Press Session at Science Agora 2018

November 9, 2018

JST Japan Science and Technology Agency

What is Science Agora?

Science Agora is the biggest open forum of science in Japan, where everybody can attend and communicate, aiming for deepening the relation between science and society. Citizens, researchers, experts, the press, people from industries and government, and others get together beyond boundaries.

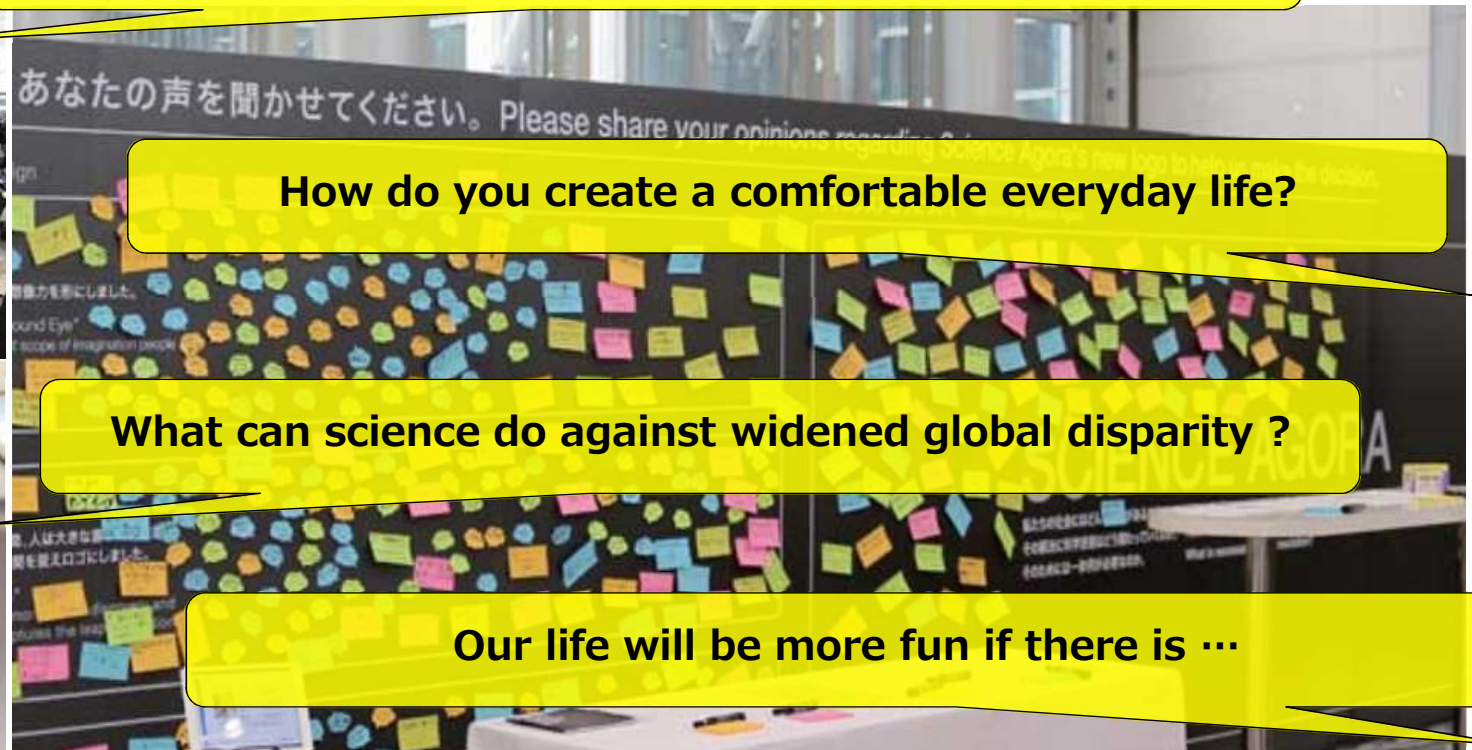**What should we learn and acquire in this AI oriented era ?**

How do you create a comfortable everyday life?

