

## 2022.11.8 TUE

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### 10:30 - 12:00 **Promoting and expanding implementation of the JCM**

**Organizer** Ministry of the Environment Government of Japan

**Co-organizer** Overseas Environmental Cooperation Center, Japan

**Seminar abstract** The Joint Crediting Mechanism: JCM is implemented by the Government of Japan with 23 partner countries\* based on a Memorandum of Cooperation to promote dissemination of decarbonization technologies and GHG reduction. In addition, the JCM generates various co-benefits as well as GHG mitigation which contribute to sustainable development including SDG in partner countries.  
This side event will focus on latest updates of the JCM in light of the conclusion of the Article 6 rules at COP26 and JCM's benefits to promote understanding on the JCM.

**Speakers** Dr.Kazuhiko Takemoto, Mr. Makoto Kato, Mr. Wataru Tohze, OECC;  
Ministry of the Environment, Japan (MOEJ);  
Mr. Thanh Cong Nguyen, Ministry of Natural Resources and Environment, Vietnam (MONRE);  
Mr. Sophal Leang, Ministry of Environment, Cambodia (MOE);  
Ministry of Environment and Tourism, Mongolia  
JFE Engineering Corporation

## 2022.11.8 TUE

### 13:00 - 14:30 **Current status and future perspectives on greenhouse gas emission mitigation and impacts**

**Organizer** Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

**Seminar abstract** The Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan has launched a new program for Earth System Model development to support the IPCC Assessment Report cycle (SENTAN project). Also, as proposed in COP26, research institutes and universities in Japan (NIES, JAMSTEC, MRI, Chiba Univ.) have put together first ever “Bulletin of Multi-scale Estimation of Greenhouse Gas Budgets (2022)” under the SII-8 project of the Ministry of the Environment (MOEJ) ([https://www.nies.go.jp/sii8\\_project/index.html](https://www.nies.go.jp/sii8_project/index.html)) and submitted it to the Global Stocktake of the UNFCCC. These activities and our independent research have addressed various issues on understanding the historical past budgets of greenhouse gases, separately for the anthropogenic and natural flux components. The observations using in situ and remote sensing techniques (surface stations, aircrafts, ships, satellites) have led to production of high resolution and high accuracy estimation of sources and sink of 3 major man-made greenhouse gases, i.e., carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O). However, future climate feedbacks on the carbon-nitrogen cycles of the terrestrial and marine environment are expected to play a much bigger role in the future, which remain largely uncertain in the most recent IPCC AR6. At the COP27, we will discuss emerging science on the controls of greenhouse gases emissions and future challenges in order to achieve the climate mitigation goals, as laid out in the Global Methane Pledge (30% reduction by 2030) and more ambitious Nationally Determined Contributions towards net-zero emissions by 2050. The challenges are growing greater due to overall intensification of human activities and changing carbon sequestering efficiency of the natural ecosystems. Scopes for near-future prediction of GHG levels and climate change impact assessments using Earth System Models will be demonstrated. Our historical and future projection of sources and sinks data products will be delivered to the world community for use and evaluation with their country reporting to the UNFCCC. In addition to speakers from Japan, we invite speakers from foreign countries, who would talk about international activities and expectations from research in Japan. JAMSTEC official website (Click here for online registration) <https://www.jamstec.go.jp/rigc/e/events/cop27-jps/>

**Speakers** Akihiko Ito, NIES, Tsukuba, Japan (10 min)  
 Kevin Bowman, NASA/JPL, Pasadena, CA, USA (10 min)  
 Pep Canadell, CSIRO Climate Science Centre, Canberra, Australia (10 min)  
 Shobhakar Dhakal, Asian Institute of Technology, Bangkok, Thailand (10 min)  
 Prabir Patra, JAMSTEC, Yokohama, Japan (5 min for Chairing/Changeovers)  
 Panel discussion: Saigusa, Kanaya, Dhakal, Canadell, Bowman (moderator: Kawamiya)

## 2022.11.8 TUE

### 15:00 - 16:30 **Aiming for Environmental Friendly and Carbon Neutral System of Desalination and Water Treatment**

**Organizer** Tokai National Higher Education and Research System Gifu University

**Seminar abstract** We hope to introduce our activities in the field of water through industry-academia-government collaboration since 2007, a Japanese wastewater treatment system installed and operated in Egypt, current problems of desalination and water treatment in countries which are suffering from severe water shortage, and our techniques which will lead to solutions to establish Environmental Friendly and Carbon Neutral Systems.

**Speakers** Director Shigeyuki Uemiya, Gifu Renewable Energy System Research Center, Tokai National Higher Education and Research System Gifu University  
 1: Prof. Kaoru Ishikawa, Akita International University, Former Ambassador of Japan to Egypt  
 2: TDB  
 Ministry of Environment, Egyptian Environment Affairs Agency  
 3: Dr. Maria R. H. Takeuchi  
 Project Manager, Gifu Renewable Energy System Research Center, Tokai National Higher Education and Research System Gifu University  
 4: Prof. Yoshinori Itaya, Gifu Renewable Energy System Research Center, Tokai National Higher Education and Research System Gifu University  
 5: Prof. Hideaki Ohgaki, Institute of Advanced Energy, Kyoto University

## 2022.11.8 TUE

### 17:00 - 18:30 **How can sustainable and transition finance support the journey to net zero in Asia?**

**Organizer** Ministry of the Environment Government of Japan  
 OECD

**Seminar abstract** In order to meet the goals of the Paris Agreement, efforts to tackle climate change are underway throughout the world. Asia is a key region when it comes to achieving net zero globally. Asia accounts for half of the world's GHG emissions, and approximately 85% of the energy consumption there is from fossil fuels, which is projected to double in 2030. Therefore, it is salient, especially in Asia, to develop transition finance approaches and practices. This event will address key practices for and challenges to scaling up transition finance in Asia. Given the need to scale up finance for the climate transition across all sectors globally, an increasing number of initiatives have set out transition finance approaches. These include Japan's Basic Guidelines on Climate Transition Finance, as well as Singapore's and ASEAN transition taxonomies, among others. To provide a bridge across a range of transition finance and transition plan initiatives and frameworks, and to increase transparency and help avoid greenwashing, the OECD Guidance on Transition Finance presents elements of credible corporate climate transition plans based on analysis, an industry survey and good practices to date. This event will spur action-oriented discussions and knowledge exchange on the latest initiatives and developments in the transition finance space in Asia and will identify priority areas to accelerate progress in the region.

**Speakers** TBD



**2022.11.8 TUE**
**19:00 - 20:30 Special symposium on Regional Action on Climate Change**
**Organizer** Science and Technology in Society *forum* (STS *forum*)

**Seminar abstract**

In considering and constructing actions to address the recent challenges of climate change and to secure sustainable development, importance of providing the most up-to-date and accurate scientific knowledge to various community stakeholders and relevant policymakers can't be overemphasized.

In particular, in the crisis situation of COVID-19 and climate change in recent years, climate change issues, water and food security issues, ecosystem and biodiversity conservation issues, health issues, and many other issues are interacting locally and globally and consequently make the situation much more complex and complicated. In order to develop appropriate countermeasures against these complicated, intertwined, and ever-changing risks and situations, it is urgently required to provide community stakeholders and policymakers with the latest and the most accurate scientific knowledge on those issues.

