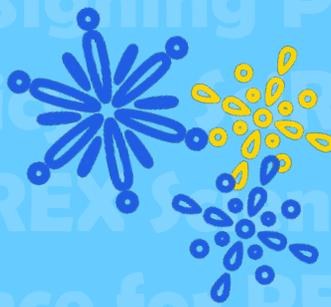

SciREX *Summer Camp* *2017*

**Making Scenario for 2030:
Interdisciplinary Collaboration for Future
Science, Technology, & Innovation Policies**

Date: 20 August 2017 ~ 22 August 2017

Venue: National Graduate Institute for Policy Studies (GRIPS)



1. Date

From Sunday, 20 August, to Tuesday, 22 August, 2017

2. Venue

★National Graduate Institute for
Policy Studies (GRIPS)

7-22-1, Roppongi, Minato-ku, Tokyo

★Accommodation:

Hotel Asia Center of Japan

8-10-32 , Akasaka, Minato-ku, Tokyo



3. Language

★Plenary sessions

Japanese with simultaneous translation into English

★Group works

Japanese or English (Several groups are entirely in Japanese)

4. Objective

Making Scenario for 2030:

Interdisciplinary Collaboration for Future Science, Technology, & Innovation Policies

The SciREX Summer Camp 2017 provides an opportunity for practical learning experiences to draw future visions and designs towards 2030 and build evidence-based policies.

Tokyo will host the Olympics in 2020. However, it is only a passage point towards a distant future. Discussions are underway as to what to reserve as a legacy after the event, and inter-ministry and inter-industry efforts are being made to ensure that the strategy is followed. What we need now is to depict and share the future visions and paths towards/beyond 2020 and to design and implement evidence-based policies.

This year's SciREX Summer Camp will discuss future visions towards 2030, while keeping the Olympic year 2020 in mind as a significant milestone, to learn the importance of having alternative scenarios with long-term and wider perspectives while determining policies. After the plenary session, the issue-specific and methodology-learning group works are scheduled. In group works, participants from multiple disciplines and backgrounds will gather together to identify core policy issues and propose creative and innovative policy options based on available evidence and interviews with decision makers and other key stakeholders. Groups will present these proposals to decision makers and practitioners in the final presentation session.

What you can gain:

- A network comprising students and faculty members of the SciREX education program (from six universities)
- Knowledge about the importance of having wider perspectives in understanding the complexities of science, technology, and innovation (STI) and its relationship with society through discussions with participants from various disciplines and backgrounds
- Practical learning experiences by proposing creative but concrete policy options, based on available evidence, and by other methods including interviews and field visits

5. Group work

<Issue-oriented groups>

A. Building next-generation STI human resources

1. Developing globalized human resources through inter-ministry coordination [Japanese/English]
2. Making policies for universities to develop STI human resources [Japanese]

B. Preparing for a technology-driven society

1. Social implication of artificial intelligence (AI): what are the Ethical, Legal, and Social Issues (ELSI)? [Japanese]

C. Designing sustainable cities

1. Building a resilient society using science and technology (S&T) for disaster risk reduction [Japanese/English]
2. Developing smart cities by 2030 through S&T [Japanese]

D. Improving quality of health and medicine through S&T

1. Data-driven medicine: changing the nature of medicine through technological innovation [Japanese]
2. Promoting evidence-based sports and preventive care [Japanese/English]

E. Media and the public

1. Future broadcasting and television in 2030 [Japanese]

<Methodology-learning groups>

F. Theory and practice of scenario planning [Japanese/English]

G. Big data analytics: visualizing the present and future by linking STI data [Japanese]

* Pre study (ex. readings) will be assigned before the summer camp.

*Groups are tentative and subject to change.

Abstract of each group (tentative)

A.1. Developing globalized human resources through inter-ministry coordination

Governments and higher education institutions have been accelerating human resource development to promote STI with a global perspective. These promotions cover a wide range of policies, from national regulations to institutional policies and from immigration policies to study abroad programmes. Such policies often confront the complexities of global human resource development through international competitions, employment opportunities, budgeting, and research and education activities. When we consider the 2030s, what kind of policies should the Japanese government implement? Through some interview surveys for policy designers in government offices, our group will propose a policy for STI human resource development.

Abstract of each group (tentative)

C.1. Building a resilient society using S&T for disaster risk reduction

Japan, one of the nations that experiences several calamities, has developed new S&T for the prevention of disasters or the reduction of damage from disasters. However, this development sometimes neglects the future society, in which the population would have decreased, the percentage of the aged would have highly increased, and urban infrastructures would have become decrepit. In this group, we will discuss Japan's international role in the implementation and diffusion of disaster-risk reduction technologies, considering the unpredictable mega earthquakes and the unexpected natural disasters caused by climate change.

