

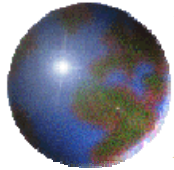


Funding Framework in JAPAN
The Roles of Japan Society
for the Promotion of Science

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& Professor, Nagoya Institute of Technology



S&T Policy Players in Japan

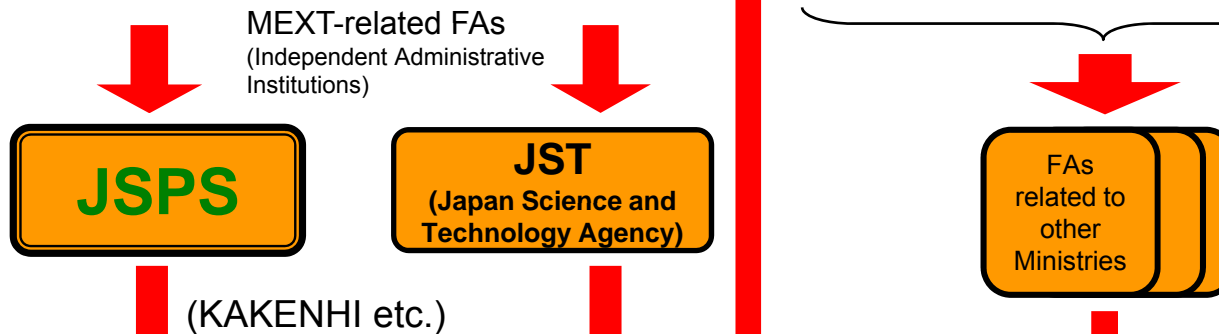
Council for S&T Policy (CSTP): Basic principles and overall coordination

Ministries

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Funding Agencies (FAs)



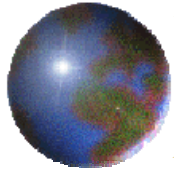
Institutions

Universities, Research Institutions, Local Govs, Private Sector

Researchers

2008.6.5

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S&T Policy in Japan (2)

The 3rd Science and Technology Basic Plan (FY2006-2010)

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- ✓ Established by the Cabinet in March 2006
- ✓ Investment target: 25 trillion yen (220 billion dollars) during 2006-2010

Prioritizing Science & Technology

- Promotion of basic science
- Prioritized investment in strategic fields
 - 4 priority promotion areas**
(Life science, IT, Environmental science, Nanotech & materials)
 - 4 promotion areas**
(Energy, MONODZUKURI-tech, Social infrastructure, Frontier)
- Effective research and development

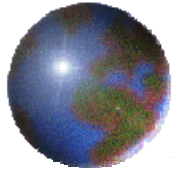
Reforming the Science & Technology System

- Fostering, retaining and utilizing talented people
- Continuous creation of innovation
- Strengthening S&T facilities
- Conducting Strategic international activities

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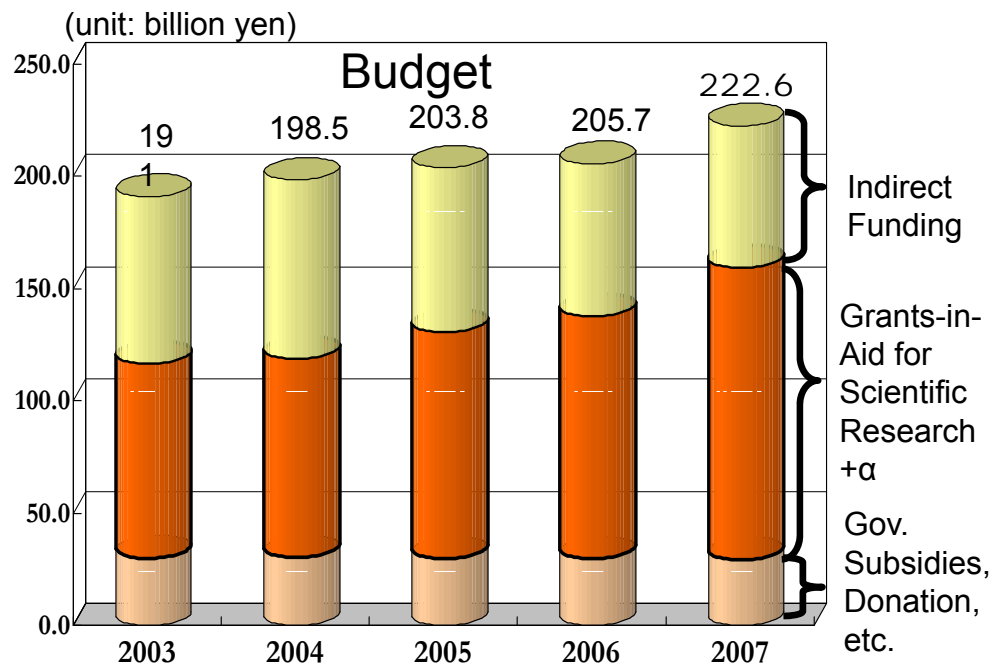
Science and Technology Supported by the Public

