

Tohoku University's Strategy for Human Resources

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ABSTRACT

Tohoku University enacted Principles of Strategy for International Exchange on 8 March 2005 and we have established GOC (Global Operations Centre) on the first day of June 2005 supported by the Ministry of Education, Culture, Sports, Science and Technology.

The Centre will be an administrative headquarters for all matters related to international exchanges, and will serve to devise and put into action a united set of strategies in all faculties.

The Center is aimed to create an environment for academic staff to make Tohoku University as an internationally competitive university with highly acclaimed world-class research and education and to ensure the university is well-equipped to maintain a position of excellence in the global academic community.

Last year, Tohoku University introduced a Double Degree Programs with French Grandes Ecoles and Joint Educational Program with Tsinghua University in China to promote exchange of well-selected students with Prominent Educational Institutions overseas.

Tohoku University
Strategy of Human Resources

at Aoyama University
 11 February 2007

Hideaki Hirayama
 Director of International Exchange Division
 Tohoku University






TOHOKU UNIVERSITY Sendai, Japan

Location of the City of Sendai

- In the North-East of Japan
- Distance from Tokyo 350km
- Travel time from Tokyo (by bullet train) 1h35m


Population of the City
 1,025,647


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TOHOKU UNIVERSITY Sendai, Japan

Sendai is surrounded by natural beauty:




Matsushima, a picturesque seacoast,




2

TOHOKU UNIVERSITY Sendai, Japan

Sendai is a capital city in the Northern part of Japan



The site of Aoba Castle, where Tohoku University is located.



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Founded in 1907 as the 3rd Imperial University



Founder of the modern Chinese literature, Lu Xun ("Rajin"), entered Tohoku U. in 1904.



Dr. Albert Einstein visited Tohoku University on Dec. 3, 1922.



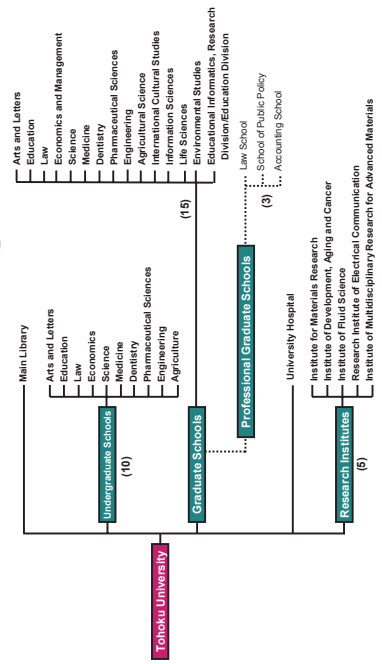
Chika Kinoda, the first woman, Tohoku U. admitted a female student for the first time among all the national universities in Japan in 1913.



Dr. Niels Bohr and Mrs. Bohr visited Tohoku University on May 2, 1937.



Research and Education Organization



Location of the Campuses in Sendai City



TOHOKU UNIVERSITY Sendai, Japan

Number of Board Members and Staff
As of November, 2006

President	1
Executive Directors	7
Auditor	2
Faculty Members	2,699
Administrative and technical staff	2,436
Total	5,145

TOHOKU UNIVERSITY Sendai, Japan

Number of Students
As of May, 2006

Undergraduate	10,815
Master	4,175
Doctor	2,870
Total	17,860

TOHOKU UNIVERSITY Sendai, Japan

Major research projects of Tohoku University

The 21st Century COE Program(13)

Future Medical Engineering based on Bio-nanotechnology	International Center of Research & Education for Unexplored Chemistry
International Center of Research & Education for Materials	System Construction of Global-Network Oriented Information Electronics
System Construction of Global-Network Oriented Information Electronics	Center for Innovative Therapeutic Development for Common Diseases
Exploring New Science by Bridging Particle-Matter Hierarchy	Advanced Science and Technology Center for the Dynamic Earth
Advanced Science and Technology Center for the Dynamic Earth	International COE of Flow Dynamics
Center for the Study of Social Stratification and Inequality	Gender Law and Policy Center
Comprehensive Research and Education Center for Planning of Drug Development and Clinical Evaluation	

TOHOKU UNIVERSITY Sendai, Japan

Mr. Koichi TANAKA, Nobel Laureate

Koichi Tanaka – Prize Award Photo



Photo: Hans Mahlin, Nobel e-Museum

- 1959 • Born in Toyama, Japan
- 1983 • Graduated from Department of Electrical Engineering, School of Engineering, Tohoku University
- Researcher in Shimadzu Corporation
- 2002 • The Nobel Prize in Chemistry 2002
- “The development of methods for identification and structure analyses of biological macromolecules”
- Honorary Doctor of Tohoku University



Citations

National Ranking	International Ranking	Field	Citations	Papers
1	2	Materials Science	25,185	4,554
2	14	Physics	89,139	9,762
5	21	Chemistry	53,301	5,919
4	72	all fields	302,547	36,583

Resource: ISI Essential Science IndicatorsSM, Jan. 1995 – Apr. 2005



Principles of Strategy for International Exchange

Promote the worlds highest standards of research through active participation in an international academic network

Invite and gather the highly motivated, capable and talented individuals from all over the globe and cultivate international leaders who can contribute to the advancement of world development.