Abstract of each group (tentative)

D.2.Promoting evidence-based sports and preventive care

This group surveys the relationship between sports and STI and predicts the future of these interactions. Discussion topics cover the impact of new scientific and technological achievements in sport and the application of big data analysis as a professional business for the improvement of physical performance, strategy planning, and profitability. We also debate a policy design to improve health awareness and reduce healthcare expenditure, related to making a positive impact during the Tokyo 2020 Olympic and Paralympic Games. Furthermore, we determine whether popular health-promoting behaviours are based on concrete evidence and present the method of promoting evidence-based study and its implementation.

F. Theory and practice of scenario planning

This group applies the methodology of scenario planning to the themes of the Summer Camp, 'Making Scenario for 2030: Interdisciplinary Collaboration for Future Science, Technology, & Innovation Policies'. If you would like to join this group, you may need to agree with the following:

1. The future is on a discontinued path from the present, and we cannot 'predict' the future easily.
2. Nevertheless, we sometimes want to depict 'the future which we would want to see'. We call this a 'vision'. However, we should know 'who' wants to see 'what type of 'visions'. Visions could be depicted and proposed officially and unofficially from different angles and perspectives, which are often competing. However, no single vision and associated policy package can be considered greater than others.
3. We need to question the idea of the 'evidence-based' approach to make policies for setting and achieving 'visions'. At the present moment, no data or statistics can reveal the details of our future. What kinds of evidence could tell us of the unforeseeable future? Can we find these?

Scenario planning is a practical methodology that deals with questions regarding how we need to act towards the future with so much uncertainty.

This group may not be for students who wish to become policymaking technocrats or policy analysts. However, this may be suitable to people who want to 'act' to make the world better and who will accept all uncertainties in foreseeing the future and all conflicts in the transition process, with the aim of solving them (someone who wishes to become a decision maker such as a corporate executive or a prime minister).

6. Timetable (tentative)

	Sunday, 20 August	Monday, 21 August		Tuesday, 22 August
AM		Breakfast 【Hotel】		Breakfast 【Hotel】
		9:00 Meeting point 【Lecture Room L, Fifth floor】		9:00 Meeting 【Lecture Room L, Fifth floor】 9:00-10:00 <i>Group work V</i>
		9:00-14:00 <i>Group work II</i> (Field visits, interviews, workshops, etc., depending on your group)		Preparation for final presentation
PM	-13:00 Reception 【Lecture Room L, Fifth floor】 *Lunch will not be provided	*Lunch will not be provided		10:00-13:30 <i>Final presentation session</i> 【Lecture Room L, Fifth floor】
	13:00-13:15 <i>Opening remarks</i>			
	13:15-14:15 <i>Introductory session</i>			13:30-15:00 <i>Closing</i> 【Lecture Room L, Fifth floor】
	Introductions of participants and the camp	14:00-16:30 <i>Group work III</i> 【Lecture Room L, Fifth floor】	14:00-16:30 Faculties gathering 【Lecture Room L, Fifth floor】	Overview of the camp, awards ceremony, and closing remarks
	14:15-16:30 <i>Lectures from policy makers and researchers</i>	Preparation for intermediate presentation		
	16:30-17:00 Break	16:30-18:30 <i>Intermediate presentation session</i> 【Lecture Room L&K, Fifth floor】		
	17:00-18:30 <i>Group work I</i>			
Evening	18:30-20:30 <i>Welcome reception</i> 【Cafeteria, 1st floor】	18:30-20:00 <i>Dinner</i>		
	Poster session	*Dinner will be provided		
	20:30 Adjourn	20:00-21:30 <i>Group work IV</i> Preparation for final presentation 21:30 Adjourn		

* Details are subject to change.

7. Welcome reception and meals

- A welcome reception will be held from 18:30 on 20 August at the cafeteria, 1st floor, GRIPS
- Breakfast (buffet) will be provided on 21 and 22 August at the lobby of the hotel
- Lunch on 21 August will not be provided by the organizer.
- Dinner on 21 August and Lunch on 22 August will be provided by the organizer

8. Expenses

【Accommodation (breakfast included)】

Faculty (single use): 9,500JPY per night (tax and charges included)

Student (room for three): ~~5,000JPY per night (tax and charges included)~~

→ Accommodation expenses will be provided by the University of Tokyo.

【Welcome reception】

Faculty: 5,000JPY (tax included)

Student: 2,000JPY (tax included)