU establishes structures for safety and health management in each workplace (e.g., Sapporo Campus, Hokkaido University Hospital and Hakodate Campus) based on the provisions of the Industrial Safety and Health Act. As the university is a conglomeration of colleges, related safety and health issues encompass a wide range of considerations, including matters arising from diverse research activities, and affect staff as well as students, patients, visitors and others. The Office of Health and Safety, established on March 1st 2011, moniters these issues and plans, devises and supervises safety and health measures from a campus-wide perspective.

### **Duties and functions**

- Identification of safety and health initiatives and challenges
- Planning and design of safety/health measures and similar
- Supervision of matters concerning safety/health and provision of related guidance
- Monitoring of chemical substance management (duties and functions of the Environmental Preservation Center transferred)

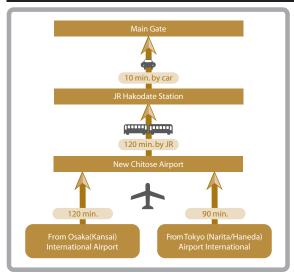


### Campus Information Hakodate

Picturesque Hakodate is home to Hokkaido University's Faculty of Fisheries Science and is located on the southwest of the island. With a population of approxiately 300,000 people, the coastal city is at the base of Mount Hakodate, which boasts amazing natural beauty. The view from the summit is renowned for having one of the most beautiful views in Japan, particulary at night.

Since it opened in 1935, the Hakodate Campus has had a proud history of being at the forefront of fisheries

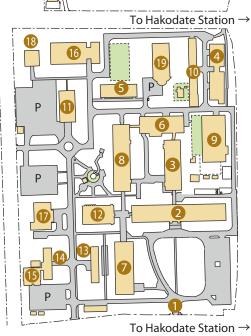
### Access to Hakodate Campus





### Hakodate Campus Map





### Key

- Main Gate
- Main Building
- Annex Building
- 4 Marine Bioresources Research Building
- Marine Frontier Research Building
- 6 Marine Science Creative Research Building
- Lecture-room Building
- 8 Student Laboratories
- Controlled Environment Rooms
- Towing Tank
- Auditorium
- (Nakabe Hall)
- Fisheries Museum (main building)
- (B) Fisheries Museum (annex)
- **16** Gymnasium
- Student Center
- Student Activities Building
- Swimming Pool
- Athletic Field



## Campus Information Sapporo



### Hokkaido University Off-Campus Facilities

- 1 Sapporo Campus
- 2 Hakodate Campus Graduate School of Fisheries Sciences / Faculty of Fisheries Sciences / School of Fisheries Sciences /
- Botanic Garden
- 4 Muroran Marine Station
- 5 Shizunai Livestock Farm
- **6** Nanae Fresh-Water Station
- Usujiri Fisheries Station
- 8 Hiyama Experimental Forest
- Nakagawa Experimental Forest
- 10 Teshio Experimental Forest 11 Tomakomai Experimental Forest
- 12 Uryu Experimental Forest

- 1 Nibutani House
- (B) Shari House
- 16 Toya Lake Station
- Akkeshi Marine Station
- 1 Aikappu Museum of Natural History

(B) Wakayama Experimental Forest

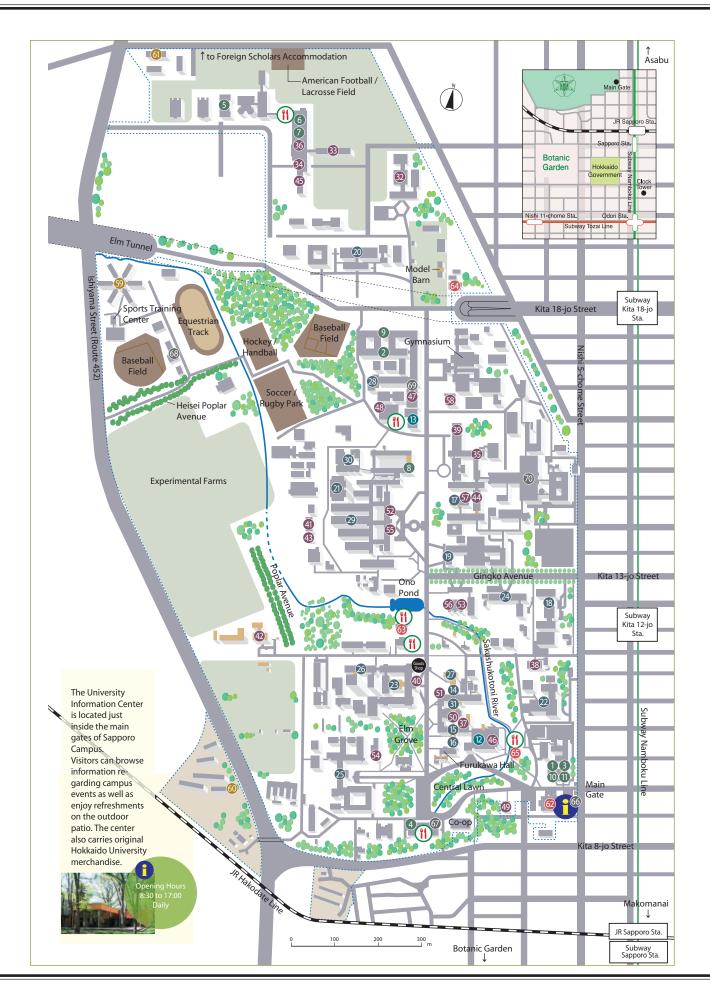
- (18) Oshoro Marine Station
- (1) Yoichi Orchard
- **10** Otaki Seminar House
- 21 Usu Volcano Observatory
- Tokyo Office
- Center for Innovation and Business Promotion (Tokyo Branch)
- Osaka Alumni House

