

# Press Conference President of JST

April 19, 2017



**Japan Science and Technology Agency**

# Objectives for 2017FY



**Japan Science and Technology Agency**

# **Program on Open Innovation Platform with Enterprises, Research Institute and Academia: (OPERA)**



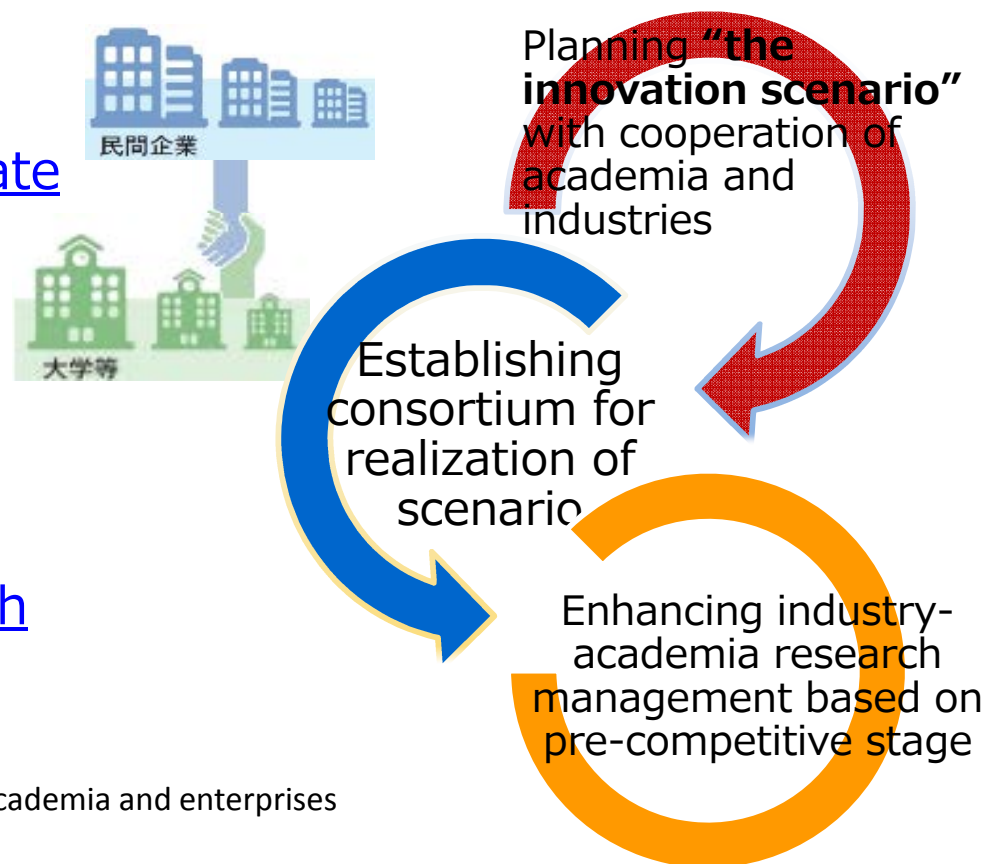
**Japan Science and Technology Agency**

## Promoting full-fledged industry-academia organizational collaboration ~ for R&D and R&D Management ~

### Purpose of OPERA

- ✓ Under the pre-competitive stage, create innovative technologies as seeds for developing new major industries
- ✓ Establishing sustainable platform for research environment, research systems and development of human resources.
- ✓ Enhancing industry-academia research partnership based on MEXT and METI guidelines in 2015

※Pre-competitive stage: Basic and fundamental research fields where academia and enterprises collaborate to create consortium and share the research outcomes.





# OPERA

Program on Open Innovation Platform with Enterprises, Research Institute and Academia

## Program Overview

### ■ Co-creation Consortium

Establish cooperation system for enterprises, research institute and academia and implement to enhance co-research management.

### ■ R&D

Develop “the innovation scenario” and implement R&D based on the scenario

### ■ Building Matching Funds

- JST accepts over 100 million yen in funds each year from the private sector.
- JST funds the same amount as the private sector and accelerates R&D innovation.