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JSPS at A Glance

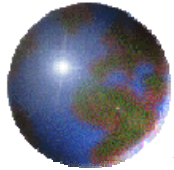
- ♣ Japan Society for the Promotion of Science was established as a non-profit foundation through an endowment by Emperor Showa in 1932.
- ♣ It is Japan's core funding agency supporting universities and research institutes in advancing science in all fields including humanities and social sciences
- ♣ Annual funding scale: nearly US\$ 2 billion



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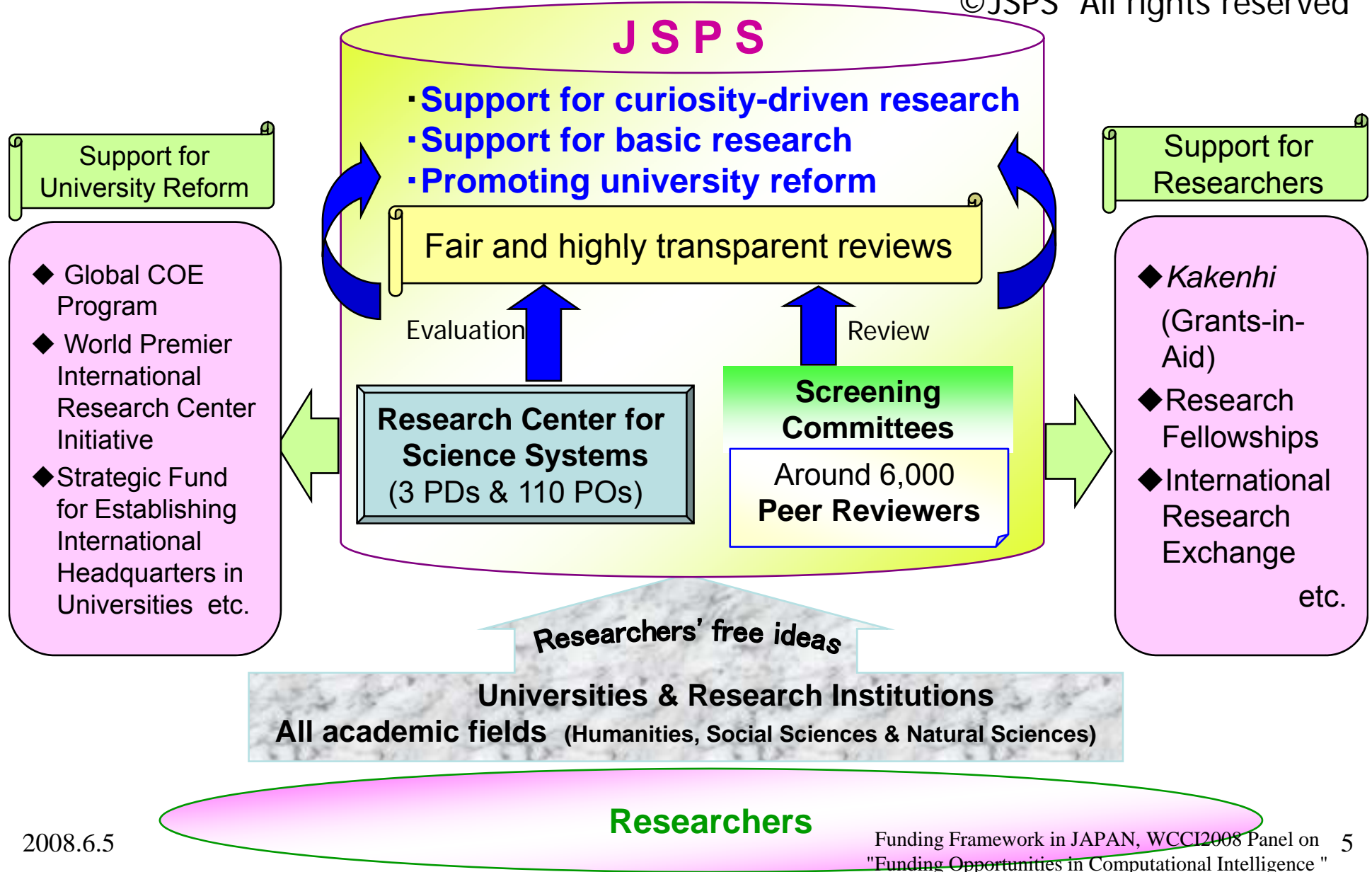
Major Missions of JSPS