At this special symposium, based on the above recognition, internationally recognized experts on climate change will review and discuss the following themes, which have been discussed at many international fora, including the STS Forum and its subsidiary conference, RACC. While reviewing the results of the discussions, we plan to further develop the discussions and disseminate the results widely to the world.

1. Interaction of multiple intertwined risks among climate change, water and food security issues, ecosystem and biodiversity conservation issues, and health issues. Their regional impacts, countermeasures, and recovery measures.
2. The state of resilience in the most vulnerable regions and measures to improve it. In particular, vulnerability of food supply and water security under recent climate change conditions. An appropriate countermeasures.

**Speakers**

Chair :

1. Dr. Ismail Serageldin, Founding Director Emeritus, Bibliotheca Alexandrina, Egypt
2. Prof. Dr. Komiya, Chairman, Science and Technology in Society forum (STS forum), Japan
3. Professor Adel El-Beltagy, Chair, International Dryland Development Commission (IDDC); former minister of Agriculture and Land Reclamation; former Chair, Global Forum for Agriculture Research (GFAR/ FAO), Egypt
4. Prof. Phoebe Koundouri, Professor, Department of International & European Economic Studies, ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS, GR
5. Several experts from academia, industry, and public sector (to be decided)

**2022.11.9 WED****10:30 - 12:00      Financial institutions' engagement to accelerate financing for net zero through a just and orderly transition—lessons and insights from Asia****Organizer**      MUFG Bank, Ltd.**Seminar abstract**

The urgent need for decarbonization is globally recognized, though it remains unclear exactly how countries will achieve transition to net-zero emissions within the timeframes set out in the Paris Agreement. Despite this shared goal, there is no single pathway to achieve Net Zero, and most countries leverage on a suite of technologies to meet individual countries' circumstances and physical and geographical constraints. Moreover, for the case of Asia, this region needs to weigh continued industrialization, which will create new job opportunities but accompanied by a growing demand for energy to support growing economies and population. A balanced approach is desired to maintain "just and orderly transition".

To reduce emissions while maintain sustainable growth, financial institutions need to understand these challenges through engagement with their clients. As a Japanese financial institution with a strong commitment to achieve net zero by 2050, MUFG has a vested interest in reducing emissions across its portfolio, not through divestment but facilitating real economy decarbonization. MUFG works closely with the Japanese government and industries to deliver on Japan's climate commitment to achieve carbon neutrality by 2050. MUFG is actively participating in the global initiatives such as Glasgow Financial Alliance for Net Zero (GFANZ) and Net Zero Banking Alliance (NZBA), and regional initiatives such as Asia Transition Finance Study Group to accelerate transition across the globe.

This seminar will showcase decarbonization challenges and opportunities related to transition in Asia from various stakeholders' perspectives. The seminar will further discuss the importance of financial institutions' engagement with their clients to have a good understanding of technology optionality to achieve a low emission economy, where capital is required, and what can unlock the opportunity of just and orderly transition in the region. The panelists also provide their insights and implication to other emerging economies and developing countries including Africa and Middle East.

**Speakers**

1. Keynote speech on transition

2. Panel Discussion

-Moderator : MUFG

-Panelists will be around 5 from financial institutions, investors, and industries from various regions including Egypt

## 2022.11.9 WED

### 13:00 - 14:30 **Mobilizing Finance to Facilitate Energy Transition and Decarbonization in ASEAN**

**Organizer** Ministry of Economy, Trade and Industry

**Seminar abstract** This side event focuses the decarbonising finance which is essential for the realization of decarbonising projects. In particular, this event focuses on CEFIA (Cleaner Energy Future Initiative for ASEAN), which contributes to the energy transition and the decarbonisation of ASEAN. In the seminar, the situation of the transition finance toward decarbonisation and the specific activities of financial institutes in ASEAN are introduced. And the expected roles of CEFIA toward the mobilization of decarbonising finance in ASEAN are discussed.

**Speakers** Mr. Shinichi Kihara, Deputy Director-General for Technology and Environment, Ministry of Economy, Trade and Industry  
 Dr. Nuki Agya Utama, Executive Director, The ASEAN Centre for Energy  
 Mr. Takahiro Hirai, Deputy Director for International Affairs (Asia Energy Transition Initiative) Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry  
 Mr. Ramesh Subramaniam, Director General, Asian Development Bank, Southeast Asia Department  
 Ms. Yukimi Shimura, Director, Mitsubishi UFJ Bank Ltd., Sustainable Business Division  
 Mr. Helge Muenkel, Chief Sustainability Officer, DBS Bank Ltd.  
 Mr. Enrique I. Florencio, Secretary General, Association of Development Finance Institutions in Asia and the Pacific



**2022.11.9 WED**

**15:00 - 16:30     JICA's climate change countermeasures to achieve the Paris Agreement goals. Deepening the understanding of the synergies and trade-offs with the sustainable development in the perspective of co-benefit approach.**

**Organizer**     Japan International Cooperation Agency (JICA)

**Seminar abstract**     The IPCC report (AR6) emphasizes the need to build resilient societies along with global efforts to reduce greenhouse gases due to the social and economic threats posed by climate change. It is also important for countries around the world to step up their efforts to achieve the Paris Agreement. Under these circumstances, JICA formulated a Global Agenda for Climate Change (GA) (June 2021) which has at its core to promote the implementation of the Paris Agreement and the co-benefit approach to promote climate change countermeasures in development projects with concrete targets. In addition, JICA's fifth medium-term plan (2022-2026), which started in April 2022, also places climate change countermeasures as a priority issue. This side event will introduce the efforts of developing countries and JICA to achieve the Paris Agreement from the perspective of JICA's GA, especially on co-benefits measures and discuss effective approaches to climate change countermeasures. It also aims to deepen understanding of the trade-offs between development and climate change measures.

**Speakers**

1. JICA Vice President Ms. Muto Megumi
2. JICA Global Environmental Department Office for Climate Change     Director Mr. Akihiro Miyazaki
3. Ministry of National Development Planning/National Development Planning Agency (BAPPENAS) Director for Environmental Affairs Dr. Medrilzam (TBC)
4. Bangkok Metropolitan Administration (BMA) Adviser to the Governor of Bangkok Mr. Pornphrom Vikitsreth
5. JICA Ogata Sadako Research Institute for Peace and Development Senior Researcher Mr. Sato Ichiro
6. World Bank, Climate Change Group, Climate Change Advisory and Operations Unit, Senior Climate Change Specialist Mr. Ahmed Al Qabany

## 2022.11.9 WED

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### 17:00 - 18:30 **How can businesses accelerate the zero carbon transition in Japan?**

**Organizer** Japan Climate Leaders' Partnership

**Seminar abstract** The zero-carbon transition has now shifted from the initial phase of making net-zero commitments to the second phase of implementation, and so have the expectations for corporate climate action. To fulfill their commitments, businesses need to deliver an effective and credible emissions reduction plan and report the progress in a transparent manner. There are also growing hopes and opportunities for businesses to go beyond their scope 1 -3 and contribute to the acceleration of the economy-wide transition. In this seminar, corporate executives of both Japanese and foreign companies will gather to share their latest initiatives and discuss challenges and possible solutions.

