

# Outline of the Program on Open Innovation Platforms for Industry-academia Co-creation (COI-NEXT)

While anticipating the with-COVID/post-COVID era, we cite a vision of the society to be aimed for in the future in line with the United Nations' Sustainable Development Goals (SDGs) as a "centers of excellence vision" (a "regional center vision" with regard to the regional co-creation area), and will promote this as a package towards attaining R&D contributing to innovation, using backcasting,\* and the construction of an industry-academia collaboration management system enabling independent and continuous center creation.

Through these efforts the formation of industry-academia-government co-creation centers built on the individuality and strengths of universities and regions will be promoted, and as well as contributing to national growth and regional creation, transformation towards a knowledge-intensive society led by universities will be encouraged.

- 1** **People will change**  
Sharing a vision relating to SDGs and with-COVID/post-COVID era

Based on the impact of the COVID pandemic, a vision of the society to be aimed for in the future founded on the SDGs will be explored, and that vision shared with the leaders of participant organizations. National economic growth and regional revitalization, and the realization of a sustainable society in the with-COVID/post-COVID era will be aimed for.
- 2** **Universities will change**  
Development and management of a sustainable industry-academia-government co-creation system

A system (the industry-academia-government co-creation system) will be constructed for the **independent management of industry-academia-government** co-creation centers. Even after the project has been completed the representative organizations will serve at the core of continued management.
- 3** **Our society will change**  
Transformation of the social system based on scientific and technological innovation

**Backcasting from the vision** will be conducted and R&D targets and themes established. **By integrating varied resources from within and outside of organizations an optimal system** will be constructed, and R&D aimed at innovation creation will be implemented. The social implementation and social system transformation requisite for attaining the visions will be aimed for.

## Concept image of the program

### SUSTAINABLE DEVELOPMENT GOALS



### Sharing a vision for SDGs and with-COVID/post-COVID

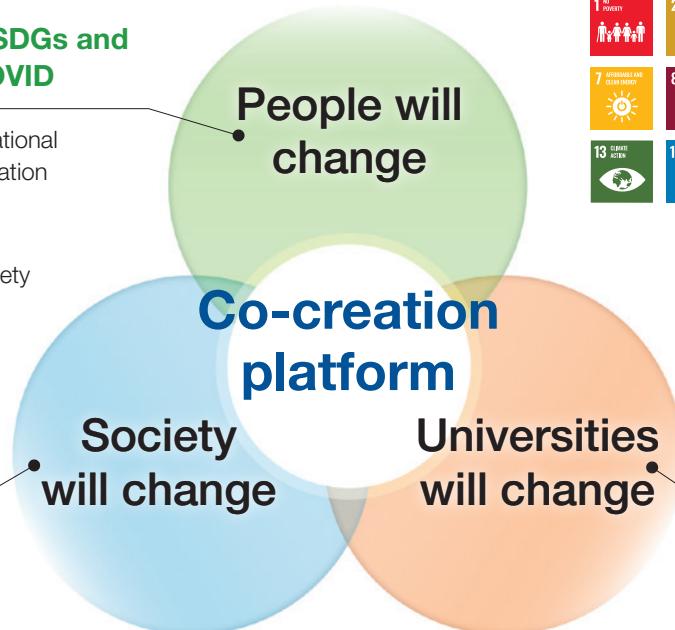
With-COVID/post-COVID national growth and regional revitalization



Achieving a sustainable society

### Promotion of joint research with companies etc.

Science, technology and innovation



### Construction of mechanism and system for independent management

Industry-academia-government co-creation system

\*Backcasting is a method to set, from the vision of the society to be aimed for and social needs, mainly the science and technology issues that should be worked on and formulate and promote implementation plans.