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Hokkaido

Hokkaido University Size					
Campus Lands (ha) Buildings (m²)					
Sapporo Campus	177.6	732,003			
Hakodate Campus	10.5	38,943			
Forests and Other Areas	65,817.8	68,734			
Total	66,005.9	839,680			

## Sapporo Campus Map





### Contact Us

#### Administrative and Planning

### TEL +81-(0)11-716-2111

ADMINISTRATION BUREAU General Affairs and Planning Department, Finance Department, Research Promotion Department, Facilities Department Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808

- Academic Affairs Department Student Support Division, Entrance Exam Division (Admission Center) Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- Front Office for Human Resource Education and Development Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808
- Career Center Kita 8, Nishi 8, Kita-ku, Sapporo 060-0808
- 3 Center for Innovation and Business Promotion Kita 21, Nishi 11, Kita-ku, Sapporo 001-0021
- Division of Fund-Raising Strategy, Research Promotion Department Kita 21. Nishi 10. Kita-ku. Sanoro 001-0021
- Creative Research Institution (CRIS)
  Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021
- Office of International Affairs / International Student Center Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815
- Institute for the Advancement of Higher Education Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- Office of Health and Safety Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808

Office of Internal Auditors Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808

Office for a Sustainable Campus Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808

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### Libraries

TEL +81-(0)11-716-2111

- Central Library
  Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808
- North Library
  Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817

### Schools and Affiliated Centers

### TEL +81-(0)11-716-2111

- Graduate School / Faculty of Letters Kita 10, Nishi 7, Kita-ku, Sapporo 060-0810
- Graduate School / School of Law Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809

Advanced Institute for Law and Politics, Graduate School of Law Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809

- Graduate School / School of Economics and Business Administration Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809
- Graduate School / School of Medicine, Faculty of Medicine Kita 15, Nishi 7, Kita-ku, Sapporo 060-8638

Institute for Animal Experimentation, Graduate School of Medicine Kita 15, Nishi 7, Kita-ku, Sapporo 060-8638

- Graduate School of Health Sciences / Faculty of Health Sciences / School of Medicine (Department of Health Sciences) Kita 12, Nishi 5, Kita-ku, Sapporo 060-0812
- Graduate School / School of Dental Medicine Kita 13, Nishi 7, Kita-ku, Sapporo 060-8586
- Graduate School / School of Veterinary Medicine Kita 18, Nishi 9, Kita-ku, Sapporo 060-0818

Veterinary Teaching Hospital, Graduate School of Veterinary Medicine Kita 18, Nishi 9, Kita-ku, Sapporo 060-0818

- Graduate School of Information Science and Technology Kita 14, Nishi 9, Kita-ku, Sapporo 060-0814
- Graduate School of Environmental Science / Faculty of Environmental Earth Science Kita 10, Nishi 5, Kita-ku, Sapporo 060-0810
- Graduate School / Faculty / School of Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

Institute of Seismology and Volcanology, Faculty of Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810 Center for Genome Dynamics, Faculty of Science

Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

Nuclear Reaction Data Centre, Faculty of Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

Faculty of Pharmaceutical Sciences / School of Pharmaceutical Sciences and Pharmacy

Kita 12, Nishi 6, Kita-ku, Sapporo 060-0812

Experimental Station for Medicinal Plant Studies, School of Pharmaceutical Sciences and Pharmacy

Kita 12, Nishi 6, Kita-ku, Sapporo 060-0812

- Graduate School / Research Faculty / School of Agriculture Kita 9, Nishi 9, Kita-ku, Sapporo 060-8589
- Graduate School of Life Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

Faculty of Advanced Life Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

Frontier Research Center for Post-Genome Science and Technology, Faculty of Advanced Life Science

Kita 21, Nishi 11, Kita-ku, Sapporo 001-0021

Graduate School / Faculty / School of Education Kita 11, Nishi 7, Kita-ku, Sapporo 060-0811

Research and Clinical Center for Child Development, Faculty of Education Kita 11. Nishi 7. Kita-ku. Sapporo 060-0811

- Graduate School of International Media, Communication, and Tourism Studies / Research Faculty of Media and Communication Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- Graduate School / Faculty / School of Engineering Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628

Center for Advanced Research of Energy and Materials, Faculty of Engineering Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628

- Graduate School of Chemical Sciences and Engineering Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628
- Graduate School / Faculty of Public Policy Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809

Center for Public Policy Studies, Faculty of Public Policy Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809

Graduate School / Faculty / School of Fisheries Sciences, Hakodate Campus
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Research Institutes and Centers, etc.

