

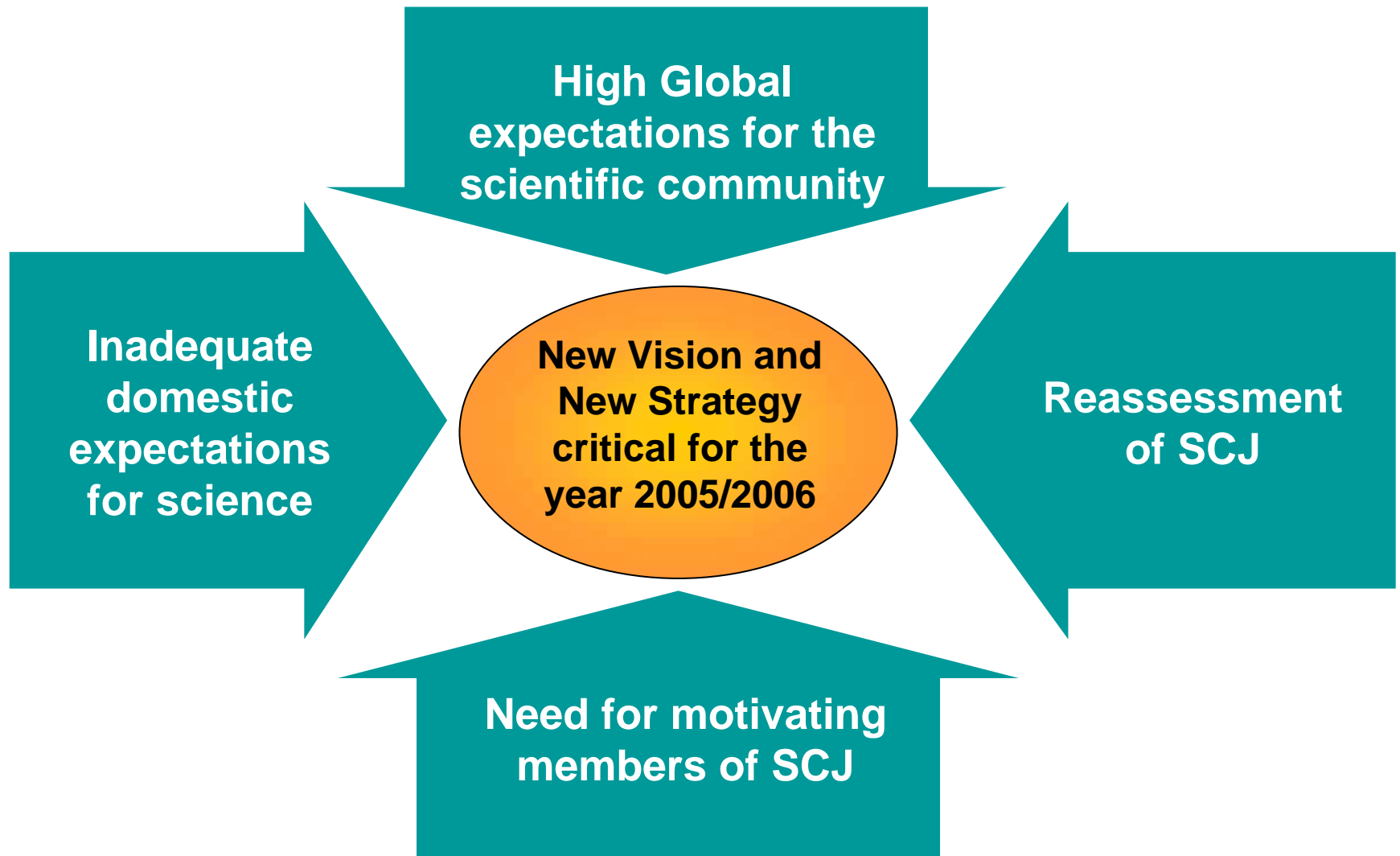
New Vision of SCJ and its Transformation