**Speakers** Masato Iwasaki, Ph.D. Representative Director, Member Of The Board, Japan General Affairs, Takeda Pharmaceutical Company Limited (Co-Chair, Japan Climate Leaders' Partnership)  
 Kahori Miyake Director, ESG Planning and Promotion Department, Sumitomo Mitsui Trust Bank, Limited (Co-Chair, Japan Climate Leaders' Partnership)  
 Rie Endo Senior Director, Sustainability and Corporate Relations, Salesforce Japan Co.,Ltd.  
 Eliot Whittington Director, Corporate Leaders Groups  
 TBD Inter IKEA Group  
 TBD Amazon.com, Inc.


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## 2022.11.9 WED

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### 19:00 - 20:30 **New Roles of the Chemical Industry toward Carbon Neutrality by 2050**

**Organizer** The University of Tokyo

**Seminar abstract** Of all the hard-to-abate industries, the chemical industry is considered particularly difficult to decarbonize because carbon is often embedded in its extremely diverse products. The Center for Global Commons at the University of Tokyo proposes pathways for the global chemical industry to reach scope 1-3 net zero while staying within the Planetary Boundaries, as well as new roles the chemical industry should take on. We will present our latest research results and discuss with global leaders how the chemical industry can transform itself into a climate solution in a hybrid format. To join this seminar online, and to download our latest research report, please visit the link below.  
<https://cgc.ifi.u-tokyo.ac.jp/en/research-en/chemistry-industry-en/> 

**Speakers** TBD (Global industry leader, Policymaker, NGO, Think-tank, Academia, etc.)



**2022.11.10 THU**
**10:00 - 11:30      Role of the private sector in realizing the GGA: How can Japanese companies contribute to achieving a climate-resilient economy and society?**
**Organizer**      Ministry of the Environment, Government of Japan

**Seminar abstract**

As climate change deepens, its impacts are becoming increasingly severe. Cooperation among diverse actors is essential for the world to adapt to the increasingly complex impacts of climate change. The private sector is an indispensable actor in adaptation because of its significant impact on mobilizing the financial resources needed for adaptation and its possession of the basic technologies required for adaptation. In an increasingly globalized business environment, the effects of climate change not only damage and impact their own facilities, but also have a significant impact on corporate profits through supply chains and other means around the world. Then the private sector itself, as an actor affected by climate change, is required to adapt to climate change risks. Thus, the private sector's response to climate change impacts is of urgent importance, along with its own efforts toward decarbonization. In this event, experts with cutting-edge knowledge on adaptation in the private sector and practitioners from Japanese companies with advanced adaptive solutions (technologies, services, and experiences) will be invited to discuss the role of the private sector in achieving GGA, its contribution through adaptation solutions that contribute to a climate resilient economy and society in the world, will be discussed.

Click here for more details and a link to watch the event on the day.  
<https://www.iges.or.jp/en/events/20221110>

**Speakers**

(Order of Presentation)

Hiroshi Ono, Vice-Minister for Global Environmental Affairs, Ministry of the Environment, Japan  
 Nicolette Bartlett, Chief Impact Officer, CDP  
 Akio Takemoto, Programme Head, United Nations University Institute for the Advanced Studies of Sustainability  
 Arame Tall, Senior Adaptation and Resilience Specialist, The World Bank  
 Genichiro Tsukada, Director, Climate Change Adaptation Office, Ministry of the Environment, Japan  
 Daisuke Abe, Managing Executive Officer, Service Operation and Development, Weathernews, Inc.,  
 Hiroko Urashima, Manager, Sustainability Promotion Office, General Planning Department, MS&AD Insurance Group Holdings, Inc.  
 Hitomi Miura, ESG Management Promotion Department, Sekisui Chemical Co.

**2022.11.10 THU**


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**11:45 - 12:45      How can satellites improve Forest Monitoring and Management?**
**Organizer**              Japan Aerospace Exploration Agency

**Co-organizer**          Japan International Cooperation Agency (JICA)  
 Kenya Ministry of Environment and Forestry, Kenya Forest Services

**Seminar abstract**              This seminar will discuss how Japanese Earth Observation satellites contribute to improving forest monitoring and management, as well as nature-based solutions for climate change mitigation and adaptation in Africa and around the world. The progress in the development of the REDD+ readiness including national forest monitoring system (NFMS) which is an integration of information from earth observation system and on the ground monitoring system as well as Safeguard Information System (SIS) on the social and environmental factors in Kenya, Mozambique and Indonesia will be presented. In addition, new efforts to understand both sinks and sources will be presented, capturing trends in photosynthetic activity and changes in CO<sub>2</sub> concentrations in forests in the African region that have not been captured by conventional observations.

**Speakers**                      (Opening remarks)  
 Mr. Alfred Gichu(?), National Forest Conservator, MoEF Kenya (Opening Remarks)  
 (Presentations & Panelist)  
 Dr. Hiroshi Suto, Associate Senior Engineer, Japan Aerospace Exploration Agency (JAXA)  
 Mr. Geoffrey Omedo, the United Nations Development Programme (UNDP) <about REDD+ National Strategy in Kenya>  
 Dr. Amy Duchelle, Senior Forestry Officer and Team Leader of Forests and Climate Change, The United Nations Food and Agriculture Organization (FAO) <about IMPRESS project in Kenya>  
 Mr. Peter Sirayo or Ms. Faith Mutwiri (tbc), Kenya Forest Services (presentation about NFMS/FIP)  
 Mr. Joaquim Macuacua, National Directorate of Forests, Ministry of Land and Environment, Government of Mozambique  
 Dr. Syaiful Anwar, Director of Greenhouse Gas Inventory and Monitoring Reporting and Verification, Ministry of Environment and Forestry, Government of Indonesia  
 (Panel Discussion Facilitator)  
 Mr. Peter N. Nduati (tbc), Deputy Conservator of Forest, Kenya Forest Services  
 (Closing Remarks)  
 (Moderator)  
 Dr. Yasuko Inoue, Expert on Forest Policy/Extension, JICA (Moderator)

## 2022.11.10 THU

### 13:00 - 14:30 HFCs Lifecycle Management Workshop under Q-CHAMP

**Organizer** Ministry of the Environment, Government of Japan

**Seminar abstract** Hydrofluorocarbons (HFCs) are short-lived climate pollutants which have high global warming potential. In addition to the commitment to the Kigali Amendment to the Montreal Protocol, many countries have been engaged in activities which may contribute to achieving HFCs emissions reduction, for example, through implementing regulation of recovery, recycle and destruction of refrigerants; setting up rebate systems for the recovered refrigerants; and designing national cooling strategy. There have been a growing need for these kinds of efforts as more stringent mitigation actions are required to meet 1.5°C goal and to achieve net-zero target set by each country. The HFCs Lifecycle Management workshop will introduce good practices of Quad countries (Japan, Australia, India, and the U.S.) to the Indo-Pacific countries for the sake of their policy reference. This workshop will be held under the "Quad Climate Change Adaptation and Mitigation Package (Q-CHAMP)" which was launched by Quad Joint Leaders' Statement in Tokyo in May 2022.