What can science do against widened global disparity ?

Our life will be more fun if there is …

Outline of Science Agora 2018

・Date：November 9 (Friday) - November 11 (Sunday), 2018
   10:00-16:00 (The first day is 13:00-16:15)

・Venue： ・Ceremony & Keynote lecture: **Miraikan** (November 9)
   ・Main venue: **Telecom Center Building** (November 10 & 11)
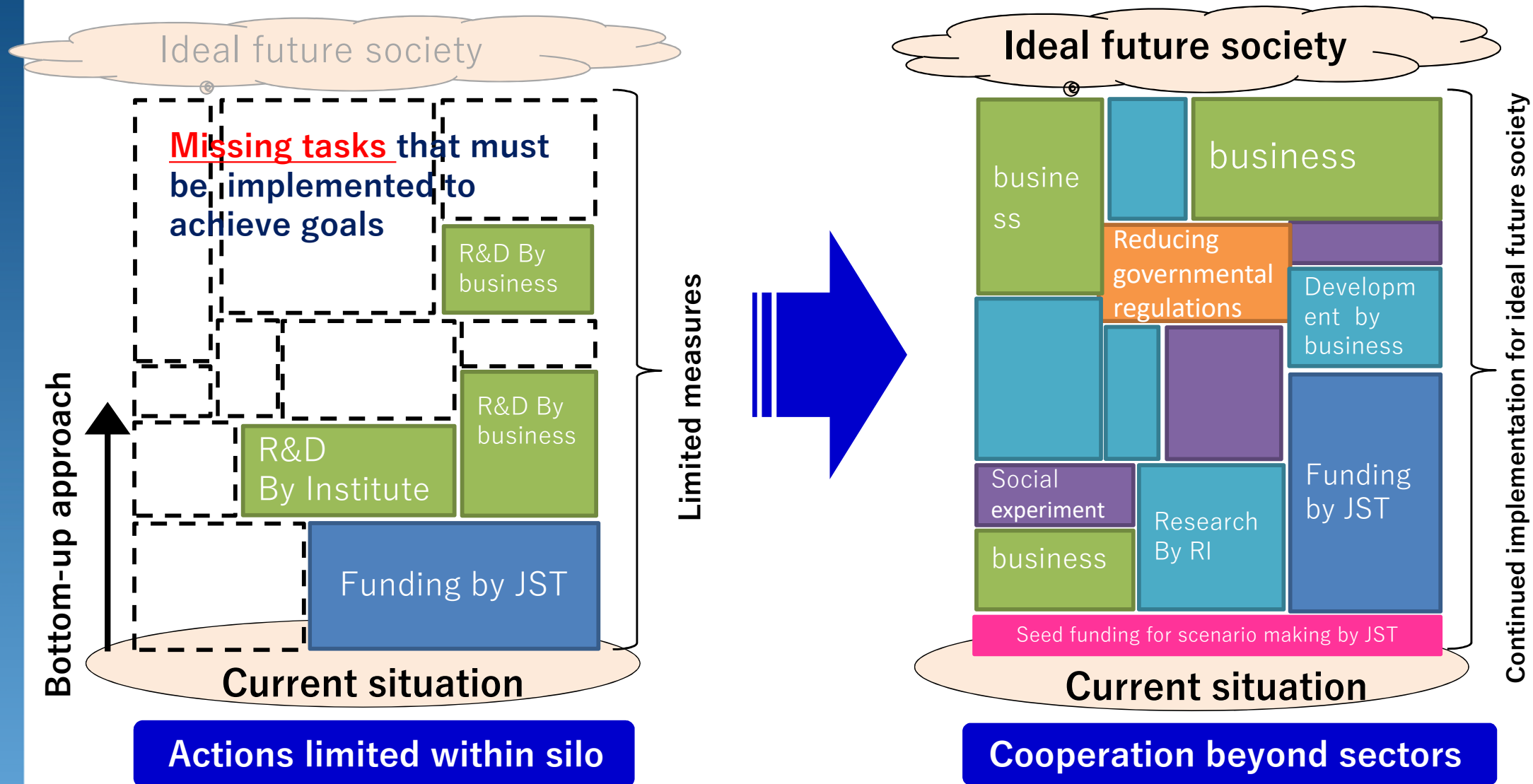
【Features】
1. Programs that promote "co-creation" to solve social issues
   - Sharing "co-creation" models
   - Various programs for attaining SDGs
   - Symposiums to talk about the future society with the next-generations