# Project (center) goals

## The two goals demanded of the project (ultimate goals)

### Goal 1

To achieve the targets that will become necessary in order to attain the center vision (creation of R&D results)

### Goal 2

To create an industry-academia-government co-creation system that enables continuous management towards achieving the center vision

Continuing after the completion of the full-scale project, the new targets and themes necessary for achieving the center vision will be pursued, and the activities of **independent centers equipped with an industry-academia-government co-creation system** promoted.

## Mechanisms to support the attainment of goals

### ① R&D management

- By the seventh year as a rule of thumb (five to seven years for the regional co-creation area) R&D themes in which proof of concept (PoC)<sup>\*1</sup> are foreseeable will be established and promoted.
- After attaining PoC too, and while placing external resources as the main body, industry-academia-government R&D aimed at attaining targets and initiatives towards social implementation of results will be continuously promoted.
- The allotment of JST commissioning funds within the project will be in line with the state of acquiring external resources, and it will be possible to allot them flexibly according to the implementation of new R&D themes and the acceleration of existing R&D themes.

### ② Mechanisms to make centers independent

- Construction of center management systems and functions in line with the Guidelines for Enhancing Industry-Academia-Government Collaboration Activities.<sup>\*2</sup>
- The commitment of the corporate bodies of universities etc. will be made a prerequisite, and initiatives aimed at creating independence promoted such as acquiring new external resources from private sector funding and so on.
- In the ninth and tenth year of the full-scale project, having made as a criterion the gradual reduction of amounts in a certain proportion of the commissioning funds, the JST (PO) will make an assessment based on the state of initiatives

\*1 Proof of concept (PoC) is the stage at which corporations etc. deem a project to be commercially viable. However, individual consideration will be paid to the PoC of university-led resolution of multiple corporations' common themes and themes aimed at standardization.

\*2 Guidelines for Enhancing Industry-Academia-Government Collaboration Activities (issued on November 30, 2016 by the Industry-Academia-Government Collaborative Roundtable Secretariat).

[https://www.mext.go.jp/component/a\\_menu/science/detail/\\_jcsFiles/afidfield/2016/12/27/1380912\\_02.pdf](https://www.mext.go.jp/component/a_menu/science/detail/_jcsFiles/afidfield/2016/12/27/1380912_02.pdf)

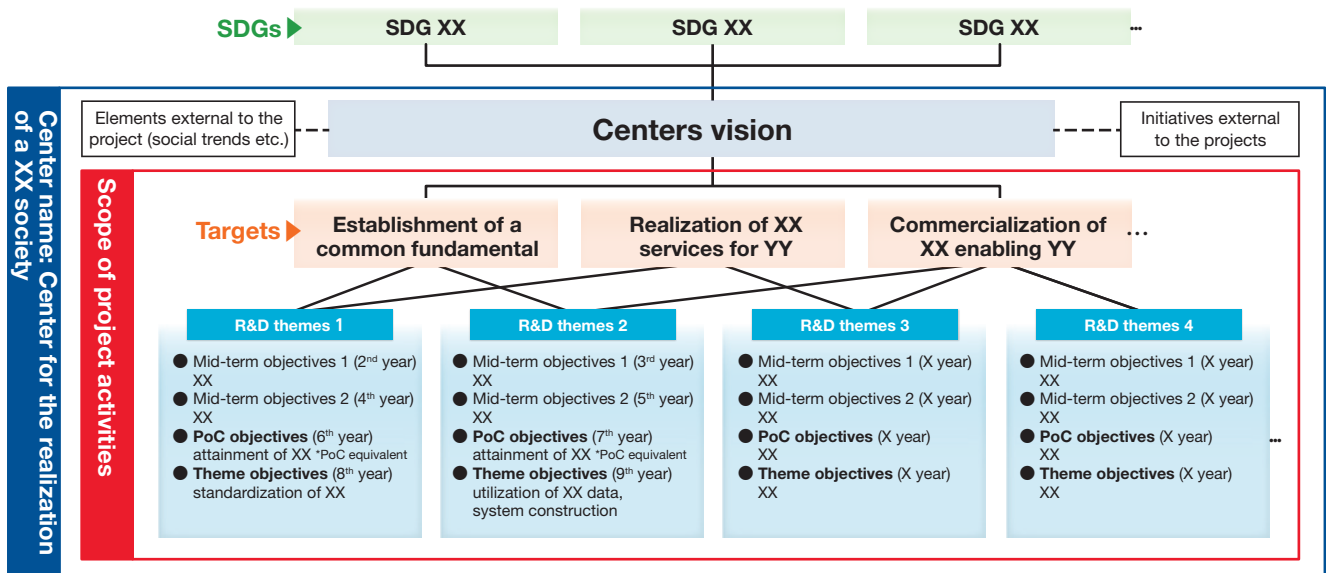
Guidelines for Enhancing Industry-Academia-Government Collaboration Activities (Supplemental Version issued by the Ministry of Education, Culture, Sports, Science and Technology and the Ministry of Economy, Trade and Industry on June 30, 2020).

