



Delegation of the European Union  
欧州連合代表部

# OPEN LECTURES

Science, Innovation, Digital, and Other EU Policies Section



**22 February 2023**

**Cabinet Office reported the 3<sup>rd</sup> generation of Cross-ministerial Strategic Innovation Promotion Program (SIP)**

On February 22<sup>nd</sup>, Mr. Kenji Ueki explained the outline of the 3<sup>rd</sup> generation of SIP to the Science and Technology Counselors of EU member states embassies in Japan.

He mentioned that 14 programs were determined by backcasting from Society 5.0 in the 3<sup>rd</sup> generation of SIP, which will be started in FY2023.

Theme setting, evaluation, and budget allocation in these programs will be carried out based on an agile development model for transformative innovation.

In addition, he explained that these programs will be promoted as initiatives in collaboration with ministries and industries from five perspectives (technology, business, governance, social acceptance, and human resources) for social implementation.





**25 January 2023**

**Ms Signe Ratso, Acting Director-General for Research and Innovation and Chief Negotiator for Association to Horizon Europe, European Commission gave a lecture to Science Counsellors**

Signe Ratso, the European Commission's Acting Director-General for Research and Innovation, visited Tokyo from 24 to 27 January 2023 to discuss the possible association of Japan to Horizon Europe, the key funding programme of the European Union (EU), with relevant Japanese ministries, funding agencies and research entities.

During her visit, she gave a presentation to the Science and Technology Counsellors of the European Union (EU) and the Associate Countries to Horizon Europe at the Delegation of the European Union in Tokyo.

She stressed a need to accelerate the twin green and digital transitions and underlined an important role of research, education, and innovation. The Horizon Europe Missions bring together investments and actions in the areas of fighting cancer, adapting to climate change, protecting the oceans, seas and waters, living in greener cities and ensuring healthy soil and food. European Partnerships bring together the European Commission and private and/or public partners together to address some of Europe's most pressing challenges through concerted R&I initiatives.





**14 December 2022**

### **SCARDA President Hamaguchi presents overview of his entity**

On 14 December, Dr Michinari Hamaguchi, President of the Strategic Center of Biomedical Advanced Vaccine Research and Development for Preparedness and Response (SCARDA), gave a presentation to the Science and Technology Counsellors of the European Union (EU) and the Associate Countries to Horizon Europe.

His lecture focused on the work and role of SCARDA, the new organisation established in March 2022 that has been promoting projects for R&D into vaccines as well as the formation of world-leading R&D centres.

Dr Hamaguchi explained that the issue lies in the fact that there are so many pathogens pathogenic to humans that it is extremely difficult to predict which one might trigger the next pandemic. He emphasised that it was impossible for a single country to be prepared for the next pandemic, and that such preparedness requires international cooperation and task-sharing.





20 May 2022

## Defence Technology Foundation briefs EU diplomats on advanced dual-use technologies

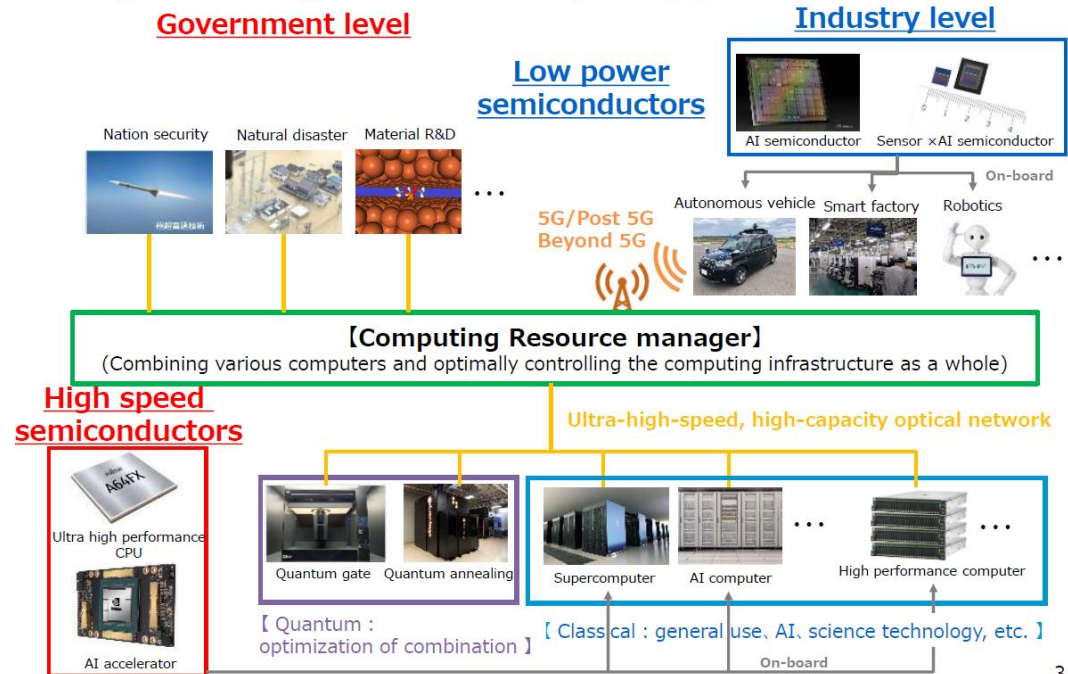
On 20 May, Dr Hideaki Watanabe, advisor of the Defense Technology Foundation (DTF), gave a presentation to the Science and Technology Counsellors of the European Union (EU) and its Member States on the foundation's activities and its domestic and international role. He also discussed the development of dual-use defence technology and outlined possible opportunities for international collaboration.