2. Encourage young people's participation

3. Hearing voices of citizens about social expectation and issues toward science and technology

120 programs—everyone can participate

The programs consist of dialogues with scientists, symposiums, workshops, and exhibitions, including booths and sessions.

Why 'co-design/co-creation' ?

Left diagram:

Ideal future society

Missing tasks that must be implemented to achieve goals

- R&D By business
- R&D By business
- R&D By Institute
- Funding by JST

Bottom-up approach

Limited measures

Current situation

Actions limited within silo

Right diagram:

Ideal future society

- business
- business
- Reducing governmental regulations
- Development by business
- Social experiment
- Research By RI
- Funding by JST
- business
- Seed funding for scenario making by JST

Continued implementation for ideal future society

Current situation

Cooperation beyond sectors

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JST's Activities for "Co-creation"

1. Science Agora

2. Activities

JST-Mirai Project

Center of Innovation (COI)

Research Institute of Science and Technology for Society

Science and Technology Research Partnership for Sustainable Development

3. STI for SDGs

① Promoting public awareness and education
（SDGs for All, STI for All）

② Implementing programs that contribute to the achievement of the SDGs
（STI for SDGs）

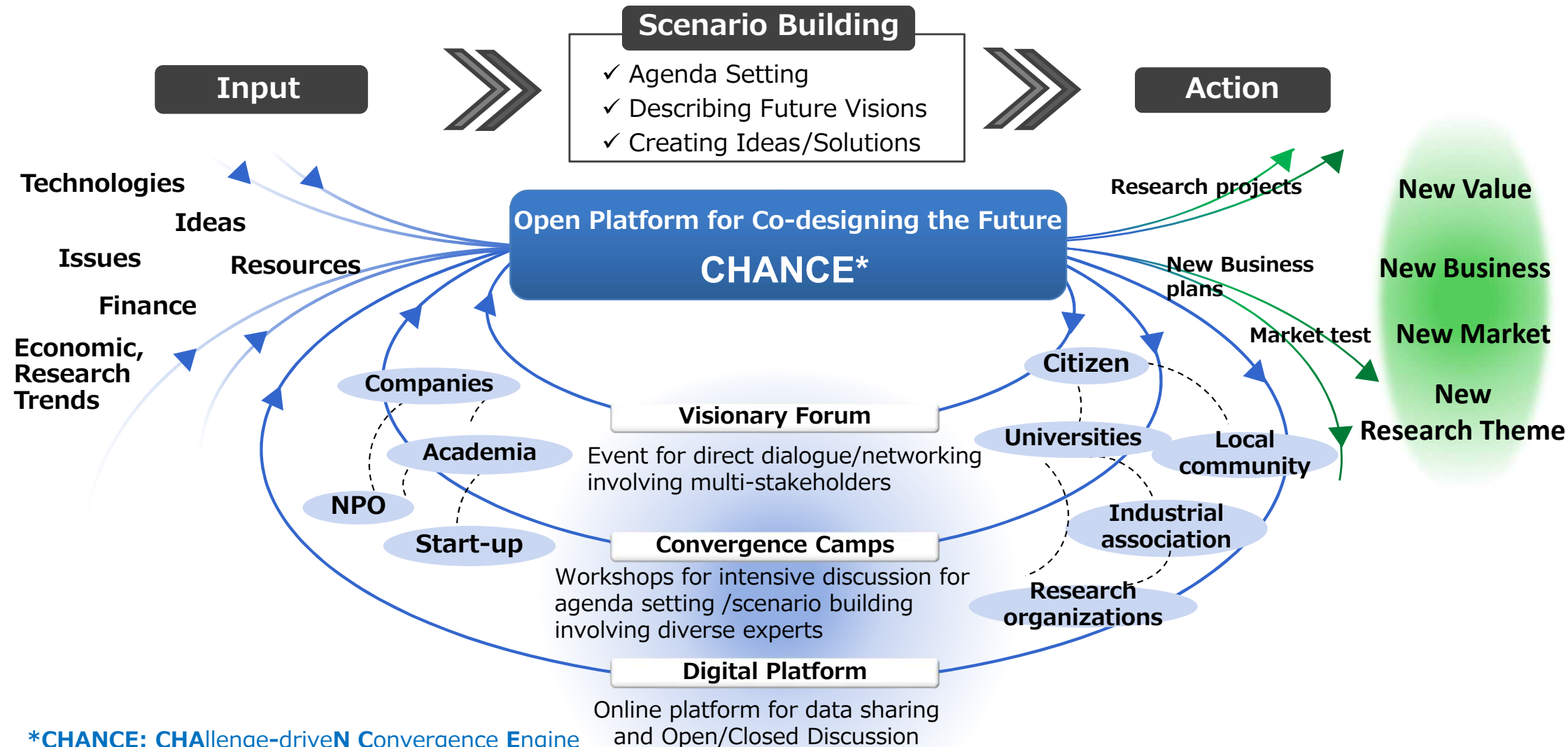③ Promoting our operations that incorporated the views of the SDGs
（SDGs for STI）