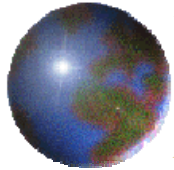
- Funding research initiatives**
 - Competitive research funding: Grants-in-Aid
- Promoting Research Integrity**
- Fostering next generation of scientists**
 - Research fellowships for young scientists
- Promoting university reform**
 - Joint programs with Ministry of Education and Science
- Advancing international collaboration**
 - Collaborations with overseas partners



The Role of JSPS in Research Funding

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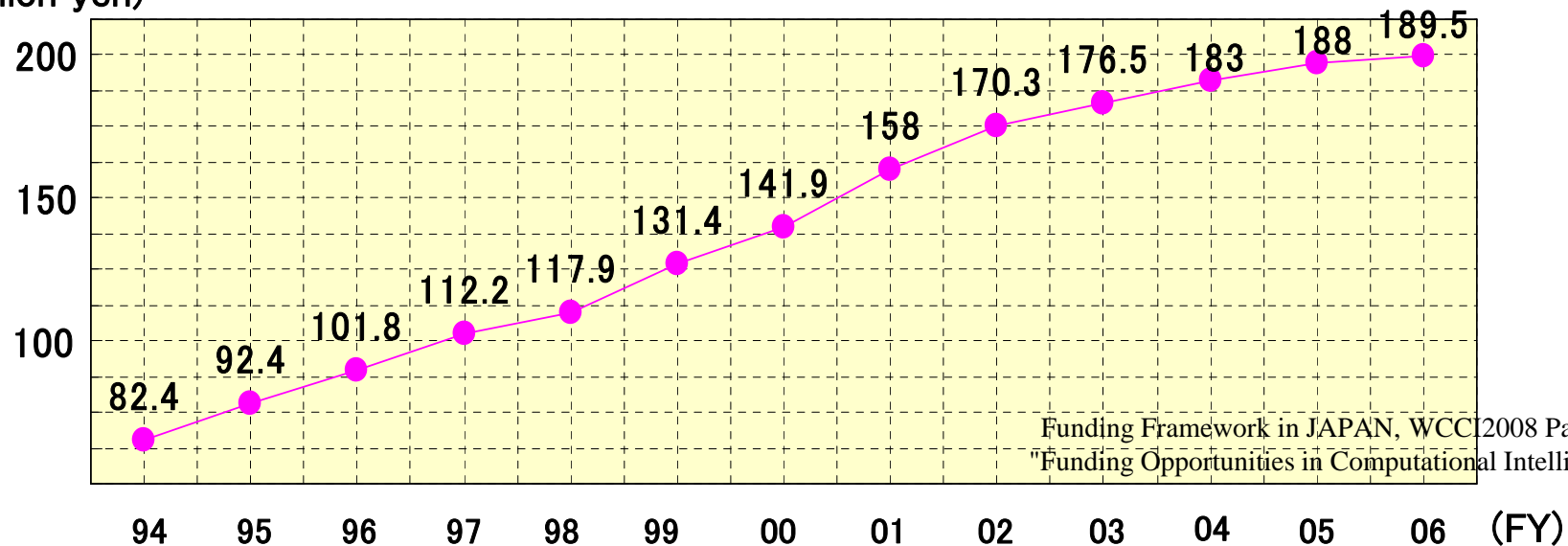


Research Funding by KAKENHI *

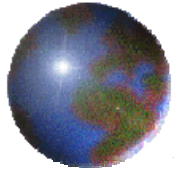
* **Grants-in-Aid for Scientific Research** ©JSPS All rights reserved

- ◆ **Competitive grants targeting scientific research based upon the free ideas of researchers.**
- ◆ **Covers all the fields of sciences.**
- ◆ **Budget scale (FY2007): ¥191.3 billion**
 - About 5% of government's entire S&T budget (¥3.5 trillion)
 - About 40% of government's competitive funding (¥476.6 billion)
- ◆ **At JSPS, 5,000 researchers conduct peer-review screening**
- ◆ **About 20,000 proposals are selected out of 90,000 new applications (22% selection ratio) . There are 45,000 ongoing grants (total of new and carryover grants).**

(Billion yen)