[https://www.mext.go.jp/content/20200630-mxt\\_sanchi01-000008194\\_01.pdf](https://www.mext.go.jp/content/20200630-mxt_sanchi01-000008194_01.pdf)

## Centers/project structure image

[In blue frame] Centers: Industry-academia-government co-creation centers that independently continue under the project vision **after this program has been completed**

[In red frame] Projects: **Those implemented under this program** among center activities



## Program structure

	Co-creation area	Regional co-creation area	Policy-prioritized area
<b>Target research field</b> R&D restricted to the medical field are not eligible.	General science and technology	General science and technology	Quantum technology Environment and energy Bio
<b>Content</b>	With universities at the center, the formation of international-standard independent and sustainable industry-academia-government co-creation centers, which are generated from the results based on universities' individualities and strengths, and the creation of international-standard independent and continuous industry-academia-government co-creation centers	With regional universities at the center, the formation of independent and sustainable industry-academia-government co-creation centers through partnerships with regional government and companies aimed at solving social issues and developing regional economies.	With universities at the center, the generation of results based on the government's area strategies, and the creation of independent and sustainable co-creation centers that are well-known and highly evaluated overseas
<b>Commission expenses</b> *Including indirect costs	<b>Fostering type:</b> 25 million yen per year/center <b>Full-scale type:</b> Maximum of 320 million yen per year/center	<b>Fostering type:</b> 25 million yen per year/center <b>Full-scale type:</b> Maximum of 200 million yen per year/center	Expenses will be set for each policy-prioritized area
<b>Implementation periods</b>	<b>Fostering type:</b> Maximum of two years <b>Full-scale type:</b> Maximum of 10 years	<b>Fostering type:</b> Maximum of two years <b>Full-scale type:</b> Maximum of 10 years	<b>Full-scale type:</b> Maximum of 10 years

## The program on open innovation platforms for industry-academia co-creation website

### ● Press releases, notices, information on events

HOME

The Home page provides details of press releases, notices, information on events and updates to the website.

### ● Project outline

HOME > Projects

The Projects pages provide a list of the projects that have been adopted. You can see outlines of the projects at each individual link.

### ● Calls for proposals information

HOME > Calls for proposals information

The Calls for proposals information pages provide outlines of calls for proposals, and information on calls for proposals explanation meetings etc. In addition, it is possible to download material used at calls for proposals explanation meetings, application guidelines and documents related to proposals.