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Pan-Okhotsk Research Center, Institute of Low Temperature Science Kita 19, Nishi 8, Kita-ku, Sapporo 060-0819

- Research Institute for Electronic Science Kita 20, Nishi 10, Kita-ku, Sapporo 001–0020
- Green Nanotechnology Research Center, Research Institute for Electronic Science Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021
- Institute for Genetic Medicine
  Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815

**Laboratory of Animal Experiments, Institute for Genetic Medicine** Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815

Research Center for Infection-Associated Cancer, Institute for Genetic Medicine Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815

- Catalysis Research Center
  Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021
- Slavic Research Center Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809
- Information Initiative Center
  Kita 11, Nishi 5, Kita-ku, Sapporo 060-0811
- Central Institute of Isotope Science Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815
- Hokkaido University Museum Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810

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<b>1</b>	Field Science Center for Northern Biosphere Kita 11, Nishi 10, Kita-ku, Sapporo 060-0811			Otaki Seminar House Yutoku-cho 32, Otaki-ku, Date 052-0317		TEL +81-(0)142-68-6155
	Sapporo Experimental Forest, Southern Forestry Research a Office, Forest Research Station* Kita 9, Nishi 9, Kita-ku, Sapporo 060-0809	and Development	Off	-Campus Research Stations and Facilities Usu Volcano Observatory, Institute of Se	eismology and Vo	lcanology, Faculty of
	Experiment Farm, Agro-Ecosystem Research Station* Kita 11, Nishi 10, Kita-ku, Sapporo 060-0811			Science Tatsuka 142, Sobetsu-cho, Usu-gun 052-0106		TEL +81-(0)142-66-4011
	Botanic Garden, Agro-Ecosystem Research Station*	TFL + 01 /0\11 221 0066		Northern Forestry Research and Develop Aza Tokuda 250, Nayoro 096-0071	oment Office, For	est Research Station* TEL +81-(0)1654-2-4264
43	7 7 11	TEL +81-(0)11-221-0066		Teshio Experimental Forest, Northern Forest Research Station* Aza Toikanbetsu 131, Horonobe-cho, Teshio-q	·	and Development Office, TEL +81-(0)1632-6-5211
4	Research and Education Center for Brain Science Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815			Nakagawa Experimental Forest, Northe Office, Forest Research Station*	rn Forestry Resea	rch and Development
49	Research Center for Zoonosis Control Kita 20, Nishi 10, Kita-ku, Sapporo 001–0020			Aza Otoineppu 483, Otoineppu-mura, Nakagav Uryu Experimental Forest, Northern For	,	
46	Hokkaido University Archives			Forest Research Station* Aza Moshiri, Horokanai-cho, Uryu-gun 074-07	Ť	TEL +81-(0)165-38-2125
4	Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808  Center for Advanced Tourism Studies  Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817			Tomakomai Experimental Forest, South Office, Forest Research Station* Aza Takaoka, Tomakomai 053-0035	ern Forestry Rese	·
48	Center for Language Learning Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817			Hiyama Experimental Forest, Southern Office, Forest Research Station*	Forestry Research	TEL +81-(0)144-33-2171 and Development
49	Center for Ainu & Indigenous Studies Kita 8, Nishi 6, Kita-ku, Sapporo 060-0808			Odome 172-1, Kaminokuni-cho, Hiyama-gun Wakayama Experimental Forest, Southe		TEL +81-(0)139-55-2048
50	, , , , , , , , , , , , , , , , , , , ,			Office, Forest Research Station* Hirai 559, Kozagawa-cho, Higashimuro-gun, V	•	,
9	Research Institute for Information Law & Policy Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809			Yoichi Orchard, Experiment Farm, Agro- Yamada-cho, Yoichi-cho, Yoichi-gun 046-001		
9	Research Center for Environmental Nano and Bio Engineeri Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628	ng		Shizunai Livestock Farm, Agro-Ecosyste Shizunai Misono 111, Shinhidaka-cho, Hidaka-	m Research Statio	
<b>③</b>	Research Center for Integrative Mathematics Kita 12, Nishi 7, Kita-ku, Sapporo 060-0812			Akkeshi Marine Station, Aquatic Researd Aikappu 1, Akkeshi-cho, Akkeshi-qun 088-111	ch Station*	TEL +81-(0)153-52-2056
54	Center for Sustainability Science Kita 9, Nishi 8, Kita-ku, Sapporo 060-0809			Muroran Marine Station, Aquatic Resear Funami-cho 1-chome 133-31, Muroran 051-0	rch Station*	TEL +81-(0)143-22-2846
<b>③</b>	Center of Education and Research for Topological Science a Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628	nd Technology		<b>Toya Lake Station, Aquatic Research Sta</b> Tsukiura 122, Toyako-cho, Abuta-qun 049-572	tion*	TEL +81-(0)142-75-2651
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'Tomoni' Child Care Center

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