22 April 2022

**METI briefs EU diplomats on the promotion of semiconductors in Japan**

On 22 April, Mr Kazumi Nishikawa, director of the IT Industry Division at the Ministry of Economy, Trade and Industry gave a presentation to the Science and Technology Counsellors of the European Union (EU) and its Member States on the promotion of semiconductors in Japan. He provided information on the new facility to be set up by Taiwan Semiconductor Manufacturing Co. (TSMC) and other companies that are interested in the scheme. In addition, he spoke of how new technologies, including semiconductors, could be funded under a future Economic Security Law.

**Image of next generation computing platform**

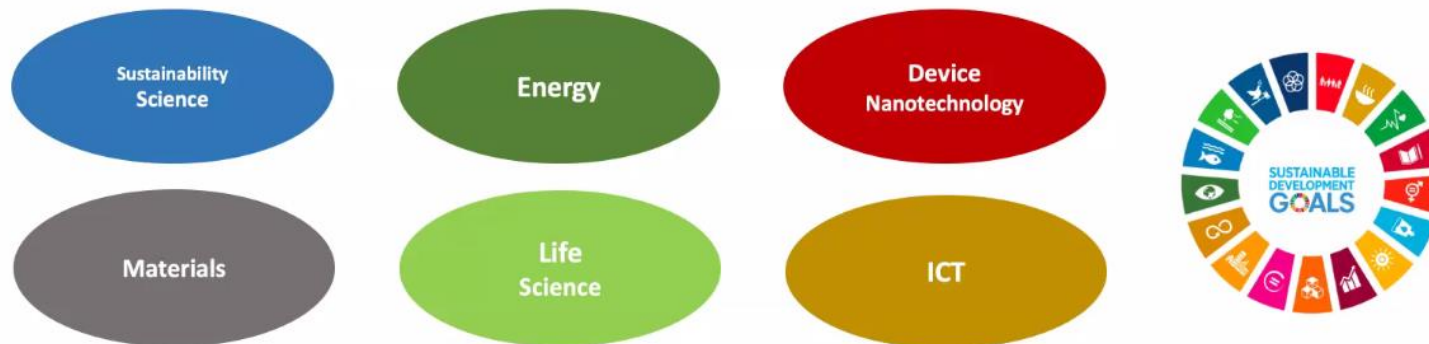


25 March 2022

### JST briefed on the EIG Concert-Japan program

On 25 March, Oscar A. Rudenstam, programme coordinator at the Japan Science and Technology Agency (JST), gave an online presentation to the Science and Technology Counsellors of the European Union, its Member States and other diplomats on the European Interest Group (EIG) Concert-Japan. Thirteen science, technology and innovation funding agencies from 11 European countries and Japan have been partnering to further research collaboration and exchange under EIG Concert-Japan since 2019. Through the sharing of policy knowledge, research exchange, network building and joint funding calls, the programme supports Japanese-European research collaboration in a variety of fields.