4. Designing future society—Open Platform (CHANCE)

The 'CHANCE' Initiative
Open Platform for Co-designing the Future Society
Key Concept: "Co-design & realize a sustainable future society with multi-stakeholders"

- A co-design framework involving diverse multi-stakeholders (Academia, Public/Private Sector, NPOs…)
- Breaking "Silos" and introducing convergence* & diversity into innovation ecosystem
- Accelerating continuous creation of innovation/solution to address societal issues for the sustainable future

Scenario Building
- ✓ Agenda Setting
- ✓ Describing Future Visions
- ✓ Creating Ideas/Solutions

Input

Action

Technologies
Ideas
Issues
Resources
Finance
Economic, Research Trends

Open Platform for Co-designing the Future
CHANCE*

Research projects
New Business plans
Market test

New Value
New Business
New Market
New Research Theme

Companies
Academia
NPO
Start-up

Citizen
Universities
Local community
Industrial association
Research organizations

Visionary Forum
Event for direct dialogue/networking involving multi-stakeholders

Convergence Camps
Workshops for intensive discussion for agenda setting /scenario building involving diverse experts

Digital Platform
Online platform for data sharing and Open/Closed Discussion

***CHANCE: CHA**llenge-drive**N C**onvergence **E**ngine

***Convergence: Creating NOVEL ideas by integrating various knowledge given by diverse stakeholders**

Declaration of the Budapest
World Conference on Science in 1999

Science holds four responsibilities;

Science for knowledge; knowledge for progress

Science for peace

Science for development

Science in society and science for society

The World Science Forum

- The main theme of 2017

Science for Peace

- The main theme of 2019

Ethics and Responsibility of Science

SDG Index & Dashboard

- **The SDG Index and Dashboards Report** has been produced annually since 2016 by the Bertelsmann Stiftung and the Sustainable Development Solutions Network (SDSN).
- It ranked countries by the progress toward achieving the SDGs based on the detailed analysis of data.