The website can be accessed here (as of January 2023 it is only available in the Japanese language):

<https://www.jst.go.jp/pf/platform/>

The program on open innovation platform for industry-academia co-creation

Search



# Management setup of the program

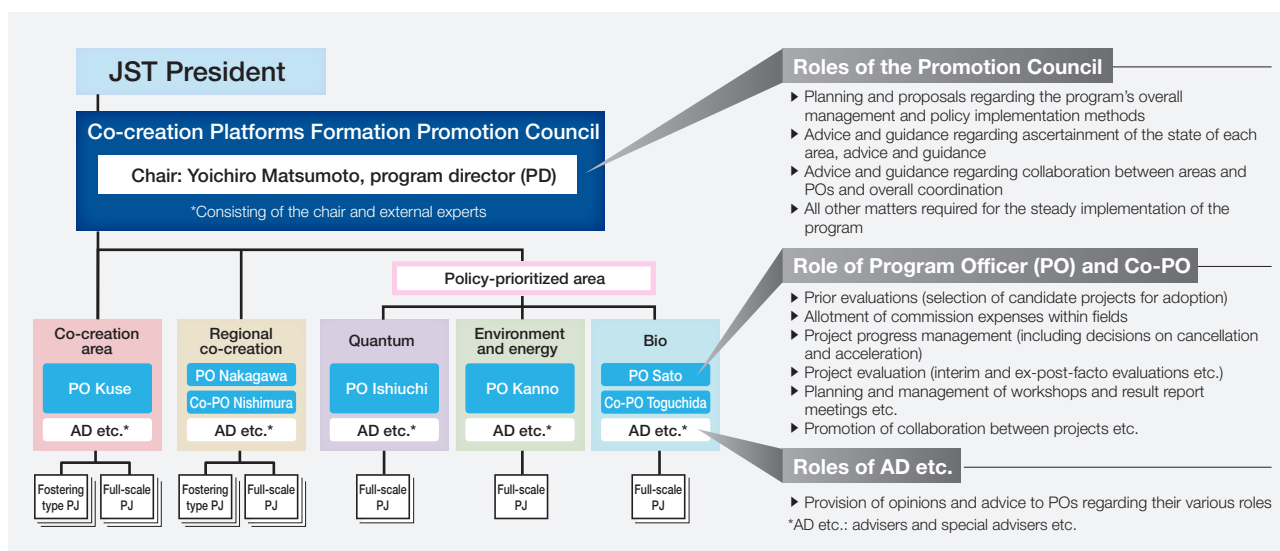
## Management setup of the program/program director (PD)/program officers (PO)



Yoichiro Matsumoto (Chair/PD)

Under the program, the Co-creation Platforms Formation Promotion Council chaired by the program director (PD) and consisting of external experts responsible for the functions of planning and proposals regarding the program's overall management and policy implementation methods, ascertainment of the state of each area, advice and guidance, collaboration between areas and overall coordination.

The program officers (PO) in each area receive support from advisers (AD) who are industry-academia-government external experts and specialists, and manage the progress of the project through various project evaluations, the allotment of commission expenses within each area, annual site visits and interviews at the centers.



## Members of the Co-creation Platforms Formation Promotion Council

As of June 2022

	Name	Affiliation
Chair/PD	Yoichiro Matsumoto	Professor Emeritus, University of Tokyo
Adviser	Nobuaki Kato	Former president & CEO of Denso Corporation
Adviser	Hiroshi Komiyama	President of Mitsubishi Research Institute Inc.
Member	Maki Kawai	President of the National Institute of Natural Sciences
Member	Satoshi Koike	President & CEO of Vegetalia Inc.
Member	Ryo Sudo	Executive fellow of Toshiba Corporation
Member	Yuzuru Matsuda	Honorary president of the Kato Memorial Bioscience Foundation
Member	Masaaki Mizuno	Professor, Tokai National Higher Education and Research System, Nagoya University Hospital
Member	Hiroto Yasuura	Director-general, Fukuoka Asian Urban Research Center
Expert member (in charge of environment and energy)	Munehisa Ikoma	Former fellow of Panasonic Holdings Corporation
Expert member (in charge of bio)	Takuko Sawada	Executive Vice-President and Senior Vice-President of Healthcare Strategy Division, Shionogi & Co., Ltd.
Expert member (in charge of quantum technology)	Yoshihito Hirano	Technical Adviser, Semiconductor & Device Group, Mitsubishi. Electric Corporation