#### CORE RESEARCH FOCUS AREAS



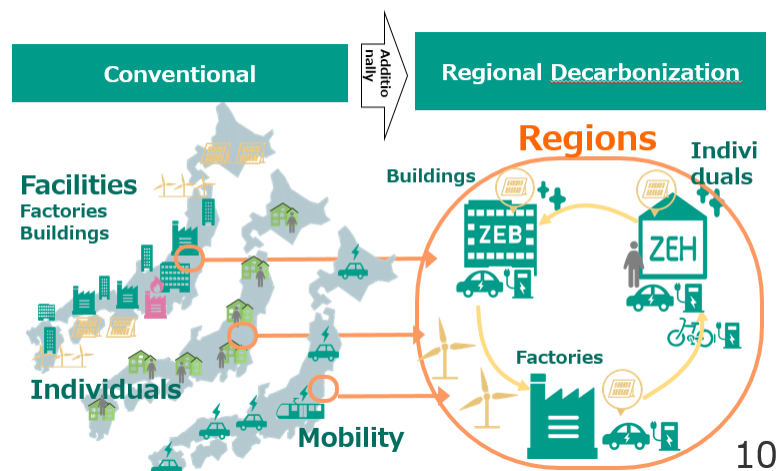


25 February 2022

## Diplomats briefed on Japan's initiative to reduce emissions by 2030

On 25 February, Mr Satoru Iino, Deputy Director of the Environment Ministry's Office of Senior Coordinator for Local Decarbonization Policy, gave an online presentation to the Science and Technology Counsellors of the European Union and its Member States and other diplomats about Japan's initiative to reduce greenhouse gas emissions to virtually zero in 100 model areas by 2030. A regional decarbonisation roadmap that includes the above target was adopted in summer last year. Mr Iino informed about the status of this initiative, the next steps/implementation and possible opportunities for international collaboration in areas such as energy efficiency, renewables, smart cities and beyond research.

Presentation materials: [https://eeas.europa.eu/system/files/02\\_25\\_regional\\_decarbonization\\_policies\\_moe\\_0.pdf](https://eeas.europa.eu/system/files/02_25_regional_decarbonization_policies_moe_0.pdf)







21 January 2022

## **JAXA and the University of Tokyo spoke about Japan's space activities**

On 21 January, the National Space Policy Secretariat of the Cabinet Office arranged a series of online lectures by Mr. Yoshikazu Shoji from JAXA and Mr. Shinichi Nakasuka from the University of Tokyo for EU Science and Technology Counsellors and European and Japanese contacts who are involved in science, technology and innovation. In the lecture, the presenters introduced the latest update of Japanese space activities in industry, academia, space agency and government sectors, with a view to enhancing partnership and collaboration between Japanese players and foreign governments and space agencies. The lectures were followed by a Q&A session.



19 November 2021

## RIKEN spoke about their international strategies

On 19 November, Yuko Harayama, Executive Director, RIKEN, participated as a guest speaker in an online lecture. In the presentation, Dr. Harayama gave basic introduction of the institute and spoke about latest developments of their research activities, as well as their international strategies, to the EU Science and Technology Counsellors and various other entities from Europe and Japan.

RIKEN's Strategic Collaborative Research Program					
FY 2018 Projects		FY 2019 Projects		FY 2020 Projects	
Strategic research partner	Project	Strategic research partner	Project	Strategic research partner	Project
 MPG, PTB Germany	Using ultraprecise frequency measurements to investigate basic physics and its applications	 Nanyang Technological University, Singapore	Human life science research base for creating concept of pre-onset diagnosis and treatment	 McGill Canada	Strengthening collaboration with McGill University to solve social problems in the medical field
 Kazan State University, Russia	Development of innovative drug delivery system and "Therapeutic In Vivo Synthetic Chemistry"	 GSI Germany	Research for origin of mass and building block of the matter at GSI	 Eindhoven University of Technology Netherlands	Development of next-generation soft materials for the construction of a sustainable society through supramolecular polymerization
 Children's Cincinnati USA	Promoting medicinal research about organoids	 UCB, LBNL, USA	RIKEN Quantum Information Science Initiative		
 HUMAN CELL ATLAS	Developing an international alliance to lead genome-related research in Japan, USA and Europe	 Hangzhou Future Science Town, China	Chemical biology by natural resources in China		