Communicate our accomplishments in education and research internationally and contribute them to the international community

Strengthen the foundations of research and education and increase the university's international recognition to support realization of the three above goals



Global Operations Centre (GOC)

Establishment

Global Operations Centre (GOC) was established on June 1st, 2005 as the base for international strategy of Tohoku University, financially supported under the "Strategic Fund for Establishing International Headquarters in the Universities" Program of the Ministry of Education, Culture, Sports, Science and Technology.

Function

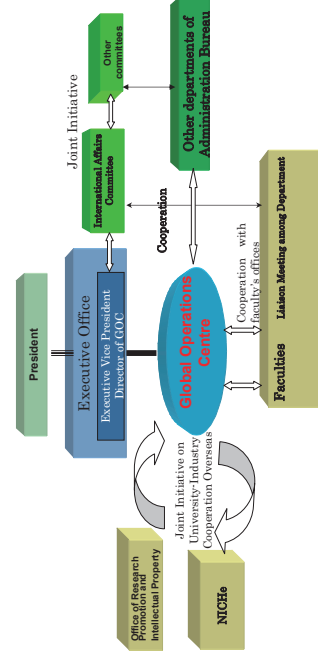
This Centre will be the administrative headquarters for all matters related to international exchanges and will serve to devise and activate a united set of strategies in all its facilities.

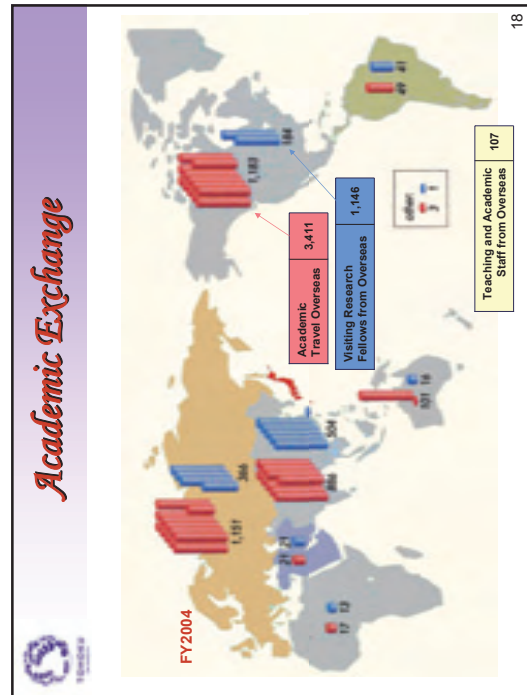
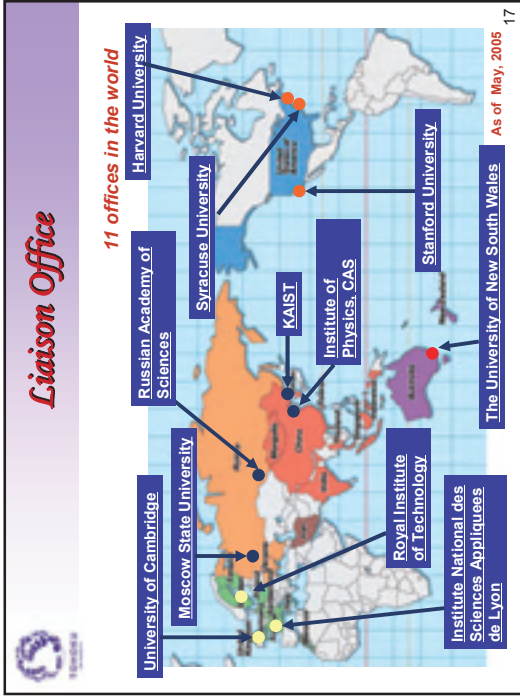
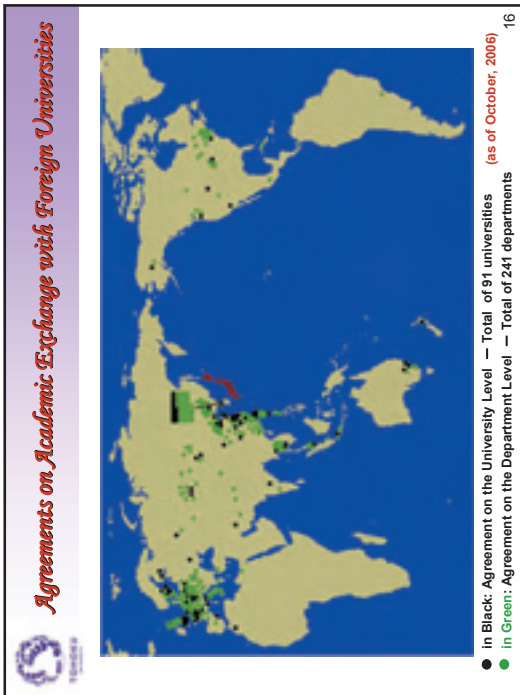
Purpose

The Centre is aimed to create an environment for academic staff in establishing Tohoku University as an internationally competitive university highly acclaimed with world-class research and education and to ensure that the university is well-equipped to maintain a position of excellence in the global academic community.



