



Pioneering the Future: Japanese Science, Technology and Innovation

-Cross-ministerial Strategic Innovation Promotion Program(SIP)-

Council for Science, Technology and Innovation,
Cabinet Office

The Government of Japan



Japan Revitalization Strategy – Japan is back –

Three Arrows of the Economic Policies

1st
Bold Monetary Policy

2nd
Flexible Fiscal Policy

3rd
Japan Revitalization Strategy
New Growth Strategy



Three Action Plans

- . Plan for the Revitalization of Japanese Industry
- . Strategic Market Creation Plan
- . Strategy of Global Outreach

↑ Cabinet decision on June 14, 2013
↓ *Closely linked with ...*

Comprehensive STI Strategy (June 2013)




- ✓ Achievement of Council for Science, Technology and Innovation (CSTI)
- ✓ Cabinet decision on June 7th, 2013

HQ for Science and Technology to foster innovation

- Council for Science, Technology and Innovation (CSTI) -

- *Promoting effective measures across ministries to create innovation beyond the borders of disciplines, ministries and sectors*

Three Arrows of Reinforcement of the HQ

-  1st Improvement of the process for policy-making
“S&T Budgeting Strategy Committee” and “Action Plans for S&T Priority Measures”
 - *Prioritized area: “Energy”, “Next-generation infrastructures”, “Local resources”, “Health & Medical”*
 - *Budget for FY2014: ¥335bil*
-  2nd SIP (Cross-Ministerial Strategic Innovation Promotion Program)
 - *Budget for FY2015: ¥50bil*
-  3rd ImPACT (Impulsing PARadigm Change through disruptive Technologies)
 - *Budget for FY2014-2018: ¥55bil*

Council for Science, Technology and Innovation (CSTI)

Chairperson



Shinzo ABE
Prime Minister

Yoshihide SUGA
Chief Cabinet Secretary

Taro ASO
Minister of Finance

— Cabinet Members —

Aiko SHIMAJIRI
Minister of State for Science
and Technology Policy

Hiroshi HASE
Minister of Education, Culture,
Sports, Science and Technology

Sanae TAKAICHI
Minister for Internal Affairs
and Communications

Motoo HAYASHI
Minister of Economy,
Trade and Industry

Relevant ministers are appointed ad-hoc members when needed to attend plenary session meetings of CSTI

— Executive Members —



Dr. Kazuo KYUMA
Former Executive Adviser,
Mitsubishi Electric Corp.
(Permanent Position)



Dr. Yuko HARAYAMA
Professor Emeritus,
Tohoku University
(Permanent Position)



Ph.D. Ueyama Takahiro
Former Vice President,
National Graduate Institute for
Policy Studies
(Permanent Position)



Mr. Takeshi UCHIYAMADA
Chairman of the board,
Toyota Motor Corp.

< Head of an Affiliated Organization >



Dr. Kazuhito HASHIMOTO
President,
National Institute for
Materials Science (NIMS)



Dr. Motoko KOTANI
Professor,
Tohoku University



Mr. Masakazu Tokura
Representative, Director & President
Sumitomo Chemical Co., Ltd.



Dr. Takashi ONISHI
President,
Science Council of Japan

Cross-Ministerial Strategic Innovation Promotion Program (SIP)