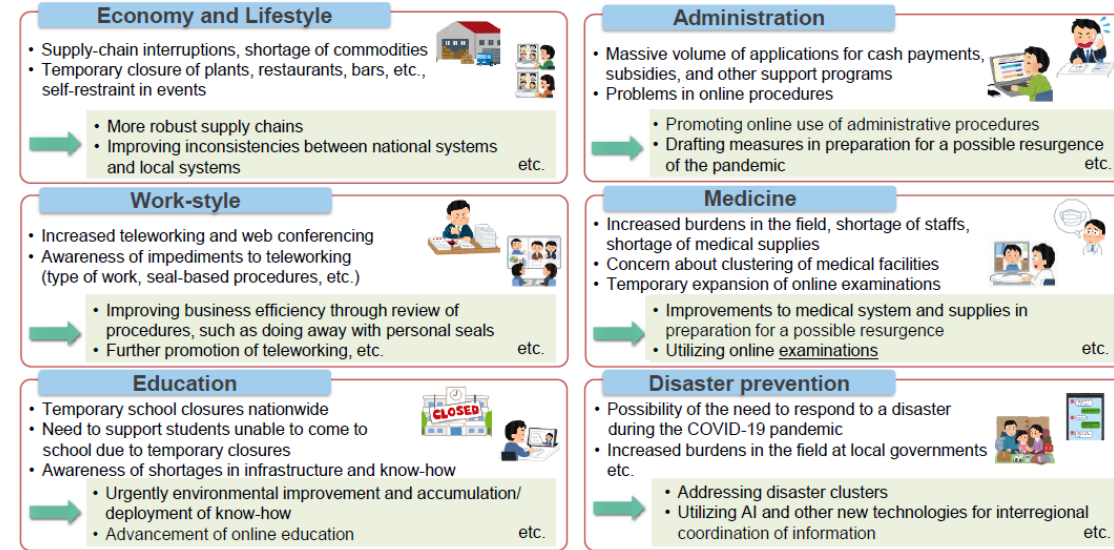
19/11/2021

22 October 2021

## Digital Agency of Japan spoke about their basic concept and missions

On 22 October, Mr. Toshiyuki Zamma, Head of International Strategy, Digital Agency of Japan, gave an online lecture to the EU Science and Technology Counsellors and various other entities from Europe and Japan. In the presentation, Mr. Zamma introduced the basic concept, organization and missions of the newly established agency. He also touched upon how the Basic Act on IT (2000) needs to be adapted to today's needs, especially responding to changes in the society and values during and post-pandemic time.

### – Changes in society and values in response to COVID-19



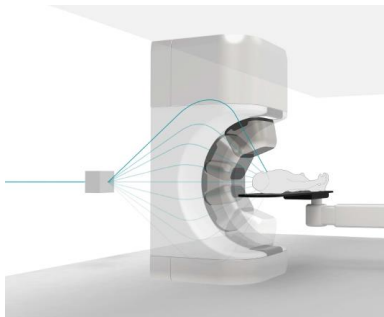


17 September 2021

## Cosylab introduced success stories of Slovenia-Japan research collaboration

On 17 September, Mr. Rok Hrovatin of Cosylab Inc. gave an online lecture to the EU Science and Technology Counsellors and various other entities from Europe and Japan. Being the world's leading Slovenian provider for control systems for fusion reactors, proton cancer-therapy machine and nuclear accelerators, the company is an investor for Japanese start-up of Proton Therapy Machine production with support from AMED. The company also works with Iwate University and Tohoku University for fusion reactor and ILC project in Iwate. In the presentation, Mr. Hrovatin gave an overview of the company and shared success stories of research collaboration with Japan.

[https://eeas.europa.eu/sites/default/files/cosylab\\_japan\\_presentation.pdf](https://eeas.europa.eu/sites/default/files/cosylab_japan_presentation.pdf)



次世代放射光施設建設工事 2021年5月15日上空写真



As of 2021/05/15 (<https://www.phosic.or.jp/construction.html>)





15 July 2021

### **CAO gave an online lecture on Japan's space activity**

On 15 July, Ms. Naoko Okamura, Director-General for International Cooperation, National Space Policy Secretariat, Cabinet Office (CAO), gave a lecture to the EU Science and Technology Counsellors and Commercial Counsellors of the EU Member States. In the lecture, Ms. Okamura introduced Japan's space activity and presented the overall picture both government and private sectors of Japan, from national space policy to brief introduction of research, exploration and commercial activities, which may also provide the opportunity to boost potential future international collaboration. The lecturer stated that if further interests are identified, the Government of Japan is ready to invite individual players across the public and private sectors to provide further detail of specific space activities at the next opportunity.