**Speakers** Speakers from the governments of Japan  
 Australia  
 India  
 and the United States (TBD)

## 2022.11.10 THU

### 15:00 - 16:30 Actions to Strengthen Synergies between the Paris Agreement on Climate Change and the 2030 Agenda for Sustainable Development

**Organizer** United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS)

**Seminar abstract** To meet the 1.5 degree target of the Paris Agreement and achieve the SDGs by 2030, it is critical to strengthen synergistic action. This was the focus of the Third Global Conference on Strengthening Synergies between the Paris Agreement and the SDGs, held at the United Nations University (UNU) in Tokyo, Japan on 20-21 July 2022. It stressed the need to incorporate the 2030 Agenda's principle of "leaving no one behind" in the implementation of decarbonisation policies, building partnerships among various stakeholders including youth, and enhancing knowledge and capacity development to identify synergies and trade-offs. This session will engage experts from various sectors to discuss concrete actions to strengthen these synergies and achieve both targets.

**Speakers** Mr. Hiroshi Ono, Vice-Minister for Global Environmental Affairs, Japan  
 Prof. Shinobu Yume Yamaguchi, Director, United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS)  
 Dr. Akio Takemoto, Head of Programme and Administration, UNU-IAS  
 Ms. Bahareh Seyedi, Senior Sustainable Development Officer, Division for Sustainable Development Goals, United Nations Department of Economic and Social Affairs (UNDESA)  
 Mr. Rajani Ranjan Rashmi, Distinguished Fellow, The Energy and Resources Institute (TERI)  
 Dr. Suneetha M. Subramanian, Research Fellow, UNU-IAS  
 Dr Sangmin Nam, Director, Environment and Development Division, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)  
 Other Speakers (TBC)



**2022.11.10 THU**


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**17:00 - 18:30    Japan-Malaysia City to City Carbon Neutral Collaborations – Celebrating the 40th Anniversary of the Look East Policy (LEP)**

**Organizer**            Institute for Global Environmental Strategies

**Seminar abstract**        Since Former Prime Minister Tun Dr Mahathir Mohamad introduced “Look East Policy” in 1982, this year is the 40th year anniversary. There are collaborations on climate actions, especially city to city collaborations towards carbon neutral society. This side event focuses on collaborate climate actions between Japan and Malaysia and we will discuss the “way forward”.

**Speakers**

1. Datuk Seri Mahadi Che Ngha, Mayor of Kuala Lumpur City
2. Yuriko Koike, Governor of Tokyo Metropolitan Government
3. Hayato Shimizu, Mayor of Saitama City
4. Datuk Onn Hafiz Ghazi, Chief Minister of Johor State
5. DATO' DR BADRUL HISHAM BIN KASSIM, Chief Executive, Iskandar Regional Development Authority
6. DATO' HAJI MOHD. NOORAZAM BIN DATO' HAJI OSMAN, Mayor of Johor Bahru
7. Daisaku Kadokawa, Mayor of Kyoto City
8. Fumiaki Takahashi, Japan's Ambassador to Malaysia
9. Daisuke Tanaka, Secretary General, The Japanese Chamber of Trade & Industry, Malaysia
10. Prof. Ho Chin Siong, Universiti Teknologi Malaysia (UTM)
11. Junichi Fujino, Principal Researcher, IGES

**2022.11.11 FRI**

**10:30 - 12:30    Formulation and Implementation of National Adaptation Plans (NAPs) in the Asia Pacific - Establishing a System to Promote Adaptation Towards the Achievement of the Global Goal on Adaptation (GGA)**

**Organizer**      National Institute for Environmental Studies (NIES);  
 Ministry of the Environment, Japan (MOEJ);  
 Institute for Global Environmental Studies (IGES)

**Co-organizer**   Asia-Pacific Network for Global Change Research (APN)

**Seminar abstract**      Effective formulation and implementation of National Adaptation Plans (NAPs) are essential to achieving climate resilience in the Asia-Pacific region, which is home to more than 50% of the global population and includes some of the world's most climate-vulnerable communities. Sharing experiences from different Asia-Pacific countries can help countries with comparable needs learn, adapt, and build climate-resilient communities. Moreover, the NAP formulation and implementation process are instrumental in understanding the status of national systems and institutions dedicated to promoting adaptation measures (e.g., institutional arrangements for national policy evaluation). Regular assessment of the progress in establishing these systems and institutions and sharing good practices can help promote national adaptation, taking a significant step toward achieving the Global Goal on Adaptation (GGA) set by the Paris Agreement.

The purpose of this session is to highlight the significance of NAP formulation and implementation based on the latest scientific findings and to review the current situation, good practices, initiatives, and challenges in addressing the impacts of climate change in the Asia-Pacific region.

We will address countries' needs at the NAP formulation and implementation stages by presenting a case study from each stage, particularly the challenges at the implementation stage, such as Monitoring & Evaluation (M&E). We will also explore how international initiatives, including the Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT), can support climate-risk informed decision-making and effective adaptation in the Asia-Pacific region. The session will also discuss linkages between local, national, and global level adaptation, particularly focusing on the role of the NAP formulation and implementation in achieving the GGA.

Upon reviewing and discussing the above topics, the session aims to propose concrete actions to promote adaptation in the Asia-Pacific region.

**Speakers**      (In presentation order)  
 Ms. Keiko Yoshikawa, Deputy Director, Center for Climate Change Adaptation (CCCA), National Institute for Environmental Studies (NIES) (on-site)  
 Mr. Hiroshi Ono, Vice-Minister for Global Environmental Affairs, Ministry of the Environment, Japan (MOEJ) (on-site)  
 Dr. Yuji Masutomi, Section Head, Center for Climate Change Adaptation (CCCA), National Institute for Environmental Studies (NIES) (on-site)  
 Mr. Gen'ichiro Tsukada, Director, Climate Change Adaptation Office, Ministry of the Environment, Japan (MOEJ) (on-site)  
 Mr. Augusto Manuel Pinto, NDCC Director/National Focal Point (NFP-UNFCCC) at National Directorate of Climate Change Secretary of State for the Environment, Timor-Leste (on-site)  
 Mr. Md. Mizanul Hoque Chowdhury, Additional Secretary, Ministry of Environment, Forest and Climate Change (MoEFCC) and National Project Director of the NAP Formulation project, Bangladesh (online)  
 Prof. Rajib Shaw, Professor, Graduate School of Media and Governance, Keio University (video message)  
 Ms. Akane Matsuo, Policy Researcher, Adaptation and Water Area, Institute for Global Environmental Strategies (IGES) (online)  
 Dr. Linda Anne Stevenson, Head of Knowledge Management and Scientific Affairs, Asia-Pacific Network for Global Change Research (APN) (on-site)  
 Mr. Yasuo Takakashi, Executive Director, Institute for Global Environmental Strategies (IGES) (on-site)

## 2022.11.11 FRI

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### 13:00 - 14:30 **Green Hydrogen Energy Development**