Science Council of Japan

**Building trust for the Academic
Community:
Paradigm for the 21st Century**

Science Council of Japan

Forces at Work Surrounding SCJ



Forces at Work Surrounding SCJ

Expectations for science in Japan not at global level

- Little awareness & recognition for scientists
- Scientific thinking not well established

**-New Vision and New Strategy
-Clear output needed soon**

Forces at Work Surrounding SCJ

**-New Vision
and New Strategy**
**-Clear output
needed soon**

Reassessment of SCJ

- **Administrative reforms**
- **Unclear objectives for scientists**
- **Undifferentiated from other research institutes**
- **Collaboration with Council of S & T policy**

Forces at Work Surrounding SCJ

Global expectations for the scientific community

- “No Exit” solution for global issues
- Contribution made by other national science academies to G8 and other executive bodies
- Same expectations of SCJ

- **New Vision
and New Strategy**
- **Clear output
needed soon**

Forces at Work Surrounding SCJ

- **New Vision and New Strategy**
- **Clear output needed soon**

Need for motivating members of SCJ

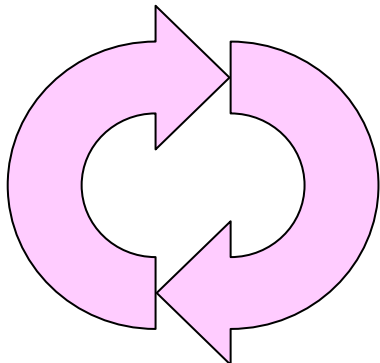
- **More younger & female members**
- **Many members busy with other responsibilities**
- **Expectation & uncertainty for new SCJ**

New Vision and Strategy of SCJ

Vision

Build trust for science community:

- foster and leverage an autonomous, socially responsible science community
- enhance world's expectations and trust of Japan and its scientists



Strategy

1. Form and meet higher social expectations of Japan's science
2. Motivate Japan's scientists
3. Build foundation for interdisciplinary perspectives
4. Establish effective process/system to proactively publish recommendations on globally critical issues

New Vision and Strategy of SCJ

Vision

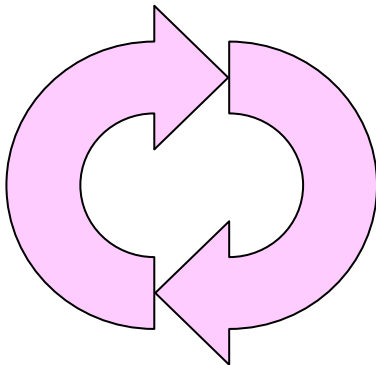
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Strategy

1. Form and meet higher social expectations of Japan's science

- Announce activities of Japanese science community in & out of Japan
- Raise awareness of science in Japan
- Build higher social expectations for science and deliver its promise



New Vision and Strategy of SCJ

Vision

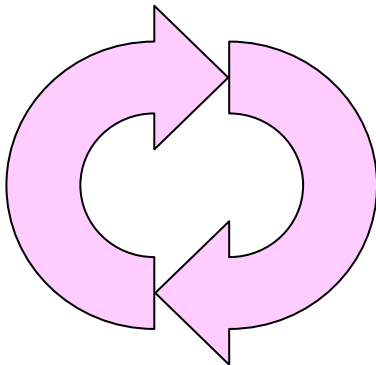
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Strategy

2. Motivate Japan's scientists

- Demonstrate code of conduct for scientists
- Raise sense of mission, discipline, and motivation of scientists in many social fields



New Vision and Strategy of SCJ

Vision

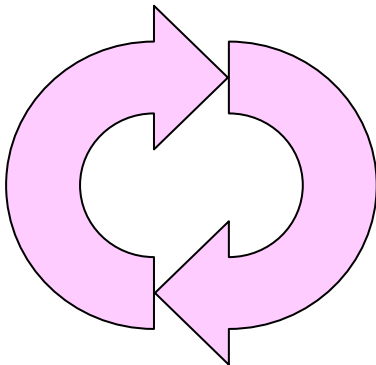
Build trust for science community:

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Strategy

3. Build foundation for interdisciplinary perspectives

- Select issues and assign personnel by transparent and forward-looking frameworks
- Build foundation for the optimal problem solving from broad perspectives beyond nation, field, and industry



