



文部科学省

MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Recent Science and Technology Policy in JAPAN and S&T Related Activities of MEXT

March 5, 2014

Sotaro ITO

Senior Deputy Director-General
Science and Technology Policy Bureau
Ministry of Education, Culture, Sports,
Science and Technology (MEXT)

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Topics

- **Recent Science and Technology Policy in JAPAN**
- **International Collaboration Activities with ASEAN**

Japan Revitalization Strategy -JAPAN is BACK-

Overview (ABEnomics)



The first “arrow”
bold monetary policy



The second “arrow”
flexible fiscal policy



The third “arrow”
“Japan Revitalization Strategy”

Major Achievements

- GDP: **2.1%** increase
- Nikkei Stock Average: **56.7%** increase
- The ratio of job offers to job seekers: 0.83→**1.03**

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Comprehensive Strategy on Science, Technology and Innovation

Key Points

- **Mission-oriented** STI policies to realize an **ideal economic society by 2030**
- Create “**the world’s most innovation-friendly country**”
- Acting “**Smart**”, Implementing “**System**” thinking, and “**Globalization**”

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Comprehensive STI Strategy

Challenges to be addressed by STI

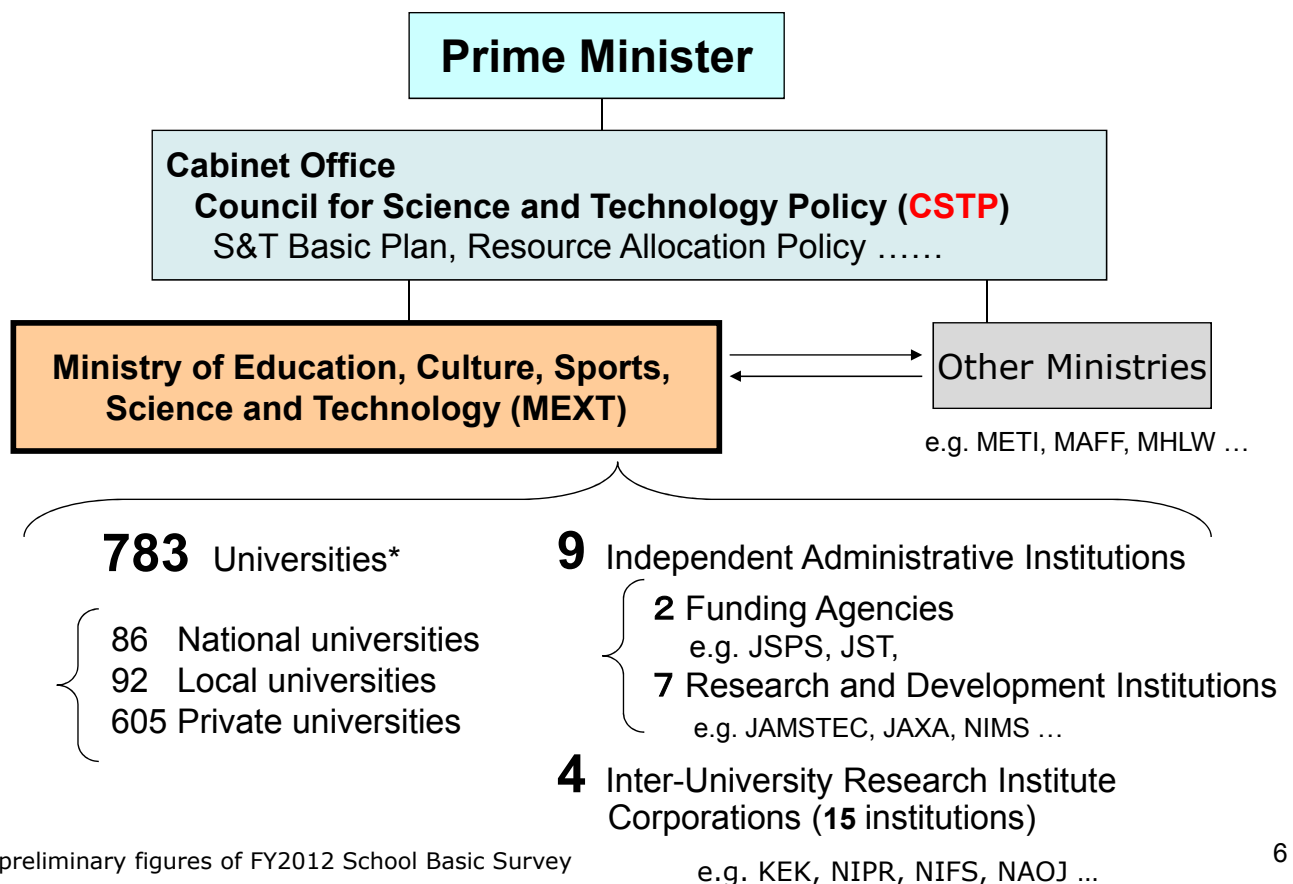
➤ Five grand policy challenges to tackle toward realizing the shape of the nation to be attained in 2030:

1. Realization of **clean and economical energy system**
2. Realization of **a healthy and active ageing society** as a top-runner in the world
3. Development of **next generation infrastructures** as a top-runner in the world
4. **Regional revitalization** taking advantage of the regional resources
5. Early **recovery and revitalization** from the Great East Japan Earthquake

For more information: <http://www8.cao.go.jp/cstp/english/index.html>

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MEXT in the Administrative Structures to Promote S&T in Japan



* preliminary figures of FY2012 School Basic Survey

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Independent Administrative Institutions



- **RIKEN** - The Institute of Physical and Chemical Research



- **NIMS** - National Institute for Materials Science



- **NIRS** - National Institute of Radiological Science



- **JAMSTEC** - Japan Agency for Marine-Earth Science and Technology



- **JAEA** - Japan Atomic Energy Agency



- **JAXA** - Japan Aerospace Exploration Agency



- **NIED** - National Research Institute for Earth Science and Disaster Prevention



- **JST** - Japan Science and Technology Agency



- **JSPS** - Japan Society for the Promotion of Science

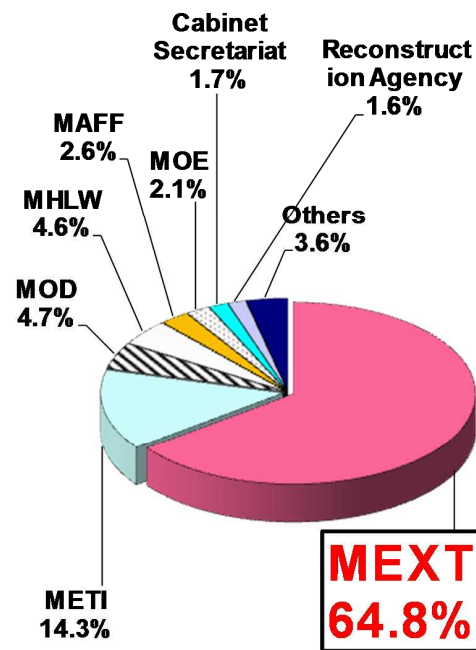


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Japan's S&T Related Budget FY2013

Ministry	FY2013 S&T-related Budget	
	100 million JPY	1 billion USD
MEXT	23,171	23.17
METI	5,097	5.10
MOD	1,669	1.67
MHLW	1,636	1.64
MAFF	931	0.93
MOE	768	0.77
Cabinet Secretariat	608	0.61
Reconstruction Agency	570	0.57
Others	1,302	1.30
Total	35,752	35.75