<b>Organizer</b>	Japan International Cooperation Agency (JICA)
<b>Seminar abstract</b>	<p>The main objective of this side event is to provide a platform for policy dialogue and knowledge sharing through presentations and discussions on developing, managing, and utilizing Hydrogen Energy in Developing countries and exporting knowledge from Japan. The event is expected to shed light on the following:</p> <ul style="list-style-type: none"> <li>•Explaining JICA's cooperation for Climate Change and capacity development for promotion of Hydrogen energy use</li> <li>•Highlighting Egyptian government recent developments related to Green Hydrogen Energy</li> <li>•Sharing experience from Japanese experts in Hydrogen energy to explain about how far they have developed or promoted Hydrogen.</li> <li>•Sharing Perspectives of Japanese Private Sector</li> <li>•Promote and highlight the role of Higher Education institutes such as E-JUST in raising awareness and building knowledge of Hydrogen Energy and actions to tackle Climate Change</li> </ul>
<b>Speakers</b>	<ol style="list-style-type: none"> <li>1. Opening Remarks &amp; Moderation: Mr. KATO Ken (加藤健) , Chief Representative, JICA Egypt Office</li> <li>2. Egyptian Status and Progress: Dr. Ahmed Mohamed MOHINA, Head Sector of Planning, Performace Follow up and International Cooperation. Ministry of Electricity and Renewable Energy Egypt,</li> <li>3. Sharing Japanese Experience &amp; Activities: Ms. KUDO Rie, Director, Green Growth Promotion Division, Environment Bureau, City of Kitakyushu (online participation)</li> <li>4. Japanese Private Sector Perspectives: Mr. SAITO Hidenori, Chairman, Japanese Business Association in Cairo (JBA)</li> <li>5. Role of Academia: Dr. Mona IBRAHIM, Dean of School of Energy Resources, Environment, Chemical and Petrochemical Engineering, Faculty of Engineering, Egypt-Japan University of Science and Technology (E-JUST)</li> </ol>

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## 2022.11.11 FRI

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### 15:00 - 16:30 **Industrial Decarbonization, Border Measures and Climate Clubs**

<b>Organizer</b>	Research Institute of Innovative Technology for the Earth (RITE)
<b>Seminar abstract</b>	<p>This event will focus on issues of competitiveness and emissions leakage associated with the decarbonization of global industry. Speakers will provide perspectives from the European Union, the United States, and Japan. Speakers will draw attention to proposed policies that would impose tariffs on the carbon content of internationally traded commodities and provide opportunities for the development climate clubs established by high ambition nations.</p> <p>RITE Home page ; <a href="https://www.rite.or.jp/system/en/events/2022/10/cop27.html">https://www.rite.or.jp/system/en/events/2022/10/cop27.html</a> </p>
<b>Speakers</b>	<p>Moderator :</p> <p>Billy Pizer, Resources for Future (RFF)</p> <p>Speakers/Panelists :</p> <p>Jos Delbeke, European University Institute School of Transnational Governance</p> <p>Keigo Akimoto, Research Institute of Innovative Technology for the Earth (RITE)</p> <p>Ray Kopp, Resources for the Future (RFF)</p> <p>Kawaguchi Yukihiro, Ministry of Economy, Trade and Industry, Manufacturing Industries Bureau</p>



**2022.11.11 FRI**


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**17:00 - 18:30 All-Japan efforts to manage tropical forests and peatlands sustainably and to establish international rules of their monitoring methods**
**Organizer** Ministry of Economy, Trade and Industry

**Seminar abstract**

Currently, tropical forests and peatlands are not properly valued, due to a lack of accurate assessment and evaluation of carbon sequestering potential. As a result, forest-derived carbon credits are underpriced, despite the growing danger of overexploitation and resulting CO<sub>2</sub> emissions.

In 2021, Sumitomo Forestry and IHI launched a collaborative project called "NeXT FOREST" to contribute to climate change issues as well as to solve these issues by bringing Japan's state-of-the-art technologies. In 2022, a joint venture company is going to be established to accelerate the project in earnest. Our business aims to spread accurate observation methods and forest management technologies worldwide. These methods and technologies will also be disseminated to the world in the form of academic papers and books. The company also aims to realize "Carbon Negative" through the reduction of CO<sub>2</sub> emissions from peatlands and maximization of the values of forests as carbon sinks. These methods and technologies will also be disseminated to the world in the form of academic papers and books. The company aims to realize "Carbon Negative" through the reduction of CO<sub>2</sub> emissions from peatlands and maximization of the values of forests as carbon sinks.

The Ministry of Economy, Trade and Industry (METI) is providing full support for this initiative in the development of a monitoring method that utilizes state-of-the-art multi-wavelength sensors and small and large satellite constellations. In order to realize internationalization, we will work on "All Japan".

This seminar will introduce the efforts, knowledge, and technologies of METI, Sumitomo Forestry, and IHI. Also, the panelists who are pioneers of industry, government, and academia will discuss climate change actions through the use of the satellite observation data and the conservation and management of tropical forests and peatlands to send a message about the importance of these efforts to all over the world.

**Speakers**

Mitsuru OSAKI  
 Professor Emeritus, Hokkaido University  
 Yoshihisa YAMANOUCHI  
 General Manager, Corporate Strategy Headquarters Strategic Project Dept., IHI Corporation  
 Riona SHIMAZAKI  
 Staff, Forest Carbon Sink Department, Sumitomo Forestry Co., Ltd.

## 2022.11.12 SAT

### 10:30 - 12:00 **Private Sector on the Rise: Unlocking Business-to-Government Collaboration and Sustainability Reporting to enhance Corporate Efforts towards Net Zero Emission in Southeast Asia**

**Organizer** Japan International Cooperation Agency (JICA)

**Seminar abstract**

As we witness national effort to raise ambition level through committing long-term carbon neutrality target and updating/sophisticating the contents of NDCs accelerating, the real challenge remains how to effectively translate such ambitions/commitments into implementation.

It is no doubt that implementation requires wider engagement of multi-stakeholders beyond policy makers community, especially from private sector. While we observe increasing number of private firms join concerted efforts to prepare their own Paris-compliant corporate pledges and actions including effort to net zero emissions, achieving enhanced visibility of corporate climate efforts through fulfilling sustainability reporting requirement for the listed companies under country's stock exchange also create additional impetus to encourage corporate actions. This multi-stakeholder event focuses on private sectors in Southeast Asia, and invites communities of policymakers, private sector and practitioners to identify opportunities and challenges, and how the role of administrations, institutions, and enterprises can be best harnessed to unlock challenges to further leverage corporate efforts. The means to enhance access to resources by firms and aspiration for carbon market creation at regional level are also to be discussed.

**Speakers**

1. Mr.Kohji Mitomori, Deputy Director, JICA Office of Climate Change
2. Vietnam - Dr. Luong Quang Huy, Director, Mitigation Division, Department of Climate Change, Ministry of Natural Resources and Environment (MONRE)
3. Singapore - Mr.Andrew Saw, Executive Enginner, Carbon Mitigation Division, National Environment Agency (NEA)
4. Thailand - Mr.Nuttavut Intarude, Sustainability Development Director, Siam Cement Group (SCG)
5. Mr.Zhibin Chen, International Carbon Action Partnership (ICAP)
6. Mr. Harrikumar Gadde / Mr.Taisei Matsuki, Climate Change Group, World Bank
7. Ms.Maiko Uga, Ministry of Environment Japan
8. Dr. Kazuhiko Takemoto, OECC President

Moderation by JICA Climate Change Technical Cooperation (SPI-NDC)  
 Mr.Koji Fukuda/Chief Advisor, Mr.Makoto Kato/Team Leader of Short-term experts

**2022.11.12 SAT**

**13:00 - 14:30     Sustainable agriculture and Food security projects by the Ministry of Agriculture, Forestry and Fisheries (MAFF) of Japan**

**Organizer**     Ministry of Agriculture, Forestry and Fisheries

**Seminar abstract**

PART 1 AGRICULTURAL INNOVATION FOR CLIMATE CHANGE MITIGATION

Lecture

Toward the development of new MRV methodology for multiple drainage in a large paddy area

Biological nitrification inhibition (BNI)-enabled wheat and maize which maintain the yield with reduced nitrogen fertilizer application

Can BNI-tropical forage bring double benefits for climate change mitigation?