New Vision and Strategy of SCJ

Vision

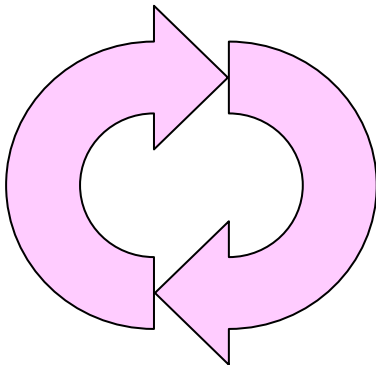
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Strategy

4. Establish effective process/ system to proactively publish recommendations on globally critical issues

- Take initiative to deliver proposals to global issues, rather than wait for the contract
- Build system and process to make it happen



Plan of Action (this year)

Strategy	Target	Action
Higher expectations of Japan's science	Public at large in & out of Japan	1. Media appeal of “renewed” SCJ
	Same as above	2. Build new SCJ website
	Public at large (in Japan)	3. Start “Science Café”
	Students	4. Announce/launch science campaign at grade/middle schools
	Students Public	5. Science in dialogue (in progress)
	Students Research assoc	6. Members as “ambassadors”
	Corporate, Businesspeople	7. Series of lectures for business audience
	Government Business	8. Series of dialogues with policy makers

Plan of Action (2006)

Strategy

**Motivating
Japan's
scientists**

Action

- 1. Code of conduct for scientists**
- 2. Enhance social responsibility of SCJ members**
- 3. Recruit younger scientists, undergraduate and graduate students for social activities**

Plan of Action (2006)

Strategy

Action

Foundation for broader perspectives

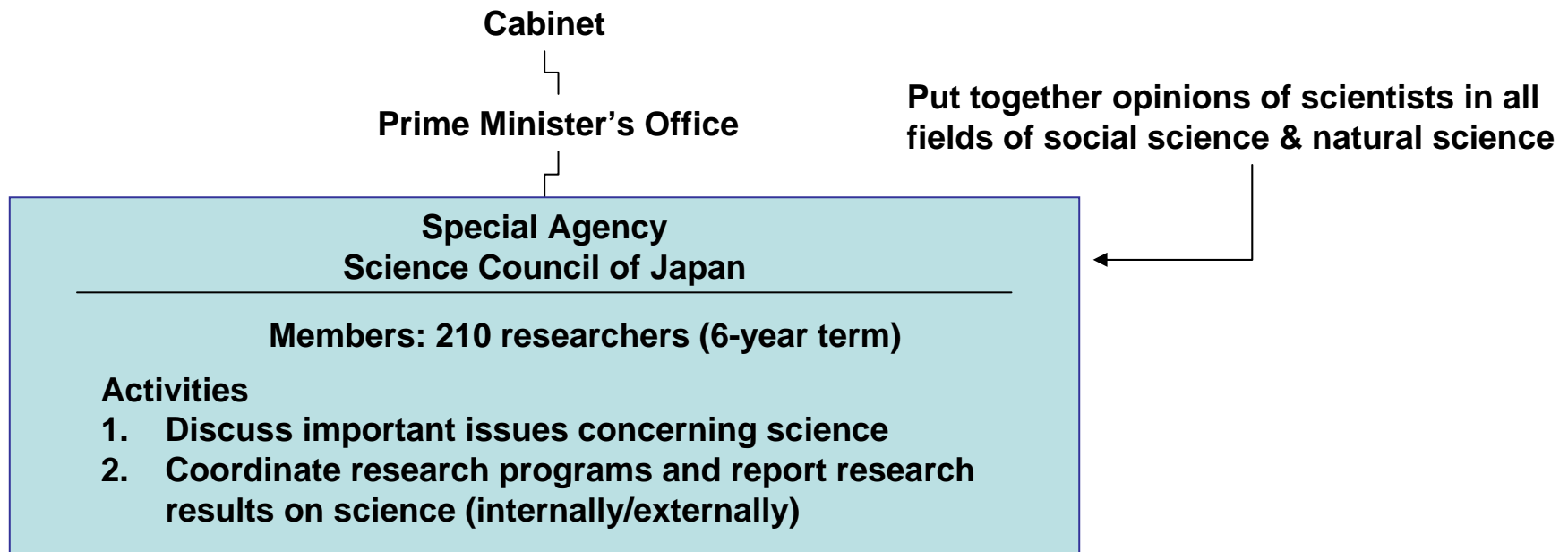
- 1. Strengthen and implement “Issue-driven committees”**