MEXT: Ministry of Education, Culture, Sports, Science and Technology

METI: Ministry of Economy, Trade and Industry

MOD: Ministry of Defense

MHLW: Ministry of Health, Labor and Welfare

MAFF: Ministry of Agriculture, Forestry and Fisheries

MOE: Ministry of the Environment

International Activities of MEXT

Enhancing international brain circulation

Support for individual researcher

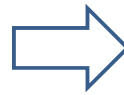
- Fellowship
- Exchange programs

Institutional support



Fostering international joint collaboration

Joint research programs

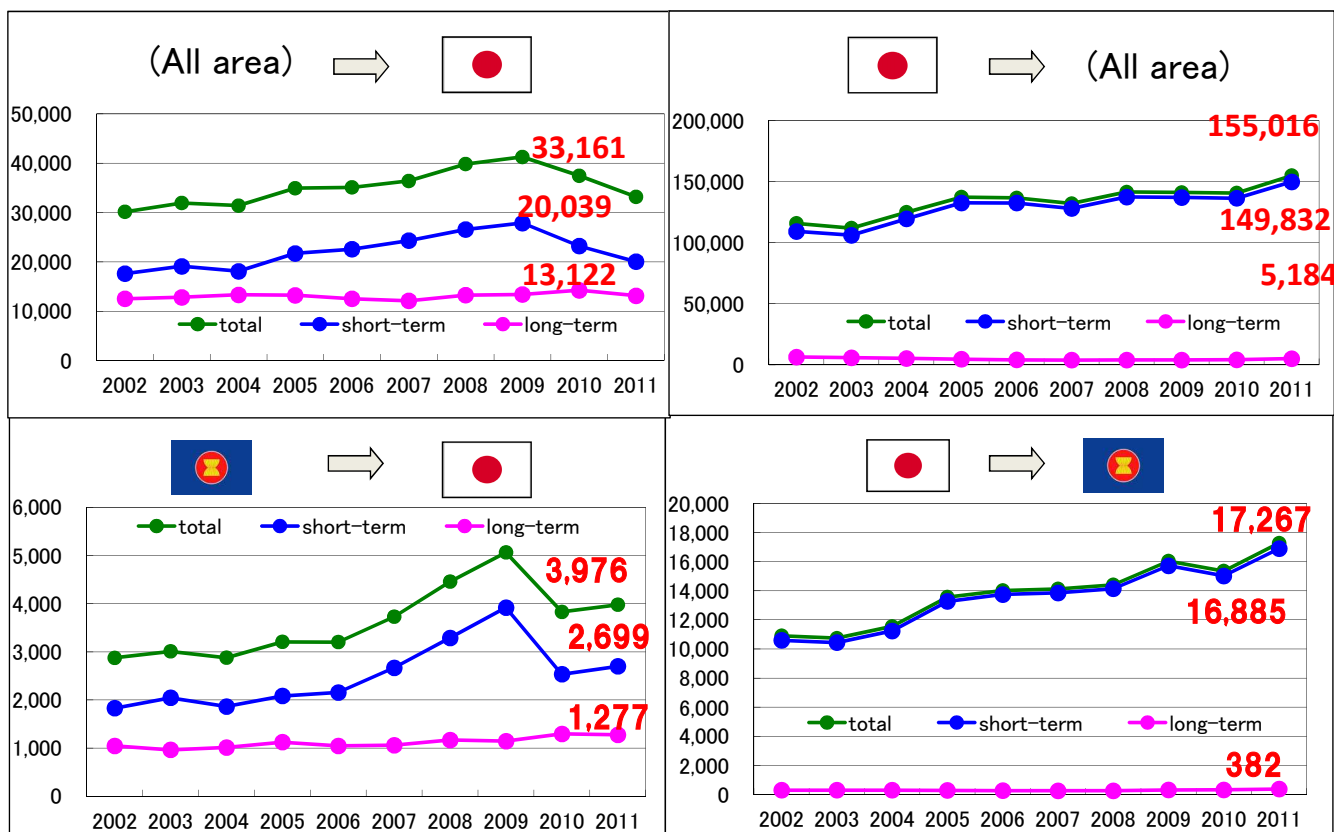


- Breakthrough innovation
- Resolve global issues

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International Collaboration Activities with ASEAN

Researcher Exchange



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Collaboration with ASEAN Committee on Science and Technology (COST)

- ASEAN Japan Cooperation Committee on Science and Technology (AJCCST): 2009~
- ASEAN COST+3 (Japan, China and Korea): 2006~



3rd AJCCST @Nay Pyi Taw, Myanmar, 2012

Some of MEXT's collaboration activities

- Personnel exchange
 - (new) *Research in Japan*
 - (new) *Japan-Asia Youth Exchange Program in Science*
- Joint research
 - e-ASIA Joint Research Program*
 - SATREPS*

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Research in JAPAN

Japan can be your next destination.
Many opportunities are open to you.
Enjoy your "cool" science life in Japan.

Dr. Surhud & Anupreeta More,
from INDIA
(The University of Tokyo)



(Osaka University)



Message from the Minister

-The Japan Vision 2020 initiative

The science community in Japan will become more internationalized and a more attractive place for top-notch persons.

Innovate with us for a better future!



Hakubun Shimomura,
Minister of Education, Culture, Sports, Science and Technology,
Minister in charge of Education Rebuilding
Minister in charge of the Tokyo Olympic and Paralympic Games



Robot Suit HAL®
©Prof. Sankai University of Tsukuba/CYBERDYNE Inc.



Why Japan?
So many reasons

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Japan-Asia Youth Exchange Program in Science



- Short-term (1-4 weeks) visit to Japan
- Youth (high school ~ post-doc)



Invite excellent students from Asia

Collaboration

Other short exchange programs



S&T contents

- Research institute visits
- Exchange with students and researchers
- Lectures by famous scientist
- Science camp, etc.



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e-ASIA Joint Research Program



Objectives

- Resolving common issues and lead to innovation in the region through international joint research on **multilateral basis**
- Capacity development on S&T by accelerating intercommunication of people, goods, money, and wisdom in S&T

Current Members

Cambodia, Indonesia, Japan, Laos, Malaysia, Myanmar, New Zealand, Philippines, Thailand, USA, Vietnam (11 countries, as of Feb. 2014)

Research Fields



Biomass / Plant Science (*)



Infectious Diseases



Nanotechnology / Materials (*)



Disaster Prevention



Advanced Interdisciplinary Research towards Innovation

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Science and Technology Research Partnership for Sustainable Development (SATREPS)



Research collaborations to resolve global issues



30 projects in ASEAN

**Indonesia: 9, Thailand: 7,
Vietnam: 6, Philippines: 4,
Malaysia: 3, Laos: 1**

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Collaboration with
ASEAN Countries

Collaboration with
ASEAN Community