

# SciREX Summer Camp 2019

## Application Guide

### (GIST)

GRIPS STI Program (GIST)

#### 1. Background:

The **Science for RE-designing Science, Technology Innovation Policy (SciREX)** program has been promoting research and training of international standard. The program trains such personnel who will be involved in evidence-based policymaking, lead the new research area of Science for Science, Technology and innovation (STI) Policy, connect policy and research, and promote basic research in relevant fields. The program established its center at the National Graduate Institute for Policy Studies (GRIPS) in 2014, having core centers at the University of Tokyo, Hitotsubashi University, Osaka/Kyoto Universities, and Kyushu University.

#### 2. Purpose:

- For the SciREX core center faculty, administrative members and students, SciREX program-related government officials, and students from non-SciREX core institutions with interest in STI policy to gather to learn about the meaning and diversity of “Science of Science Policy.”
- To establish networks through discussions in groups
- For the participants with a variety of background to experience the process of solving various issues surrounding STI and society through making policy proposals

#### 3. Theme of the 2019 Summer Camp: **STI Policy to Challenge**

STI policies can make many contributions to solving issues at various levels from large-scale societal issues that require international and individual engagements seen in environmental pollution, various gaps and disparities, through country issues such as local area vitalization, declining population, advancement of international research competitiveness, and local issues like disaster prevention. On the other hand, such issues are multifaceted and cannot be solved simply by the use and advancement of S&T. Also, one issue cannot always be solved by one policy. The Summer Camp 2019 will focus on the social issues we are now or will be confronting, see which ones could be solved by means of STI policy, and learn the importance of thinking policies from various viewpoints.

#### 4. Outline:

|                        |  |
|------------------------|--|
| Date                   | August 26, (Mon)-28 (Wed), 2019  |
| Venue                  | Graduate Institute for Policy Studies (GRIPS) :<br><a href="http://www.grips.ac.jp/en/about/access/">http://www.grips.ac.jp/en/about/access/</a>   |
| Lodging                | Hotel Asia Center of Japan : <a href="https://www.asiacenter.or.jp/eng/">https://www.asiacenter.or.jp/eng/</a>   |
| Language               | [Plenary session, group work, and final presentation]:<br>Translation service from Japanese to English (NOT from English to Japanese) will be provided<br>[Group Work]<br>The group work will be divided into Japanese language and English language groups. The group work in English will have an interpretation service from Japanese to English for site visits and interviews.<br>The applicants are required to specify whether s/he can join discussions in English or not. The information will be used for making groups. |
| Camp Participating Fee | The costs for lodging, transportation, and meals (except the party on the 1 <sup>st</sup> day and the lunch on the 2 <sup>nd</sup> day) will be paid by the SciREX Core Center university. The fee for the party on the 1 <sup>st</sup> day and the lunch on the 2 <sup>nd</sup> day will be borne by the participant.   |
| Party                  | Faculty members: Yen 4,000; Students: Yen 2,000<br>(All the participants are required to attend the party)<br>The fee should be paid at GRIPS on the very date.  |
| Registration           | <b>Fill in the registration form and mail it to <a href="mailto:scirex-center@grips.ac.jp">scirex-center@grips.ac.jp</a></b><br><b>APPLICATION PERIOD: June 11 (TUE) - June 26 (WED), 2019</b><br><b>The application will be reviewed by GIST. The result will be notified to the applicants by Friday, June 28, 2019. Please note that the grouping may not meet the request.</b>   |

## 5. Timetable

|                | August 26 (MON)   | August 27 (TUE)   |   | August 28 (WED)  |  |
|----------------|---|---|---|--|--|
| <b>AM</b>      | <b>10:00-12:00</b> Preliminary session*: 3x40-minutes lectures  | Breakfast @Asia Center restaurant   |   | Breakfast @Asia Center restaurant                                  |  |
|                |   | <b>09:00-14:00</b><br>Group work ② Site visits & discussions by group<br>Lunch by group (cost to be borne individually) |   | 09:00-11:00 Group work ④ To be prepared for the final presentation |  |
| <b>PM</b>      | <b>12:00-13:00</b> Registration   |   |   | <b>11:00-12:30</b> Final Presentation (1)<br>Room L                |  |
|                | <b>13:00-14:00</b> Opening & Orientation<br><br>Introduction of SciREX program, Group work, and evaluation of the group work              |   |   | <b>12:30-13:30</b> Box Lunch                                       |  |
|                | <b>14:00-14:15</b> Break  |   |   | <b>13:30-14:30</b> Final Presentation (2)<br>Room L                |  |
|                | <b>14:15-18:30 Room L</b><br>Group work ① including Icebreaking, interviews to the government administrative officers, and brain storming | <b>14:00-16:30</b><br>Group work ③<br>Draft interim report  | <b>14:00-16:30</b><br>SciREX-CRDS workshop<br>@Room K | <b>14:30-15:15</b><br>Comments, Awards, Photo taking               |  |
|                |   | <b>16:30-18:30</b> Interim reporting @Rooms H, I, J (5 <sup>th</sup> Fl)  |   | <b>15:15</b> Adjournment   |  |
| <b>Evening</b> | <b>18:30-20:00</b><br>Party @cafeteria  | <b>19:00-20:00</b> Box dinner to be provided  |   |  |  |
|                | <b>20:30-22:00</b> Free time  | <b>20:00-22:00</b> Free time  |   |  |  |

**\*Preliminary session:** Participation in the preliminary session is recommended, although not mandatory. The points of the Camp will be presented during the session, including: Why does innovation occur? What are the issues of STI risk management and governance? Present status and issues of the STI policy assessment.