## Co-creation Consortium

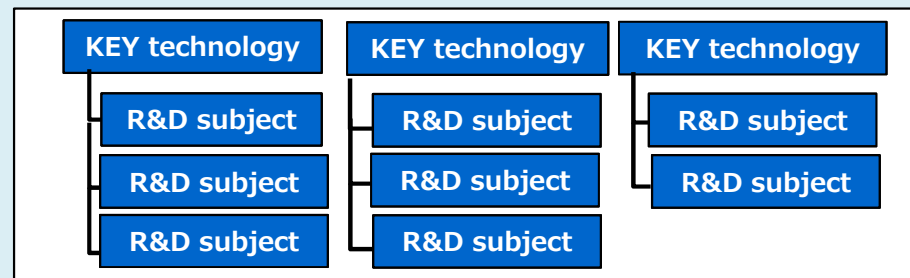
### ○ Operational Grounds

Main Body ... Main organization of Consortium  
Regional ... Project representatives  
Corporate... Universities, private companies

### ○ Operating Co-creation Consortium

- Brushing up of “the innovation scenario”
- Enhancing management system of OPERA (intellectual property rules etc.)
- Managing private funds and JST R&D budgets.

### ○ Research Area



### ○ Establishment of Matching Funds

Private Sector Funds ...Accepting 100 million yen/year  
JST ...Funding the same amount as private sector funds until the upper limit



# OPERA

Program on Open Innovation Platform with Enterprises, Research Institute and Academia

## Support Overview

### ■ Scope of Support:

- JST R&D Grant is about 170million yen /year  
(for each project including indirect expenses)  
For R&D: Grant the same amount as the public sector up to 150 million yen/year.  
For Investigation: 20 million yen/year for a single project as a co-creation consortium activity grant.
- R&D expense for a project is about 200~300million yen/year combining the JST and public sector grants.

### ■ Supporting Term: 5 years

### ■ Aim at the End of the Project:

Platforms for research environment, research infrastructure, and human resource system are well established, and we could expect development of platforms and creation of outcomes after the projects.

### ■ Number of Projects Approved

2016FY: 4 projects (selected among 13 applications)

2017FY: 3 projects planned

# 2016FY Research Area & Co-creation Consortium

- **Tohoku University :**

“World-leading open innovation platform of fusion technologies bridging IT and transportation system areas” (Project leader: Tetsuo Endoh, Director, Center for Innovative Integrated Electronics Systems, Tohoku University)

- **Yamagata University :**

“Soft Matter Robotics Consortium” (Project leader: Yoshihiro Oba, Director and Vice President, Yamagata University)

- **Nagoya University :**

“Human Machine Harmonization System Consortium” ( Project leader: Kazuya Takeda, Ph.D., Institutes of Innovation for Future Society, Nagoya University)

- **Hiroshima University:**

“Genome Editing Consortium” ( Project leader: Takashi Yamamoto, Ph.D., Molecular Genetics Laboratory, Hiroshima University)

A large, faint, light blue JST logo is centered in the background. It features the letters 'JST' in a bold, sans-serif font, with a light blue swoosh that loops around the letters. A small pink circle is positioned at the top of the swoosh.

# **SDGs and Gender Summit**



**Japan Science and Technology Agency**



# Science Technology Innovation For Sustainable Development Goals (STI for SDGs)

## □ STI contributes to the SDGs

1. **Provide solutions through the outcomes of S&T**
2. **Provide rational evidence** to know the process and attainability of the SDGs for planning, agreement, and objectives of projects

## □ Benefits of leading STI for SDGs for Japan/JST

1. Contribute to solution of various problems faced by Japan
2. Highlight Japanese leadership and contribution to universal values through our S&T diplomacy

- The point is to include SDGs in JST's object planning and operations for implementation.
- JST will analyze and classify how JST projects contribute to attaining the SDGs.