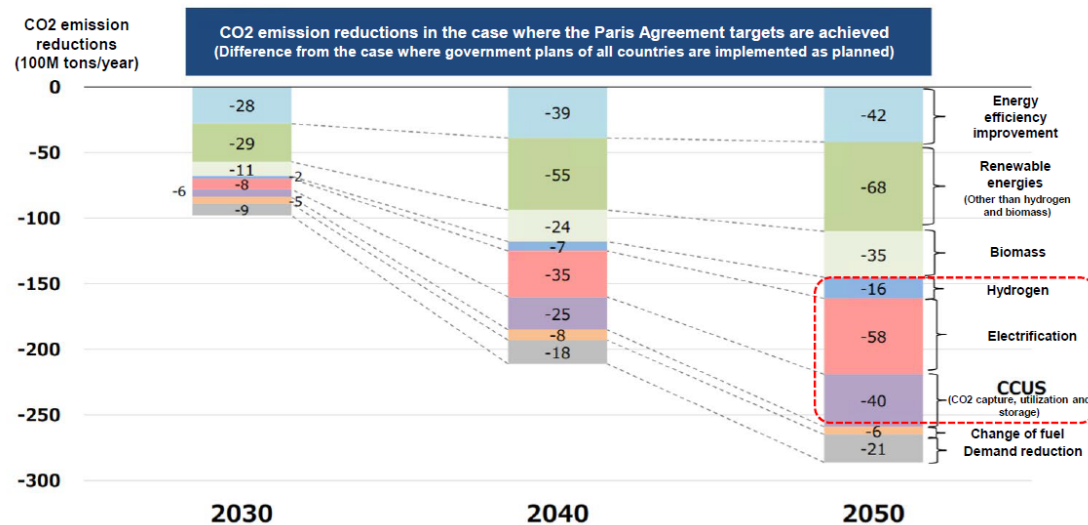




18 June 2021

## METI gave an online lecture on Green Innovation Fund

On 18 June, Mr. Yasuhiro Kasai, Director, Carbon Neutrality Project Promotion Office, Industrial Science, Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI) gave an open lecture to various STI interlocutors, including the EU Science and Technology Counsellors. Toward the goal of achieving carbon neutrality by 2050, METI established a 2 trillion-yen Green Innovation Fund as part of the New Energy and Industrial Technology Development Organization and will provide continuous support for R&D projects, demonstrations, and social implementation projects for 10 years to companies that commit to ambitious goals. In this lecture, Mr. Kasai introduced background and outline of the Fund, including scheme and program schedule.





21 May 2021

### **MEXT and NIPR gave lectures on ASM3**

During a hybrid-style open lecture event on 21 May, Dr. Hajime Kimura, Deputy Director, Ocean and Earth Division, and Dr. Tetsuo Sueyoshi, Project Associate Professor, National Institute of Polar Research (NIPR), from the Ministry of Education, Culture, Sports, Science and Technology (MEXT) gave presentations to the EU Science and Technology Counsellors. The presentations highlighted introduction to third Arctic Science Ministerial Meeting (ASM3)'s science process, including some points from the Joint Statement, and a short overview of Japan's recent developments in arctic science.

Presentations: [https://eeas.europa.eu/delegations/japan/98952/mext-and-nipr-gave-lectures-asm3\\_en](https://eeas.europa.eu/delegations/japan/98952/mext-and-nipr-gave-lectures-asm3_en)





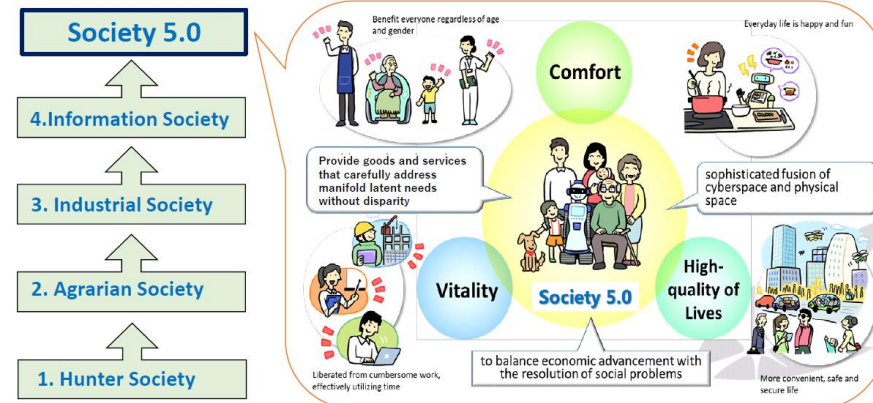


23 April 2021

## Lecture by CAO on the Science, Technology and Innovation Basic Plan 2021-2025

On 23 April, Mr. Yasuo Shinozawa, Planning Director for Integrated Strategy, Secretariat of Science, Technology and Innovation Policy, Cabinet Office of Japan (CAO), gave an overview of the Science, Technology and Innovation Basic Plan 2021-2025 to the EU S&T Counsellors, STI diplomatic circle and European science business network. In the lecture, Mr. Shinozawa explained about the new elements of the Plan, which are expected to affect the STI landscape in Japan, as well as about the international dimension of the Plan and concrete actions that the Cabinet Office and the relevant ministries envision in this regard.