<Japan's results by the SDG Index & Dashboard>

http://www.sdgindex.org/
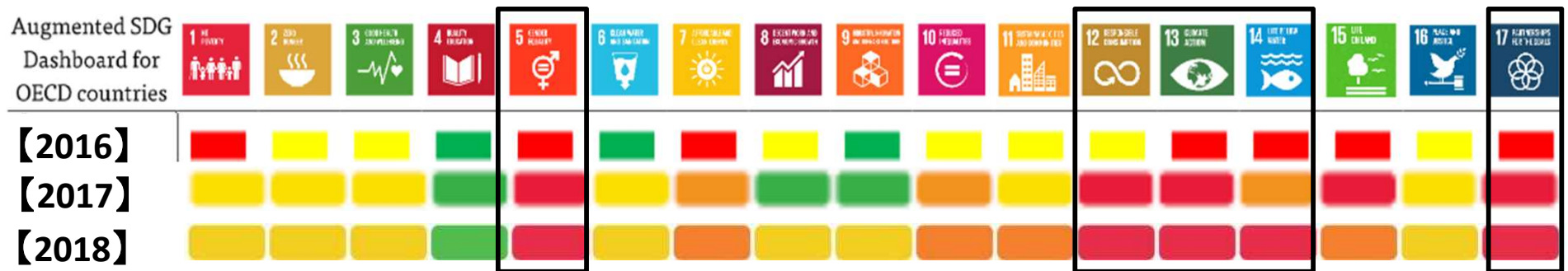
*Green: Already achieved
 Yellow / Orange: Critical status
 Red: Very far from achieving a goal

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SDG Index & Dashboards 2018

←The world ranking of attainability of SDGs (100 pts)

→17 goals of the SDGs (among OECD members)

Rank	Country	Score
1	Sweden	85.0
2	Denmark	84.6
3	Finland	83.0
4	Germany	82.3
5	France	81.2
6	Norway	81.2
7	Switzerland	80.1
8	Slovenia	80.0
9	Austria	80.0
10	Iceland	79.7
11	Netherlands	79.5
12	Belgium	79.0
13	Czech Republic	78.7
14	United Kingdom	78.7
15	Japan	78.5
16	Estonia	78.3
17	New Zealand	77.9
18	Ireland	77.5
19	Korea, Rep.	77.4
20	Canada	76.8
21	Croatia	76.5
22	Luxembourg	76.1
23	Belarus	76.0
24	Slovak Republic	75.6
25	Spain	75.4

Source: Authors' analysis

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Keynote Lecture

ANA's endeavor to connect all 7.5 billion people beyond all

—A global initiative that is not restricted to just one company—

Beyond the boundaries of its air transportation business, ANA took up an initiative: Avatar Project, to create new value in fields such as welfare, disaster prevention, etc.
The members of the project will introduce this unique initiative that collaborates with diverse stakeholders across the world.

Yoshiaki Tsuda
Vice President, ANA Digital Design Lab, ANA HOLDINGS INC.

Akira Fukabori/ Kevin Kajitani
AVATAR Program Director, ANA Digital Design Lab, ANA HOLDINGS INC.

Date: 13:30-14:30, November 9 (Fri), 2018
Venue: Miraikan Hall, 7F, Miraikan
Program No. 102

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Keynote Session

Expectation for co-creative activities towards and beyond achievement of SDGs

This session explores what value Japanese R&D and industries will provide to the international community going forward, with a view to the attainment of the SDGs and the prosperity of our society.

Date: November 9th(Fri), 2018
          14:45-16:15
Venue: Miraikan Hall, 7F, Miraikan
Program No. 103

Presenters

Taro Komatsu
Professor, the Department of Education in the Faculty of Human Sciences /Director, the Center for Global Education and Discovery at Sophia

Hideyo Kunieda
Senior Fellow of Japan Science and Technology Agency(JST)

Akira Fukabori
AVATAR Program Director, ANA Digital Design Lab, ANA HOLDINGS INC.

Kay Firth-Butterfield
Head, Artificial Intelligence and Machine Learning, World Economic Forum LLC

Hank Kune
Founding Partner of the Future Center Alliance(FCA)

Martha Russell
Executive Director of mediaX at Stanford University and Senior Research Scholar at the H-STAR Institute

Moderator

Shoji Komai
Associate Professor, Nara Institute of Science and Technology

Michiel Kolman
Senior Vice President-Information Industry Relations And President International Publishers Association Diversity and