Process/System for initiating/announcing recommendations for global issues

- 1. Response to G8 and other prestigious summit conferences**
- 2. Contribution to influential conferences such as SCA with proposals and reports of significant substance**
- 3. Dissemination of existing reports and other public relations activities**

What is the Science Council of Japan?

- The Science Council of Japan is an organization that brings together scientists to develop and announce opinions and views in all the fields of social science and natural science.
- Based on the belief that science is the foundation of a civilized nation, its objective is to promote and enhance the field of science, and permeate science in all government agencies, industries and people's lives
- SCJ is made up of 210 members selected from approximately 790,000 scientists nationwide.



History of SCJ

Jan 1949

- Established as “special agency”

1950s

- Propose Japan’s participation in International Research Group of Antarctic
- Propose 3 Principles of Atomic Energy Utilization for Peace

1960s

- Going Left

1990s

- Administrative Reform in Japan

2005

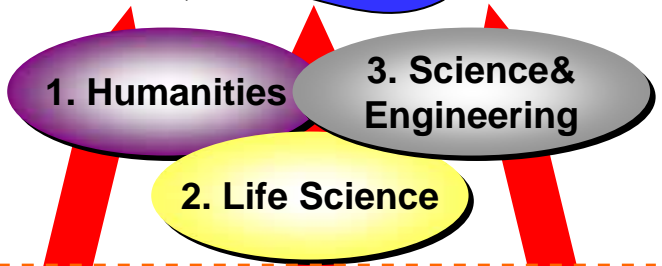
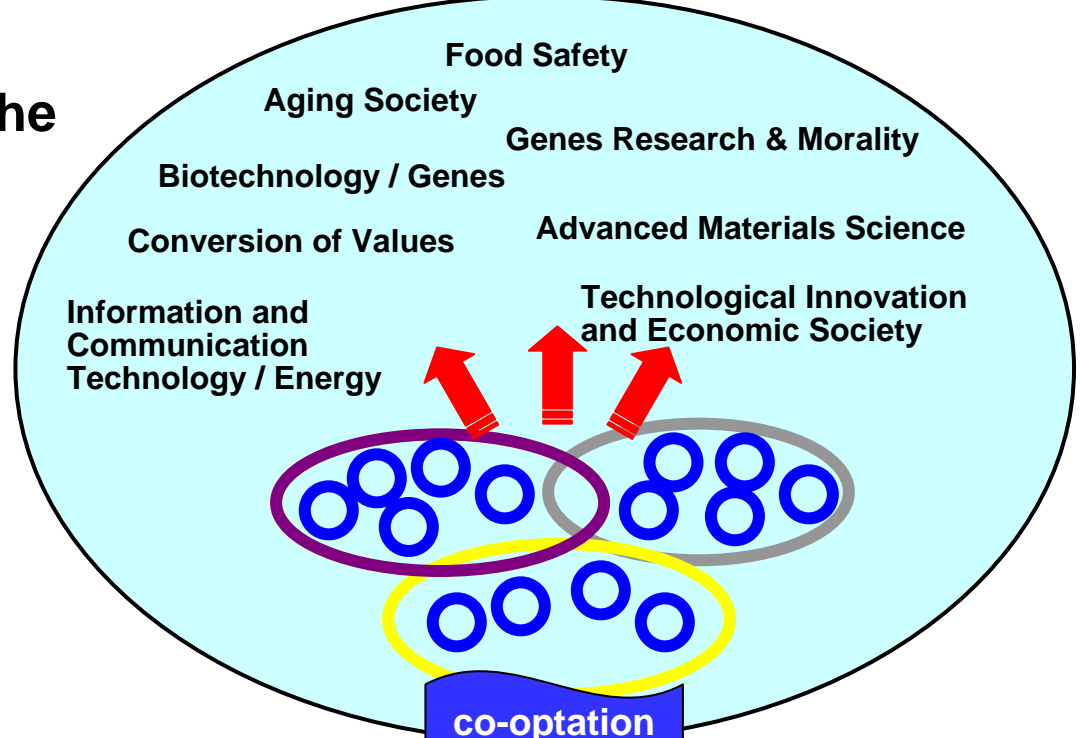
- Move to Prime Minister’s office
- New SCJ with new members