Lecture

- A case study from Southeast Asian paddy fields (Dr. Kazunori MINAMIKAWA, JIRCAS)
- A case study in South Asian wheat systems (Dr. Tadashi YOSHIHASHI, JIRCAS)
- A case study in South American cattle grazing (Dr. Manabu ISHITANI, CIAT)

PART 2 AGRICULTURAL PRODUCTIVITY AND DIGITAL TECHNOLOGY

Lecture

- How technology can enhance the resilience of farmer association and demonstration of smart rural development in Africa (Mr. Makoto GODA, Nippon Biodiesel Fuel)

Pannel Discussion

- Mr. Makoto GODA and Ms. Aiko ODACHI, Nippon Biodiesel Fuel
- African farmer associations (TBC)

Please RSVP from here:

<https://forms.gle/AhjT9E7YuxsAcr8Y7> 

**Speakers**

PART 1 AGRICULTURAL INNOVATION FOR CLIMATE CHANGE MITIGATION

Lecture

Dr. Kazunori MINAMIKAWA, JIRCAS

Dr. Tadashi YOSHIHASHI, JIRCAS

Dr. Manabu ISHITANI, CIAT

PART 2 AGRICULTURAL PRODUCTIVITY AND DIGITAL TECHNOLOGY

Lecture

Mr. Makoto GODA, Nippon Biodiesel Fuel

Pannel Discussion

Mr. Makoto GODA and Ms. Aiko ODACHI, Nippon Biodiesel Fuel

African farmer associations (TBC)



**2022.11.12 SAT**
**15:00 - 16:30 Japan's contributions towards a decarbonised and resilient Asia**
**Organizer** Ministry of the Environment, Japan

**Co-organizer** Institute for Global Environmental Strategies (IGES)  
 National Institute for Environmental Studies (NIES)  
 Association of the Southeast Asian Nations (ASEAN Secretariat) (t.b.c)

**Seminar abstract** The MOE Japan and the Asia-Pacific Integrated Model (AIM) project team have been supporting the development and update of nationally determined contributions (NDCs) and long-term strategies (LTS) in several countries in Asia including Japan. To promote actions on the ground, we have also been supporting cities in this region in devising their own strategies for carbon neutrality.

At the regional level, the ASEAN State of the Climate Change Report (ASCCR) was successfully released last year as a collaborative product of the ASEAN Secretariat and Japan. In response to the request of the continued support in this domain by the ASEAN Member States (AMS), the ASEAN Secretariat and Japan will work together in developing the ASEAN Climate Change Strategic Action Plan 2023-2030 (ACCSAP) by COP28 in 2023, building upon the ASEAN Working Group on Climate Change (AWGCC) Action Plan (AAP) 2019-2025 and sectoral action plans. The ACCSAP will play a key role in the development and update of NDCs and LTS to realise ASEAN's long-term goal of achieving carbon neutrality and resiliency.

This side event aims to announce the development of the ACCSAP to the international community, and to consider how to bridge AIM and the ACCSAP in a holistic manner. The guiding document for ACCSAP development will be presented in the event to clarify the consultative development process and to seek for inputs from the audience. The latest progress on LTS development and updates by AMS with the use of AIM will also be shared.

In addition, this side event will highlight the AIM project team's work in several ASEAN municipalities, introducing the developed quantitative future scenarios and the subsequent actions toward decarbonization taken as a result.

**Speakers** H.E. Ekkaphab Phanthavong, Deputy Secretary General, ASEAN Socio-Cultural Community to the Association of the Southeast Asian Nations (ASEAN Secretariat) (t.b.c)  
 Mr. ONO Hiroshi, Vice-Minister for Global Environmental Affairs, MOEJ  
 Mr. MIZUTANI Yoshihiro, Director for International Cooperation for Transition to Decarbonization and Sustainable Infrastructure, Global Environment Bureau, MOEJ  
 Dr. Luong Quang Huy, DCC, MONRE, Viet Nam  
 Dr. Nguyen Tung Lam, VNPI, Viet Nam  
 Prof. Rizaldi Boer, IPB, Indonesia  
 Prof. Retno Gumilang Dewi and Dr. Ucock WR. Siagian, ITB, Indonesia  
 Prof. Bundit Limmeechokchai, SIIT-TU, Thailand  
 Mr. Loon Wai Chau, UTM, Malaysia  
 Mr. TAKAHASHI Yasuo, Executive Director, IGES  
 Dr. FUJINO Junichi, Programme Director, Integrated Sustainability Centre, IGES  
 Dr. ARINO Yosuke, Researcher, Strategic Management Office, & Project Leader (Mitigation and Adaptation Integration), IGES

## 2022.11.12 SAT

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### 17:15 - 18:20 **New Generation of Greenhouse Gas Remote Sensing Satellites for Contribution to the Paris Agreement**

**Organizer**

Satellite Observation Center (SOC)  
National Institute for Environmental Studies (NIES)

**Seminar abstract**

New generation greenhouse gas (GHG) imaging satellites, such as Japan's GOSAT-GW, will be launched in this decade. This event will showcase the use of Earth Observations in deriving "actionable" information to monitor and guide climate mitigation efforts in support of the Paris Agreement.

**Speakers**

Tsuneo Matsunaga (Director, NIES)  
Tazu Saeki (Senior Researcher, NIES)  
Tomohiro Oda (Senior Scientist, Universities Space Research Association (USRA))  
One or two speakers to be confirmed

## 2022.11.14 MON

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### 10:30 - 12:00 **Synergetic Actions from ASEAN and the Asia-Pacific towards Sustainable and Carbon Neutral Planet**

<b>Organizer</b>	Institute for Global Environmental Strategies
<b>Seminar abstract</b>	Synergetic Actions from ASEAN and the Asia-Pacific towards Sustainable will be shared with important stakeholders especially Middle East and other regions and we will discuss how to contribute to structure “Carbon Neutral Planet”.
<b>Speakers</b>	<ol style="list-style-type: none"> <li>1. Ms. Armida Salsiah Alisjahbana, Executive Secretary, ESCAP</li> <li>2. Mr. Lim Jock Hoi, Secretary-General of ASEAN</li> <li>3. Mr. Kazuhiko Takeuchi, President, IGES</li> </ol>

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## 2022.11.14 MON

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### 13:00 - 14:30 **Time for action: Japanese Companies' Efforts to Achieve a “Net Zero” Society**