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Fellowships / Fostering Talents

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● Postdoctoral Fellowships for Foreign Researchers

- Japanese universities/research institutes invite young researchers from overseas to participate in collaborative research activities for 1-2 years.
- In 2006, 1,962 researchers were awarded this fellowship (982 are from Asia)

● RONPAKU (Dissertation PhD) Program

- A PhD degree is obtained from a Japanese university by submitting a dissertation
- 30 PhD candidates are awarded the fellowships every year allowing them to visit their Japanese host universities up to 90 days for 5 years
- As of 2006, 490 candidates are successfully awarded PhDs through this program

● Invitation Fellowships for Research in Japan

- Mid-career or above researchers are invited to Japan for 14-60 days (to give lectures) or for 2-10 months (to conduct joint research)
- In 2006, 457 researchers were awarded this fellowship (112 are from Asia)

● Asian Science Seminars

- Held in cooperation with CAS (China), KOSEF (Korea) and DST (India)
- Provides opportunities for young researchers to receive trainings in cutting-edge fields of common interest to all 3 countries

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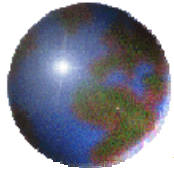
Thank you



*For more information;
please visit our websites.*

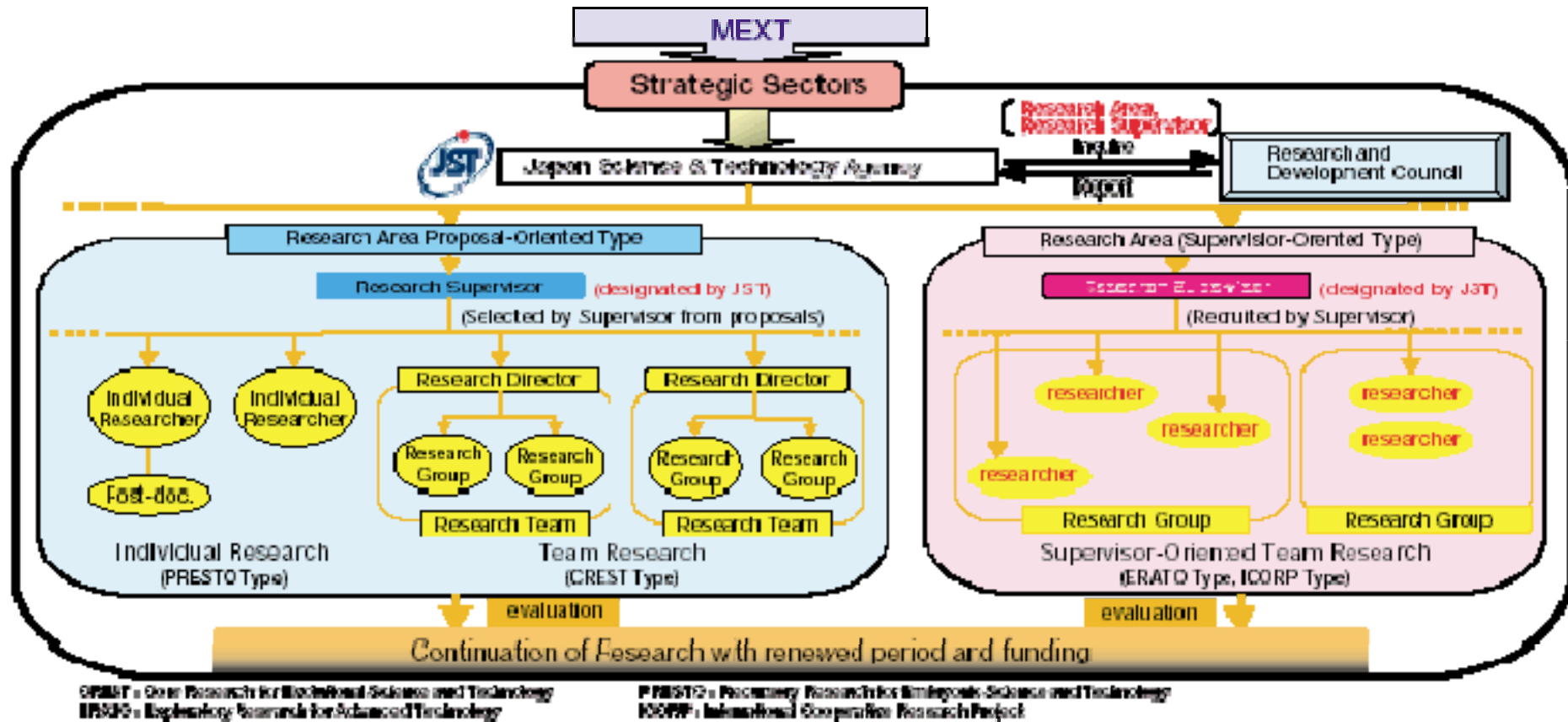
Japanese
www.jsps.go.jp

English
www.jsps.go.jp/english/index.html

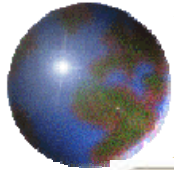


THE BASIC RESEARCH PROGRAM

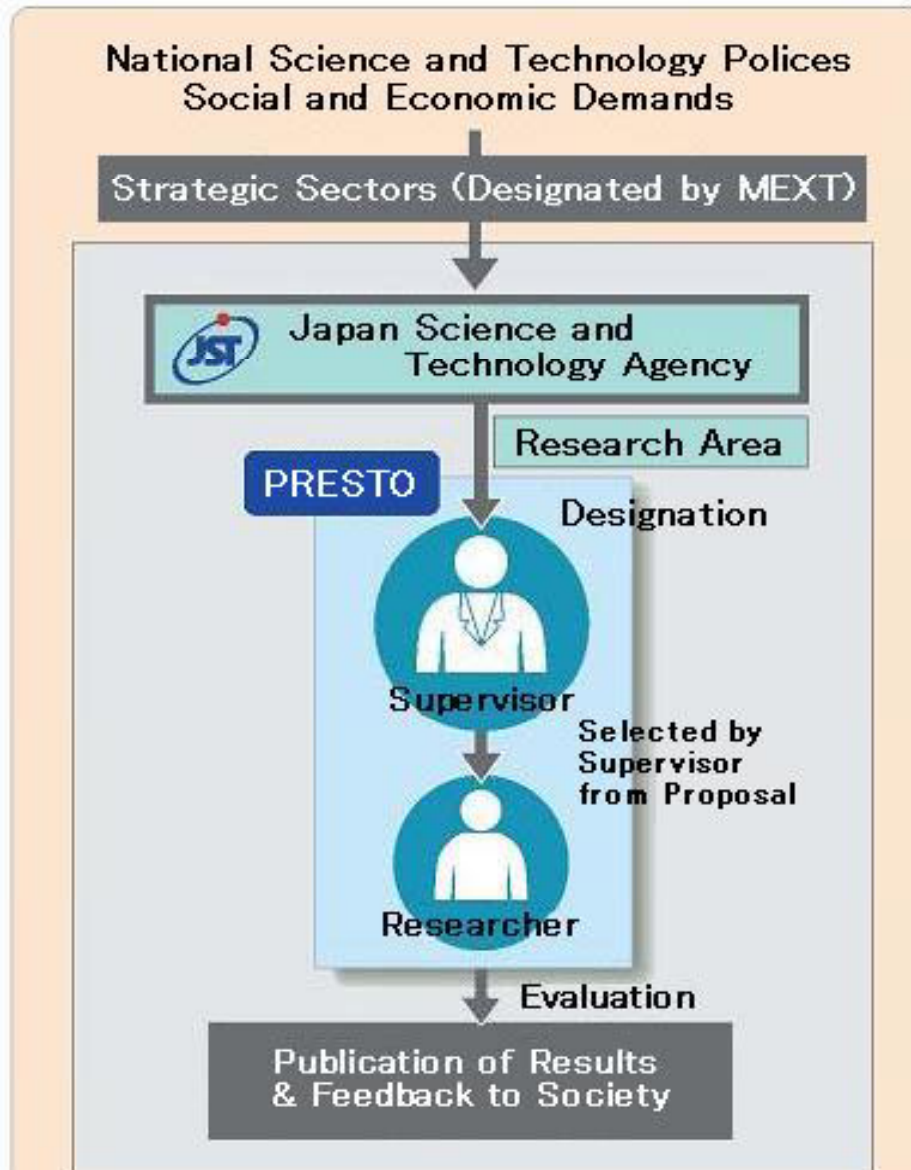
by JST (Japan Science and Technology Agency)



<http://www.jst.go.jp/kisoken/en/index.html>



PRESTO (Personal-oriented research promotion program)



"SAKIGAKE"

Research Supervisor
"Dr. Mitsuo Kawato"

Research Area
"Creation of innovative fundamental technologies for utilizing information related to action and judgment in the brain"

Brain-Machine Interfaces (BMI)

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http://www.jst.go.jp/kisoken/presto/index_e.html