Activities of SCJ

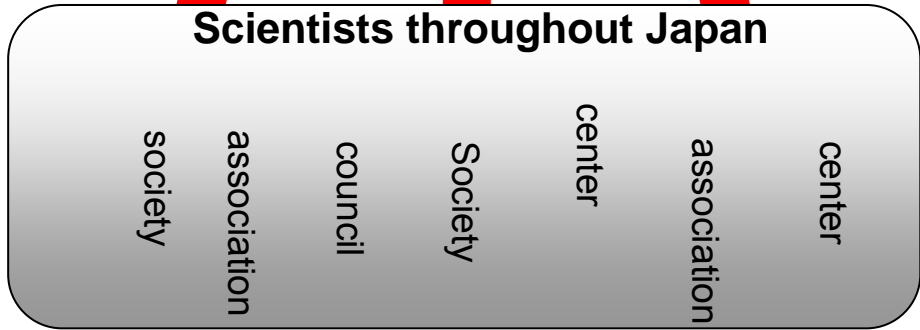
- 1. Discuss important issues concerning science, and implement decisions**
- 2. Report research results on science to achieve higher efficiency**

- Respond to inquiries from the government, as it has the authority to make recommendations to the government
- Affiliate with international academies and councils
- Send delegations to important international academic conferences held throughout the world
- Send delegations to bilateral academic exchange programs
- Co-sponsor and support international academic conferences held in Japan