<b>Organizer</b>	Nikkei, Inc.
<b>Seminar abstract</b>	Leading Japanese companies participating in the NIKKEI “Net Zero” Project will present their efforts to realize a net zero society to the world.
<b>Speakers</b>	<p>Yukari Takamura, Professor, Institute for Future Initiatives, The University of Tokyo</p> <p>Jorge Garduño, President, Japan and South Korea, The Coca-Cola Company</p> <p>Hiroko Urashima, SX Team, Corporate Planning Department, Mitsui Sumitomo Insurance Co., Ltd.</p> <p>Hiroyuki Isono, Representative Director of the Board, President and Group CEO, Oji Holdings Corporation</p> <p>Daisuke Miyauchi, President &amp; CEO, MIURA CO.,LTD.</p> <p>Yasushi Sasaki, System Leader of BCG’s Northeast Asia System, Managing Director &amp; Senior Partner, Boston Consulting Group</p> <p>Keiko Tashiro, Deputy President, Executive Head of Overseas Operations, Head of SDGs and Think Tank, Daiwa Securities Group Inc.</p> <p>Sachie Ii, Sustainability Chief Strategist, Sustainable Business Promotion Department , Mizuho Financial Group, Inc.</p> <p>Shigeru Kobayashi, President, NGK Insulators, Ltd.</p> <p>Tokuya Takizawa, Chief Sustainability Officer, EY Japan Co., Ltd.</p> <p>Hisahide Okuda, Corporate Vice President, Managing Executive Officer, JERA Co., Inc., JERA Co., Inc.</p> <p>Kiyoshi Ando, Editorial Writer, Nikkei Inc.</p>



**2022.11.14 MON**
**15:00 - 16:30      Now is the Time to Accelerate Action: Japanese Non-State Actors' Path to Net-Zero**
**Organizer**      Japan Climate Initiative (JCI)

**Seminar abstract**      The IPCC's Sixth Assessment Report announced by the Working Group III stated that while there are still options available to reach the 1.5 °C target, immediate mitigation measures across all sectors are essential to achieving it. Even during periods of global energy crises, climate action must not be allowed to take a back seat. At this event, various members of the Japan Climate Change Initiative (JCI), a coalition of Japanese non-state actors, will share their efforts to achieve the 1.5 °C target, and discuss on the path to net zero from the perspective of each sector.

Organizer: Japan Climate Initiative (JCI):

 Click to see the latest program : <https://japanclimate.org/english/news-topics/cop27/>
**Speakers**      MC: Ken Tanaka, Climate & Energy Group Officer, WWF Japan  
 1. Opening Remarks  
     Takejiro Sueyoshi, the Representative of Japan Climate Initiative  
 2. Panel Discussion  
     Speakers:  
     Kokoa Adachi, Youth Coordination Staff, Youth for One Earth  
     Nobuyuki Asai, Executive Director of Soka Gakkai Peace Committee  
     Toshifumi Fukuyasu, Director for Policy Planning and Coordination, Climate Change Division, Bureau of Environment, Tokyo Metropolitan Government  
     Michihiro Kishimoto, Environment Strategy Director, Environment Strategy Business Division, Hitachi, Ltd.  
     Hiroshi Ota, Fellow, Regulatory Relations Division, Regulatory Affairs Department, The Dai-ichi Life Insurance Company, Limited  
     Moderator: Naoyuki Yamagishi, Chief Conservation Officer, Director, Conservation Division, WWF Japan  
 3. A message to Japan  
     TBD (an international guest)  
 4. Closing

**2022.11.14 MON**
**17:00 - 18:30    Achieving Global Green Transformation-Towards a net-zero society through appropriate evaluation of “Avoided Emissions”-**
**Organizer**      Ministry of Economy, Trade and Industry

**Seminar  
abstract**

Further reduction is necessary for achieving the 1.5-degree target. To realize a net-zero society throughout the world including developing countries, it is essential to achieve both economic growth and emissions reduction.

The First Global Green Transformation Conference (GGX) was held in Tokyo GX week (September 26 -October 7, 2022).The concept of “Avoided Emissions”(\*1)was also an agenda item at GGX. At this event, regarding the concept of “Avoided Emissions”, it will be presented for the first time to the world the latest status of initiative being developed by WBCSD(\*2)with more than 40 of the world's leading global companies and share the vision of “Avoided Emissions” including financial institutions and governments.

\*1 “Avoided Emissions”: How much a certain entity (e.g., a company, an organization) contributes to reduction throughout the society in total. Private sectors are already discussing this concept. If a mechanism can be created to appropriately value the contribution, and resources such as finance can be directed to entities that are promoting these efforts, it will encourage the diffusion of green products and services and promote achieving net-zero emissions through economic growth.

\*2 WBCSD(World Business Council for Sustainable Development): WBCSD is the premier global, CEO-led community of over 200 of the world’s leading sustainable businesses working collectively to accelerate the system transformations needed for a net zero, nature positive, and more equitable future. <https://www.wbcsd.org/> 

**Speakers**      TBD

**2022.11.15 TUE**
**10:30 - 12:00    Shedding a light on GHG emission in supply chain in Asia  
-Partnership to Strengthen Transparency for co-  
Innovation (PaSTI)-**
**Organizer**            Ministry of the Environment of Japan

**Seminar abstract**            In promoting transparency activities in the ASEAN regions, this event will provide an opportunity to sharing lesson learned or knowhow for enhancing transparency from perspective of governments, non-state actors and financial institutions.

The panel discussion will be an excellent opportunity to exchange information and views and discuss how to effectively engage private companies centered on the supply chain and GHG emission disclosure in alignment with TCFD or target setting through SBT. Furthermore, the discussion will be focusing on the financial incentives such as ESG investment, which is essential for contribution of companies including supply chain.

**Speakers**            [Opening remarks]  
                          Ministry of the Environment, Japan (TBC)  
                          ASEAN Secretariat  
                          [Keynote Speeches]  
                          Kazuhiko Takemoto, President, Overseas Environmental Cooperation Center, Japan (OECC)  
                          Ministry of Environment (MoE), Cambodia /AWGCC Chair  
                          [Discussion ]  
                          Moderator: Makoto Kato, Overseas Environmental Cooperation Center, Japan (OECC) /the PaSTI-Secretariat  
                          Panelists:  
                          Carbon Disclosure Project Japan (CDP) (TBD)  
                          The Initiative for Climate Action Transparency (ICAT) (TBD)  
                          Vietnam Chamber of Commerce and Industry (VCCI) (TBD)  
                          Thai company (TBD)  
                          Business for Sustainable Development (BSD) , Philippines(TBD)  
                          Japanese company (TBD)



## 2022.11.15 TUE

### 13:00 - 14:30 **Japan's Energy Transition Strategy for Net Zero by 2050**

**Organizer** The University of Tokyo

**Seminar abstract** ETI-CGC (Energy Transition Initiative – Center for Global Commons), launched by Japanese leading companies and the University of Tokyo's Center for Global Commons at the COP26 last year, has been studying Japan's energy transition pathway toward 2050. In this event, the University of Tokyo will provide an interim report of the research for Japan's Net Zero scenario in 2050 and discuss the challenges in the decarbonization scenario with ETI-CGC members and global leaders in a hybrid format.