Presentation: [https://eeas.europa.eu/sites/default/files/210423\\_6th\\_sti\\_basic\\_plan\\_r.pdf](https://eeas.europa.eu/sites/default/files/210423_6th_sti_basic_plan_r.pdf)



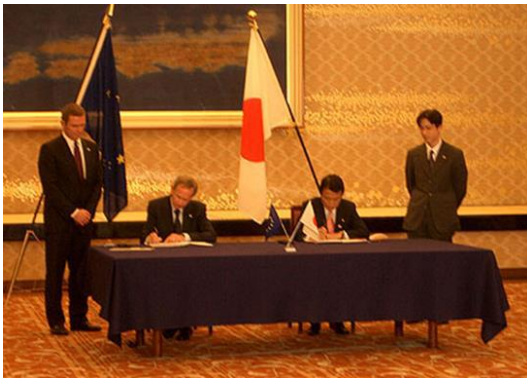


26 March 2021

## Online lecture on the latest developments of the EU-Japan joint fusion energy research

On 26 March, a series of online presentations were given to the EU Science and Technology Counsellors on the topic. The first lecturer, Dr. Susana Lorenzo, introduced the role and activities of International Fusion Energy Research Centre (IFERC) in the context of the Broader Approach Agreement. Dr. Philippe Cara provided an overview of the International Fusion Materials Irradiation Facility (IFMIF)'s ongoing project in its Engineering Validation and Engineering Design Activities (EVEDA) phase under the Agreement. Finally, Dr. Sam Davis provided the status of JT-60SA device that supports International Thermonuclear Experimental Reactor (ITER), which often referred to as a 'satellite tokamak'.

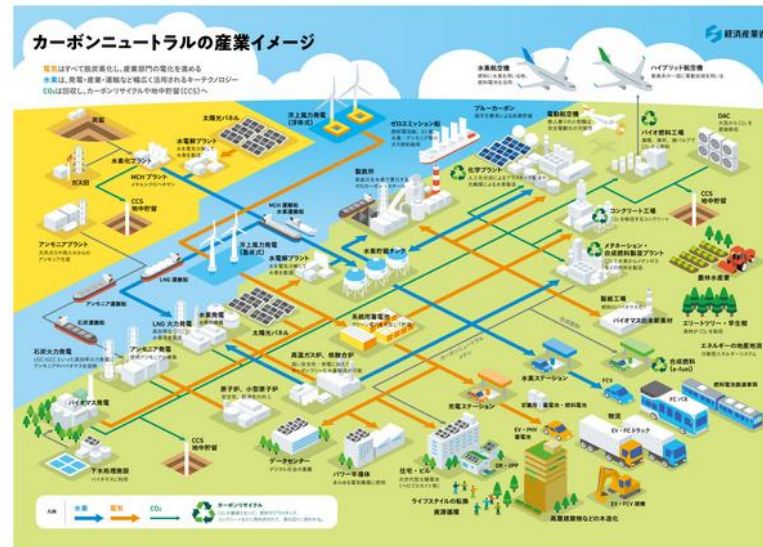
Presentations: [https://eeas.europa.eu/delegations/japan/96018/online-lecture-latest-developments-eu-japan-joint-fusion-energy-research\\_en](https://eeas.europa.eu/delegations/japan/96018/online-lecture-latest-developments-eu-japan-joint-fusion-energy-research_en)



26 February 2021

## Online lecture by METI on Green Growth Strategy

On 26 February, Mr. Eiji Uehara, Director, International Affairs Office, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI), gave an online lecture to the EU Science and Technology Counsellors on the “Green Growth Strategy towards 2050 Carbon Neutrality”. In the lecture, Mr. Uehara highlighted current challenges and required future actions in 14 priority fields, as well as implications of the Strategy for the R&D developments in Japan and the international dimension, particularly the STI collaboration between EU and Japan.





22 January 2021

### **Online lecture by JST on Mirai Program: Overview and International Activities**

On 22 January, Ms. Fumie Imabayashi, Manager, Department of R&D for Future Creation, Japan Science and Technology Agency (JST), gave an overview of the JST-Mirai Program to the EU Science and Technology Counsellors. The lecturer highlighted that the program aims to promote high-risk and high-impact R&D leading to social and economic impact. Funding and management scheme of the program, including its on-going R&D areas/themes, were also introduced in addition to international activities.

Presentation material: [https://eeas.europa.eu/sites/eeas/files/20210122\\_jst\\_mirai\\_to\\_eu\\_cousellor\\_mtg\\_final.pdf](https://eeas.europa.eu/sites/eeas/files/20210122_jst_mirai_to_eu_cousellor_mtg_final.pdf)