Structure and Functions of the New SCJ



Collect information on candidates

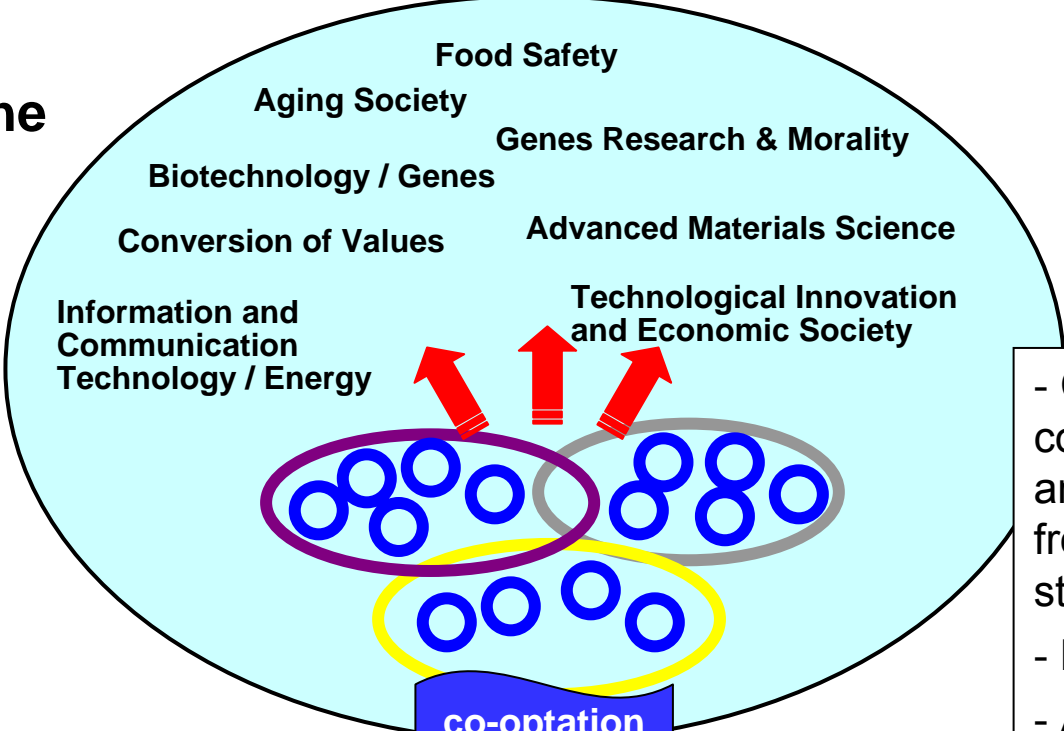


Issue-driven Committee

Sub committees

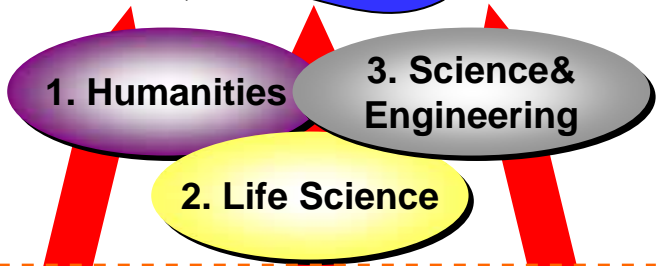
Selection of Members

Structure and Functions of the New SCJ

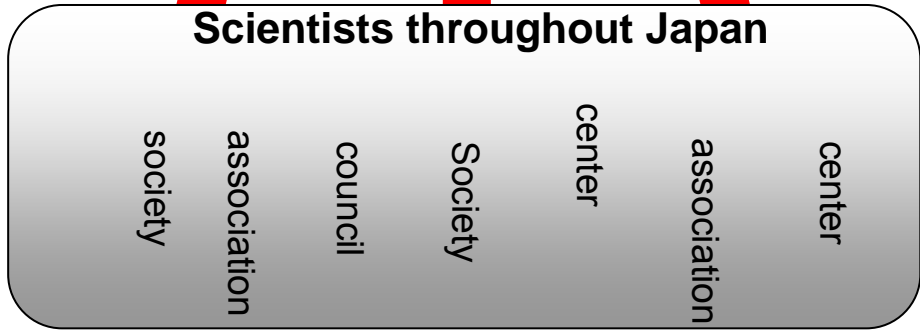


Issue-driven Committee

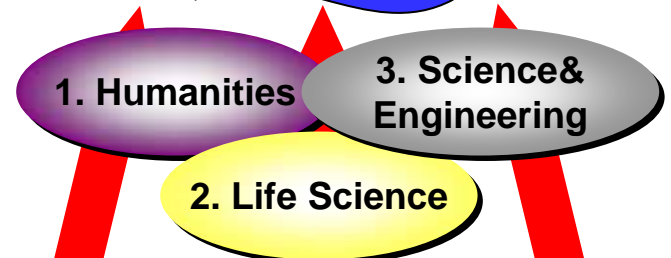
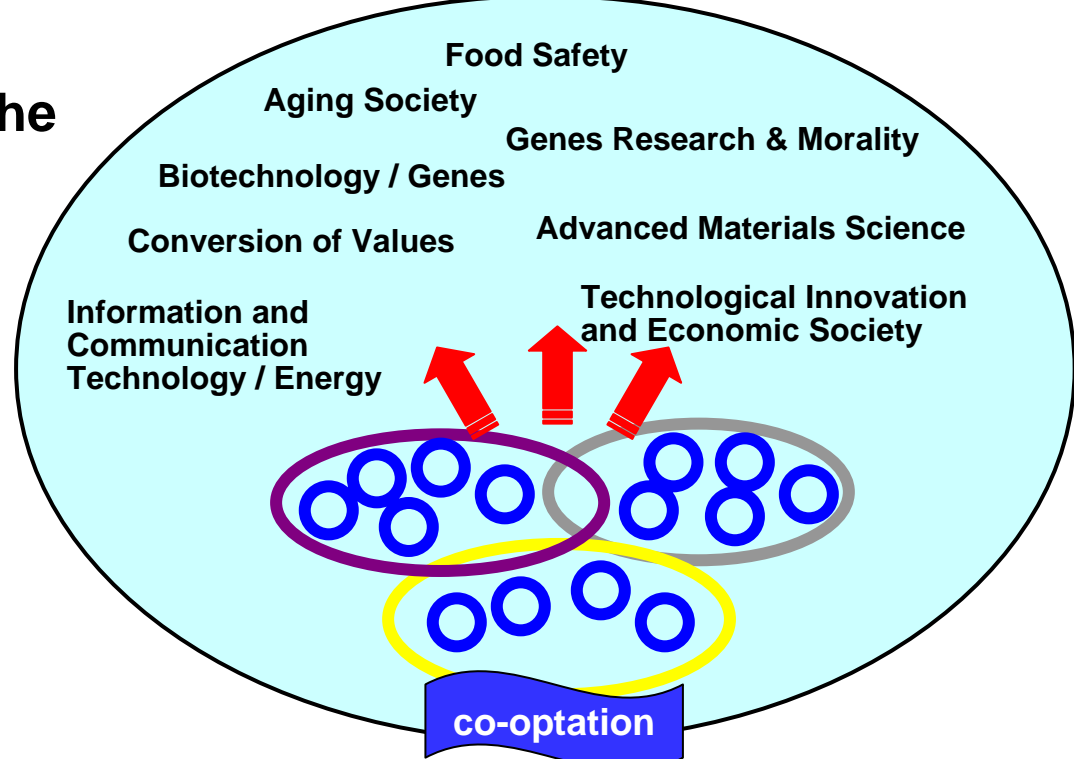
- Committee to correspond to social and international needs from a scientific standpoint
- Limited term
- Ad hoc
- Members can join any committee regardless of their fields (1,2, or 3)