# SDGs Index in July 2016

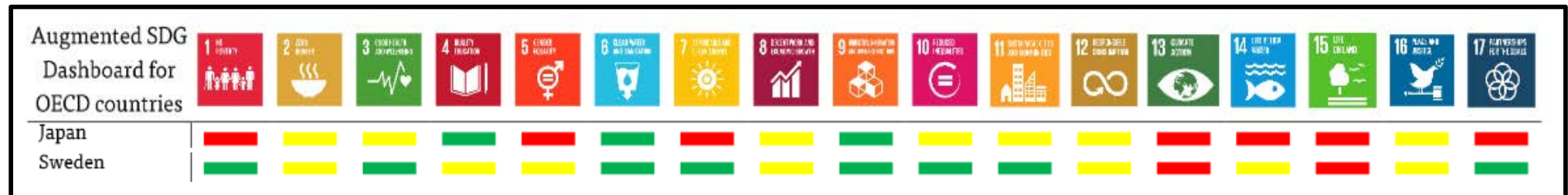
Japan ranked 18<sup>th</sup> among 149 countries, 17<sup>th</sup> among the 34 OECD member nations

## The SDG Index

Rank	Country	Score	Rank	Country	Score
1	Sweden	84.5	11	France	77.9
2	Denmark	83.9	12	Belgium	77.4
3	Norway	82.3	13	Canada	76.8
4	Finland	81.0	14	Ireland	76.7
5	Switzerland	80.9	15	Czech Republic	76.7
6	Germany	80.5	16	Luxembourg	76.7
7	Austria	79.1	17	Slovenia	76.6
8	Netherlands	78.9	18	<b>Japan</b>	<b>75.0</b>
9	Iceland	78.4	19	Singapore	74.6
10	United Kingdom	78.1	20	Australia	74.5
25	United States	72.7	47	Russian Federation	66.4
27	Korea, Rep.	72.7	76	China	59.1

※BY Bertelsmann Stiftung “SDG INDEX & DASHBOARDS”

# International evaluation for SDGs in Japan



Green: the country has already achieved the goal Yellow: the country is in a "caution lane"  
Red : the country is seriously far from achievement as of 2015

Source: SDG Index and Dashboards – Global Report (July 2016)

- The report ranked each country by the status of the Sustainable Development Goals (SDGs) from existing data. Sweden was rated the highest, and Denmark, Norway, and Finland follow. Nordic countries occupied the top 4 ranks.
- Japan is ranked 18<sup>th</sup> among the 149 countries. Japan scored poorly in the following categories: Poverty, Gender, Energy, Climate Action, Marine Resources, Life on Land Diversity, and International Partnership.

# Sustainable Development Goals (SDGs)

## 17 Sustainable development goals

- GOAL 1** End poverty in all its forms everywhere
- GOAL 2** End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- GOAL 3** Ensure healthy lives and promote well-being for all at all ages
- GOAL 4** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- GOAL 5** Achieve gender equality and empower all women and girls
- GOAL 6** Ensure availability and sustainable management of water and sanitation for all
- GOAL 7** Ensure access to affordable, reliable, sustainable and modern energy for all
- GOAL 8** Promote inclusive and sustainable economic growth, full and productive employment and decent work for all
- GOAL 9** Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
- GOAL 10** Reduce inequality within and among countries
- GOAL 11** Make cities and human settlements inclusive, safe, resilient and sustainable
- GOAL 12** Ensure sustainable consumption and production patterns
- GOAL 13** Take urgent action to combat climate change and its impacts
- GOAL 14** Conserve and sustainably use the oceans, seas and marine resources for sustainable development
- GOAL 15** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
- GOAL 16** Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
- GOAL 17** Strengthen the means of implementation and revitalize the global partnership for sustainable development

(\* From <https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals>)

# Gender Summit 10 (GS10)



Date: 25 – 26 May 2017 (Thursday – Friday)

Venue: Hitotsubashi Hall (2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo)

## Theme:

**Better Science and Innovation through Gender, Diversity and Inclusive Engagement**

※Official Language is English (Partial simultaneous interpretation)

## Plenary Sessions

1. Utilizing Gender and Diversity in Research and Development
2. Female Researchers Tackling Global Issues
3. Social Responsibilities of Science
4. Gender-based Research and Innovation

## Sub Session Themes (Working Group)

1. Soundness of Female Students' Selection of Scientific Careers
2. Benefits from Women's Participation for Science, Technology and Innovation
3. Developing Evaluation Methods for Diversity in Research
4. Gender Dimensions in Sport
5. Equal Opportunities for Women & Men in STEM Education
6. Gender Equality from the Perspective of Men and Boys