Global Operations Centre (GOC) structure



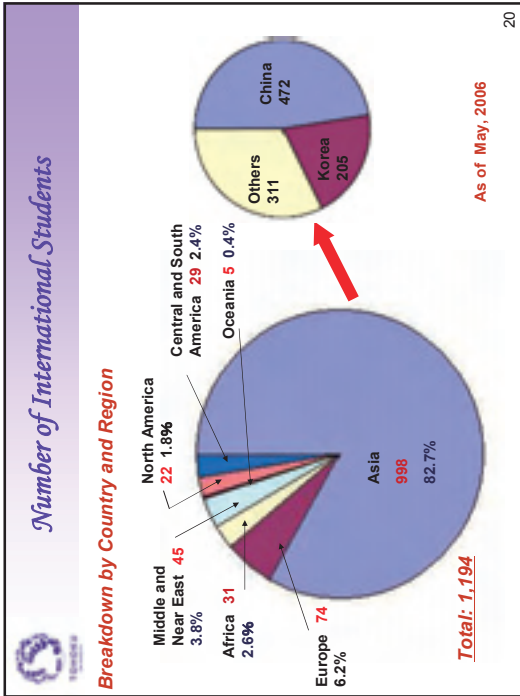


TOHOKU UNIVERSITY Sendai, Japan

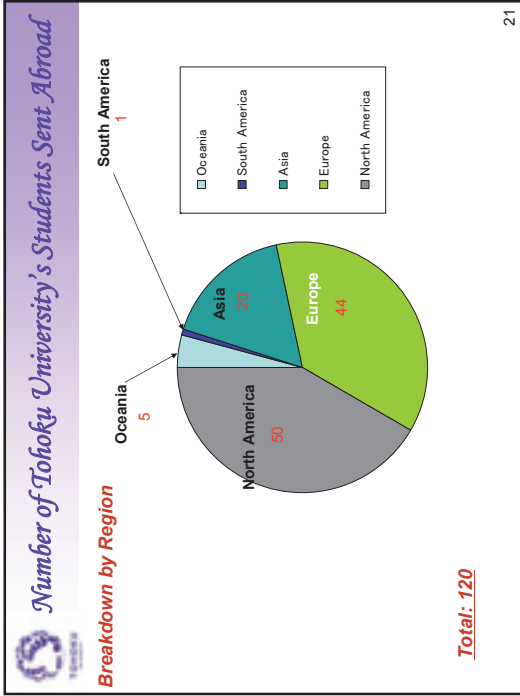
Number of International Students

As of May, 2006

Undergraduate School	126
Graduate school	778
Others	290
Total	1,194



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**How to foster students
Interact with
global academic community actively**

- Participation in Conventional Exchange Program**
 - Collège doctoral franco-japonais (with French government) Programme 8
 - Short-term (within 1 year) exchange with partner universities
- New Joint Educational Initiatives with Prominent Higher Educational Institutions overseas**
 - Double Degree Programs with French Grandes Écoles
 - Joint Education Program with Tsinghua University
- Providing of Scholarships and the practical language training courses** (some significant issues still remain to be resolved)

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**Exchange of well-selected students with
Prominent Educational Institutions overseas**

- Double Degree Programs with French Grandes Écoles**

These programs allow French and Japanese Students to obtain a Master Degree of Engineering or Science from Tohoku University and Diplôme d'Ingénieur from French grandes écoles simultaneously.
- Joint Educational Program with Tsinghua University(China)**

This program allow Chinese Students to obtain a Master degree of Engineering or Science from Tohoku University within a period of a year, and a half by transferring acquired credits from Tsinghua University, and vice versa for Japanese Students.

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Broader-Based Global Exchange

Grandes Écoles and other universities in EU

Double Degree programs with French Grandes École (Écoles Centrale Group, INSA-Lyon)

Key Universities

Joint Educational Program with Tsinghua University

Tohoku Univ.

to be expanded to other major universities in EU

to be expanded to other key universities in China

Hopefully together with other major Japanese universities forming a consortium for a broader participation of Japanese universities

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Joint Education Agreement with Tsinghua University

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Agreement for Educational and Academic Cooperation with Écoles Centrale Group

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TOHOKU UNIVERSITY Sendai, Japan

The 100th Anniversary of Tohoku University in 2007

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Target Goal

Tohoku University is aiming to become a “World’s Leading University” amongst the top 30 in the world.



Akihisa Inoue
President and Academician
Tohoku University