## 6. Group Topics

| Topic     | Data use in administrative organizations and diversity  |
|-----------|---|
| Outline   | Administrative organizations use more and more data these days. However, the data that look to be objective tend to reflect the distortion of the society. For example, when viewed from gender and ethnicity, the statistical data show various serious societal issues. This project will try to solve such issues by communicating with the government officials who daily deal with these data. |
| Key words | Policy, data use, information technology, diversity   |
| Language  | Japanese  |

| Topic     | STI analyses based on data   |
|-----------|--|
| Outline   | To experience establishment of a data-driven strategy through making a proposal for the future prospect of a specific science field based on the analyses of the data on the field. To analyze the comprehensive data including Kakenhi fund, papers, and patents, and establish a strategy based on the results. The detailed topic will be set up by the participants. |
| Key words | Data analysis  |
| Language  | Japanese   |

| Topic     | Identifying the ELSI and governance issues for bio-economy to realize SDGs   |
|-----------|--|
| Outline   | “Bio-economy” that is highlighted worldwide as the new industrial economy tries not only to promote economic growth, but also solve global issues including climate change, environmental issues, and food problems. To pursue this, governance on safety security as well as ethical, legal and societal issues is essential. This groups will study the “Bio Strategy” that is under discussion at the Council for STI Policy (CSTI) and the “Smart Cell Industry” by the Ministry of Economy, Trade and Industry (METI), and discuss the policy issues on the governance in this field. |
| Key words | Biotechnology, governance, ELSI, RRI   |
| Language  | Japanese   |

| Topic   | Translational research that connects basic research and clinical medicine  |
|---------|--|
| Outline | There are some fields that require policy-based translation between the basic research and clinical medicine. This group will study the current status of the Japanese translational research and discuss what kind of policy support is |

|           |  |
|-----------|--|
|           | required.                                      |
| Key words | Translational research, life science, medicine |
| Language  | Japanese                                       |

|              |   |
|--------------|---|
| <b>Topic</b> | <b>Access to medicine under Doha Declaration and TRIPS agreement</b>  |
| Outline      | Protection of intellectual property rights especially patents is an institutional tool to enhance research, development and innovation. However, it sometimes inhibits distribution of new products in a market. A typical case can be seen in the case of access to medicine in developing countries. What policy measure has been constructed to solve this issue? What should be done next? This group will discuss this issue in a context of international rule setting. |
| Key words    | Access to medicine, TRIPS Agreement, WTO, Doha Declaration  |
| Language     | English   |

|              |   |
|--------------|---|
| <b>Topic</b> | <b>Medical expenses in the aging era</b>  |
| Outline      | Along with the aging society, the medical costs are projected to drastically increase. To cope with this, the countermeasures would include a change of the economic burden to the insured to alter the reliance on and use of medical care. An increase of home care cases would also be helpful. This group will discuss possible sustainable medical systems in Japan. |
| Key words    | Declining population, aging, medical expenses, medical system, tax system   |
| Language     | Japanese  |

|              |   |
|--------------|---|
| <b>Topic</b> | <b>Local community formation to implement "Aging in Place"</b>  |
| Outline      | In the depopulated society caused by the declining population, a policy on "safe, independent and comfortable life in the place the aged are used to live (Aging in Place)" is called for. The group will discuss possible policies based on such ideas as sustainable community formation, establishment of centers that support Aging in Place, and active communication between generations. |
| Key words    | Declining population, aging, health welfare, community, inter-generation communication  |
| Language     | Japanese  |

|              |  |
|--------------|--|
| <b>Topic</b> | <b>Innovation and policy to solve the waste plastic issue</b>                      |
| Outline      | The picture of waste plastic stuck in a turtle's nose brought a shock all over the |

|           |  |
|-----------|--|
|           | <p>world. The pollution for the marine resources caused by waste plastic is a global issue. This has been tried to be solved by all the countries concerned in cooperation with the United Nations, which has ended not effective by now. This group will discuss solutions to this issue from the innovation and policy viewpoints.</p> |
| Key words | Waste plastic, environment, marine   |
| Language  | Japanese   |

|              |  |
|--------------|--|
| <b>Topic</b> | <b>Innovation in marine science in Society 5.0 era</b>   |
| Outline      | <p>The countermeasures for red tide began to be taken in 1970, but the Tokyo Bay has been seeing red tide every summer even now. It is critical to solve this issue as the Bay will be used for the 2020 Summer Olympic Games. A new marine observation platform based on the Cabinet Office's goal of Society 5.0 is expected to be realized. This group will visit the observation site, analyze the public data, and discuss introduction of new technologies and cooperation with the local residents, based on which the group will make a policy proposal.</p> |
| Key words    | Tokyo Bay, water quality, red tide, water quality regulation   |
| Language     | Japanese   |

|              |   |
|--------------|---|
| <b>Topic</b> | <b>To root out child abuse – What can STI do?</b>   |
| Outline      | <p>The Summer Camp-2018 took this topic and made a policy proposal. However, tragic cases have been continuing. In January 2019 a 4<sup>th</sup> grade girl died because of her father's abuse. In May 2019 the government proposed a bill to strengthen the countermeasures, which is expected to be enacted as soon as possible. This group will discuss what kind of proposal STI can make to solve this endlessly continuing issue, following up the proposal made in the Summer Camp-2018.</p> |
| Key words    | Child abuse, infant abuse, child abuse prevention law, neglect, death by abuse  |
| Language     | Japanese  |