Collect information on candidates



Structure and Functions of the New SCJ

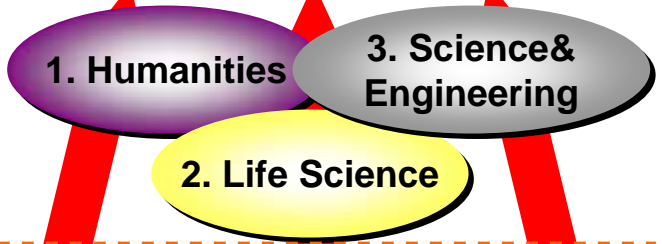
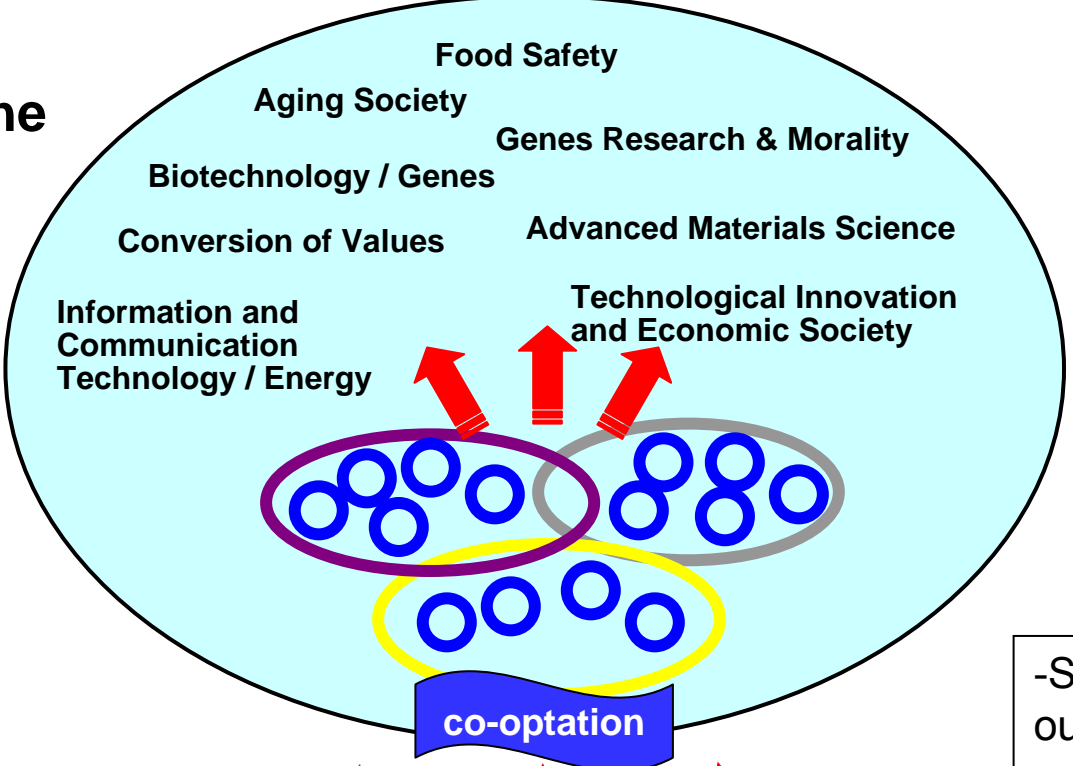