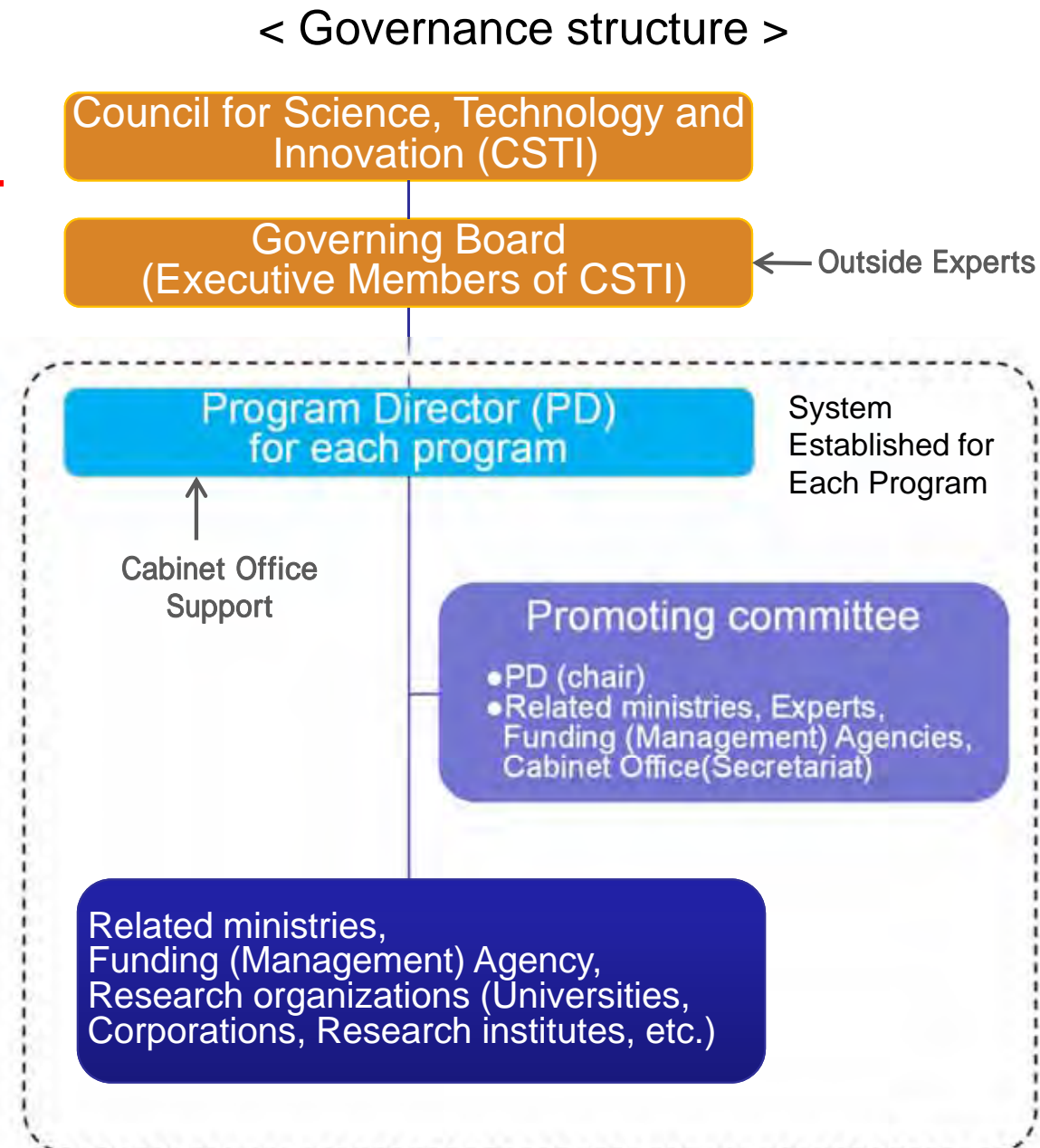
Features of the SIP

- The Council for Science, Technology and Innovation(CSTI) selects **projects that answer critical social needs and offer competitive advantage to Japanese industry and the economy.**
- **Cross-ministerial Initiatives.**
- **Promote focused, end-to-end research and development, from basic research to practical application and commercialization.** Utilize results in regulations, systems, special wards, government procurement, etc.
- **Intellectual property management system** facilitating strategic corporate use of research results.

Cross-Ministerial Strategic Innovation Promotion Program (SIP)

Implementation Structure

- Select directors for each program (PD).
- PDs selected by invitation from among top-class leaders in industry and academy.
- Program directors break through ministerial silos, managing programs from a cross-ministerial perspective.
- Governing Board (Members: Executive members of the Council for Science, Technology and Innovation) to provide advice/ assessment.



Cross-Ministerial Strategic Innovation Promotion Program (SIP)

Prioritized Societal Issues	Themes
Energy	Innovative Combustion Technology
	Next-Generation Power Electronics
	Structural Materials for Innovation (SM I)
	Energy Carriers
	Next-Generation Technology for Ocean Resources Exploration
Next-Generation Infrastructures	Automated Driving System
	Infrastructure Maintenance, Renovation and Management
	Enhancement of Societal Resiliency against Natural Disasters
	Cyber-Security for Critical Infrastructures
Local Resources	Technologies for Creating Next-Generation Agriculture, Forestry and Fisheries
	Innovative Design / Manufacturing Technologies

Cross-Ministerial Strategic Innovation Promotion Program (SIP)

- Program Directors/Affiliation for SIP -

Innovative
Combustion
Technology



**Masanori
SUGIYAMA**

Toyota Motor Corp.

Structural Materials
for
Innovation (SM I)



**Teruo
KISHI**

Univ. of Tokyo, NIMS

Next-generation
Technology for Ocean
Resources Exploration



**Tetsuro
URABE**

Univ. of Tokyo, JMEC

Infrastructure
Maintenance,
Renovation and
Management



**Yoza
FUJINO**

Yokohama National Univ.

Cyber-Security
for Critical Infrastructures
Disasters



**Atsuhiko
GOTO**

Institute of Information Security

Innovative Design/
Manufacturing
Technologies



**Naoya
SASAKI**

Hitachi, Ltd.

Next-Generation
Power Electronics



**Tatsuo
OOMORI**

Mitsubishi Electric Corp.

Energy Carriers



**Shigeru
MURAKI**

Tokyo Gas Co.,Ltd.

Automated Driving
System



**Seigo
KUZUMAKI**

Toyota Motor Corp.

Enhancement of
Societal Resiliency
against Natural Disasters



**Masayoshi
NAKASHIMA**

Kyoto Univ.

Technologies for Creating
Next-Generation Agriculture,
Forestry and Fisheries



**Takeshi
NISHIO**

Hosei Univ.