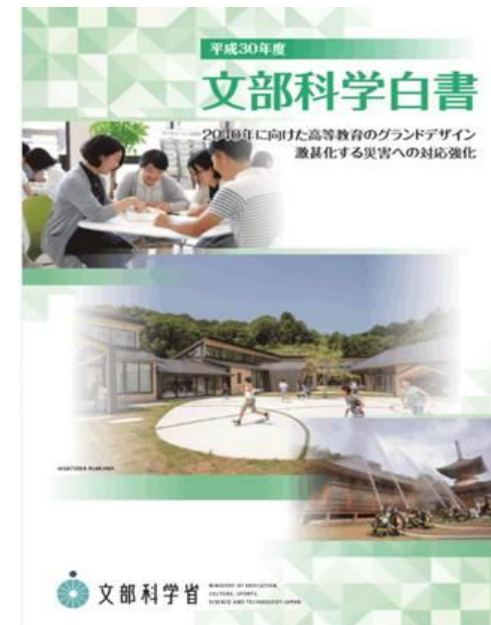
**JST-Mirai Program**



11 December 2020

## Lectures by MEXT and NISTEP on the “White Paper for Science and Technology 2020”

On 11 December, lectures on the latest White Paper for Science and Technology were given to the EU Science and Technology Counsellors at the Europe House by Dr. Osamu Aruga, Director, International Science and Technology Affairs Division, Science and Technology Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT) and Dr. Shigeo Okaya, Deputy Director-General, National Institute of Science and Technology Policy (NISTEP). In the lectures, speakers highlighted the examples of international STI cooperation, as well as exploring research output using Science and Technology Indicators, a basic tool for data analysis in understanding Japanese science and technology activities.





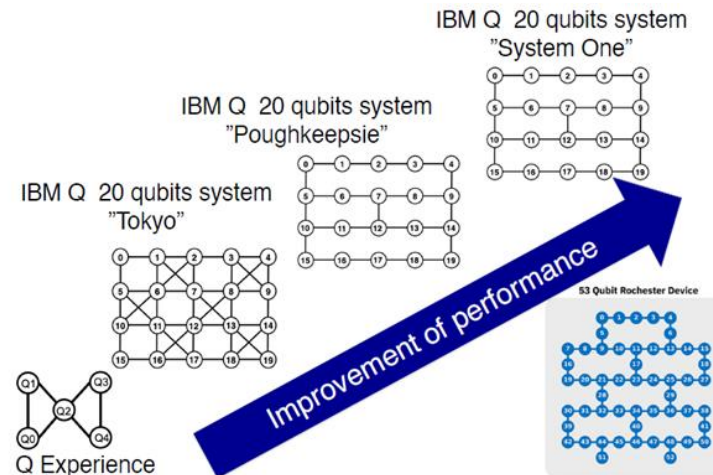


27 November 2020

## Lecture by Keio University on quantum computing in Japan at the Europa House

On 27 November, Prof. Kohei Itoh from the Faculty of Science and Technology, Keio University, briefed the EU S&T Counsellors on quantum computing research and development led by the Japanese government and industries. In his presentation, Prof. Itoh introduced a number of innovation-oriented programs on quantum technologies and industry-supported research at universities and national laboratories, including the one at Keio University, known as “IBM Q Network Hub @ Keio University”.

Presentation material: [https://eeas.europa.eu/sites/eeas/files/11\\_27\\_kohei\\_itoh\\_keio\\_univ.pdf](https://eeas.europa.eu/sites/eeas/files/11_27_kohei_itoh_keio_univ.pdf)

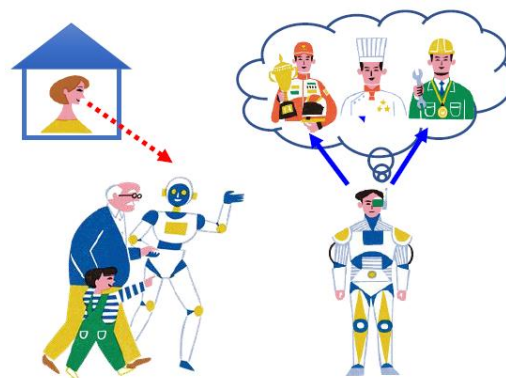


22 October 2020

### Lecture by JST on Moonshot R&D Program and new approach for COVID-19 at the Europa House

On 22 October, Mr. Ken Kawabata and Ms. Sugiko Imazu of Japan Science and Technology Agency (JST) briefed the EU Science and Technology Counsellors on Moonshot R&D Program and on their approach towards tackling COVID-19. During the first presentation, a “MILLENNIA Program”, was introduced which has been designed to support the creation of new Moonshot Goals aimed at tackling the challenges of our post-crisis society and economy. During the second presentation, Ms. Imazu introduced “Plan B” that aims to help minimizing the restrictions on people’s activities by utilizing and concentrating knowledge other than medicine, such as engineering, information technology, and nanotechnology.