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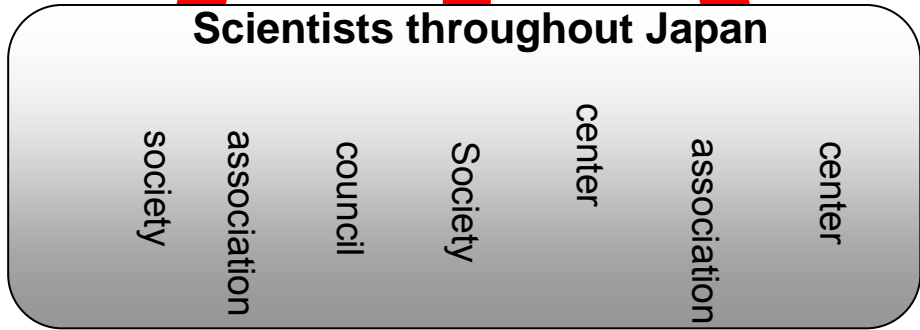


- Based on trend and research agenda in the 30 fields
- Members can register for multiple committees
- Can move from one committee to another

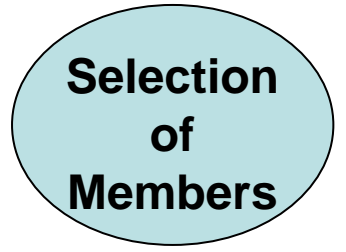
Structure and Functions of the New SCJ



Collect information on candidates



- Select scientists with outstanding scientific achievements
- independent from the institution/ association to which they belong



Tasks New Members Face After Launch

- 1. Strengthen the policy proposal function
(Set up a more flexible and swift Special Committee)**
- 2. Cooperate with the Council for Science and Technology Policy**
- 3. Strengthen International Activities**
- 4. Strengthen the information dissemination function**

Japan Vision 2050 – Principles of Strategic Science and Technology Policy toward 2020

< Beginning of the 21st Century >

< 2006 2020 2050 >

< 2050 >

Bedrock of the Nation is “Building People”

(1) Nurture individuals to develop a historical view of civilization so that they will be able to think strategically

(2) Switch from a career formed through “mono culture” to one formed through “blending”

(3) Get rid of the insular mindset and replace it with an open mindset

Strategic Use of Science and Technology

(1) Place top priority on harmonizing the environment and the economy

(2) Place emphasis on programs that attach importance to soft power

(3) Management based on appropriate research and a high degree of transparency

2036-2050

2021-2035

Handling state issues
(2006-2020: 5 years x 3 terms)

Educational reform

- Realize a society of equal partnership
- Realize a convivial society
- Social infrastructure for a healthy, secure life
- Industry, economy, labor and employment policies
- Co-existence with nature and rejuvenation of nature
- Rejuvenation of the country and region
- Develop an information communication system
- Energy and the environment

Achieve the targeted mission

Handle common global issues

Coexistence of the environment and the economy

Realize the National Vision:

State with a Sense of Dignity

Asian Trust

Global issues:

Sustainability of human society

- Degradation of Earth’s environment
- Popular growth
- Expanding North-South Disparity

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