Presentation materials: [https://eeas.europa.eu/sites/eeas/files/eu\\_st\\_counsellor\\_meeting\\_20201022\\_1\\_kawabata.pdf](https://eeas.europa.eu/sites/eeas/files/eu_st_counsellor_meeting_20201022_1_kawabata.pdf)  
[https://eeas.europa.eu/sites/eeas/files/eu\\_st\\_counsellor\\_meeting\\_20201022\\_2\\_imazu\\_web.pdf](https://eeas.europa.eu/sites/eeas/files/eu_st_counsellor_meeting_20201022_2_imazu_web.pdf)







17 July 2020

### Lecture by the Vice-President of AIST on Society 5.0

On 17 July, Dr. Satoshi Sekiguchi, Vice-President, and Dr. Lorenz Granrath, National Institute of Advanced Industrial Science and Technology (AIST) gave online lectures to the EU Science and Technology Counsellors on AIST's role in spearheading the transition from Industry 4.0 to Society 5.0 in Japan through research on cyber physical systems and through transforming manufacturing industry into AI. The lectures included examples of collaboration with entities in Europe.

Presentation materials: [https://eeas.europa.eu/delegations/japan/83971/node/83971\\_en](https://eeas.europa.eu/delegations/japan/83971/node/83971_en)



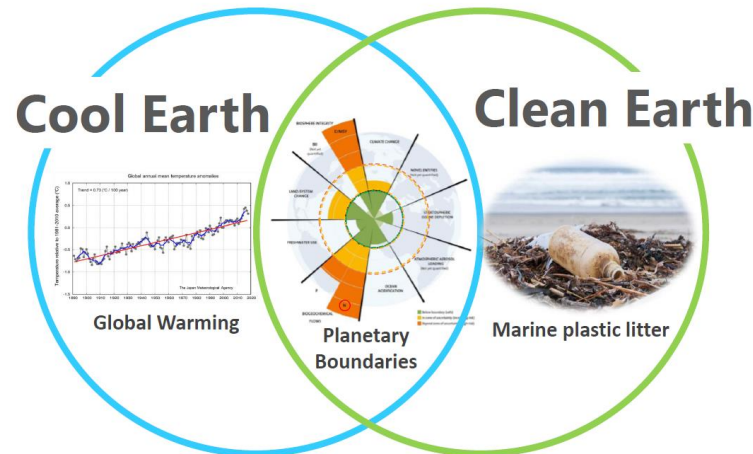


26 June 2020

## Lecture by Director-General of NEDO on Moonshot Program Goal 4

On 26 June, Mr. Hiroyuki Yamada, Director-General of Moonshot Research and Development Program Office in New Energy and Industrial Technology Development Organization (NEDO) briefed the EU Science and Technology Counsellors on their role in the implementation of the Moonshot Program Goal 4 in relation to the context of overseas collaboration.

Presentation: [https://eeas.europa.eu/sites/eeas/files/06\\_26\\_hiroyuki\\_yamada\\_nedo.pdf](https://eeas.europa.eu/sites/eeas/files/06_26_hiroyuki_yamada_nedo.pdf)



27 March 2020

## **Lecture by the President of AMED at the EU Delegation to Japan**

On 27 March, Dr. Makoto Suematsu, President of the Japan Agency for Medical Research and Development (AMED), who is also a key person in the G-7 discussions on research and development actions addressing the COVID-19 outbreak, visited the EU Delegation to Japan to inform EU and its Science and Technology Counsellors about their role in addressing the COVID-19 outbreak and exchanged views on collaboration opportunities. During his lecture, Dr. Suematsu informed that a large part of AMED's 2020 supplementary budget, approximately 160 million euro, is likely to be dedicated to research actions addressing COVID-19, possibly jointly with international partners. He highly praised collaboration with the EU under the International ECMO Network (ECMONet), as well as GLoPID-R and EDCTP, and showed interest in exploring further opportunities, such as research on CureVac.

Presentation materials: [https://eeas.europa.eu/sites/eeas/files/how\\_to\\_tackle\\_covid-19\\_in\\_amed\\_eu\\_del\\_27.03.2020.pdf](https://eeas.europa.eu/sites/eeas/files/how_to_tackle_covid-19_in_amed_eu_del_27.03.2020.pdf)

Video recording: [https://eeas.europa.eu/delegations/japan/78351/video-lecture-president-amed-eu-delegation-japan-27-march-2020\\_en](https://eeas.europa.eu/delegations/japan/78351/video-lecture-president-amed-eu-delegation-japan-27-march-2020_en)

24 January 2020

## **"Present status of marine plastic studies in Japan with a focus on the University of Tokyo – Nippon Foundation cooperative initiative"**

Speaker: Prof. Yutaka Michida, Director, Center for International Collaboration, Atmosphere and Ocean Research Institute, the University of Tokyo.