**Speakers**

Moderator  
 Naoko Ishii (Executive Vice President at the University of Tokyo, Professor at Institute for Future Initiatives, Director of Center for Global Commons)

Panelists  
 Takeshi Uchiyamada (Chairman of the Board of Directors, Representative Director, Toyota Motor Corporation)  
 Norihiro Suzuki (Vice President and Executive Officer, CTO and General Manager of Research & Development Group, Hitachi, Ltd.)  
 Tomomichi Seki (Managing Executive Officer, Tokyo Electric Power Company Holdings, Incorporated)  
 Adair Turner (Chair of the Energy Transitions Commission)  
 Abyd Karmali OBE (Climate Finance Executive, Managing Director, ESG Advisory, Bank of America)  
 Masakazu Sugiyama (Director of Research Center for Advanced Science and Technology, the University of Tokyo)

**2022.11.15 TUE**
**15:00 - 16:30 Initiatives to achieve carbon neutrality in a Time of Crises**

**Organizer** Ministry of Economy, Trade and Industry  
 New Energy and Industrial Technology Development Organization (NEDO)

**Seminar abstract** At the seminar, we will report the outcomes of the ICEF held on October 5-6, 2022. Ministry of Economy, Trade and Industry (METI) and New Energy and Industrial Technology Development Organization (NEDO) will introduce Japan's initiatives, including the Tokyo GX Week. Also, we will introduce the outcomes of discussions on the initiatives and technologies required to achieve carbon neutrality at the ICEF2022 under the theme of "Low-Carbon Innovation in a Time of Crises." We will introduce the ICEF2022 output roadmap on "Low-carbon ammonia" and "Blue carbon", followed by a panel discussion.

**Speakers** KIHARA Shinichi Deputy Director-General for Environmental Affairs, Ministry of Economy, Trade and Industry(METI)  
 KOYAMA Masaomi, Director, International Affairs Office, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry(METI)  
 WADA Takashi, Executive Director, New Energy and Industrial Technology Development Organization (NEDO),  
 TANAKA Nobuo, Chair, Innovation for Cool Earth Forum (ICEF) Steering Committee  
 David Sandalow, Innovation for Cool Earth Forum (ICEF) Steering Committee  
 TAGAMI Takahiko, Senior Coordinator, The Institute of Energy Economics, Japan (IEEJ)  
 WATANABE Atsushi, Senior Research Fellow, Ocean Policy Research Institute, Sasakawa Peace Foundation  
 Carlos Duarte, Distinguished Professor, Marine Science, King Abdullah University of Science and Technology  
 S. Julio Friedmann, Senior Scientist & Head Carbon Wrangler, Carbon Direct  
 Roland Roesch, Acting Director, International Renewable Energy Agency (IRENA)Innovation and Technology Center  
 Tareq Emtairah, Director,Division of Decarbonization and Sustainable Energy, The United Nations Industrial Development Organization(UNIDO)  
 Javier Cavada, President and CEO - EMEA region, Mitsubishi Power

**2022.11.15 TUE**
**17:00 - 18:30    Innovative technologies of Japanese companies that can contribute to mitigation and adaptation**

**Organizer**      Ministry of Economy, Trade and Industry  
 New Energy and Industrial Technology Development Organization (NEDO)

**Seminar abstract**      This seminar will promote understanding of Japanese technologies that contribute to mitigation and adaptation, which are measures to address climate change issues.

Firstly, regarding mitigation, an example of a JCM demonstration project conducted by NEDO will be introduced. In addition, UNIDO, that has implemented JCM projects in the past, will introduce the results of its activities and future developments.

Secondly, regarding adaptation, this seminar also shows that Japan's technology can contribute to adaptation in developing countries through introduction digital platforms that are used to deal with actual disasters.

In the latter part of this seminar, cases of international transfer and technology development that contribute to mitigation and adaptation will be presented, followed by the discussion on how Japan can internationally contribute to solving climate change issues through technology transfer.

**Speakers**

- Shinichi KIHARA, Deputy Director-General for Technology and Environment, Ministry of Economy, Trade and Industry
- Takashi WADA, Executive Director, New Energy and Industrial Technology Development Organization (NEDO)
- Tareq EMTAIRAH, Director, Division of Decarbonization and Sustainable Energy, Directorate of Technical Cooperation and Sustainable Industrial Development, United Nations Industrial Development Organization (UNIDO)
- Mitsukage YAMADA, Deputy General Manager, Smart City Dept., Global Solutions Division, Oriental Consultants Global Co., Ltd.
- Tomoko SUZUKI, Corporate Officer, Corporate Chief Researcher, Research & Development Group, Hitachi, Ltd.
- Akira YOSHIDA, Strategist, Digital Ecosystem, SAP Japan Co., Ltd.
- Megumi AISU, Innovation Division, Zynas, inc.



## 2022.11.16 WED

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### 10:30 - 12:00 **Challenges Towards GX (Green Transformation)**

<b>Organizer</b>	<p>KEIDANREN (Japan Business Federation)</p> <p>The Institute of Energy Economics, Japan</p> <p>New Energy and Industrial Technology Development Organization (NEDO)</p> <p>Global Industrial and Social Progress Research Institute</p>
<b>Seminar abstract</b>	<p>To achieve carbon neutrality by 2050, GX, a fundamental transformation of the economy and society, will be indispensable. We invite government officials, business people, and experts from Japan and overseas to discuss the specific challenges and pathways towards GX.</p>
<b>Speakers</b>	TBD

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## 2022.11.16 WED

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### 13:00 - 14:30 **Launching Event of the Article 6 Implementation Partnership: Towards a high integrity carbon market**

<b>Organizer</b>	Ministry of the Environment, Government of Japan
<b>Seminar abstract</b>	<p>The early and robust implementation of the 'high integrity carbon market' is necessary for the advancement of global emissions reductions. Thus, the Ministry of the Environment, Japan will establish the "Article 6 Implementation Partnership" as an international initiative. Through this Partnership, support for Article 6 capacity building, information sharing, and collaborations to overcome challenges will be enhanced.</p> <p>In this event, the Partnership will be launched and promoted with various speakers.</p> <p><b>【Related Event】</b></p> <p>Title : Sharing best practices and lessons learned from capacity building for implementation of Article 6</p> <p>Date and time : 11/15th 13:15-14:45 (Egypt time)</p> <p>Venue : Akhenaten (150)</p> <p>Summary : For the robust implementation of Article 6, it is important to strengthen support for capacity building and international coordination. To this end, this event shares experience of the capacity building activities, including institutional arrangement for authorization, registry and A6 reporting.</p>
<b>Speakers</b>	<p>Minister of the Environment, Japan</p> <p>COP 27 Presidency</p> <p>Parties supporting the Partnership for the Implementation of Article 6</p> <p>International organizations including the Executive Secretary of the UNFCCC</p>

## 2022.11.16 WED

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### 15:00 - 16:30 **Low Carbon Waste Management in Africa Synergies between African Clean Cities Platform and Global Waste Initiative 50 by 2050 in the context of the Global Methane Pledge**

**Organizer** Ministry of the Environment, Government of Japan

**Seminar abstract** While supporting countries in Africa for a transition to a circular economy to reduce GHG emissions and other environmental impacts in a longer term, it is important to highlight the urgent need to address these waste management issues African countries are facing, in particular on methane emissions from dumpsites in the nexus of waste and climate change. Methane, which accounts for about half of the net rise in global average temperatures since the pre-industrial era, is a short-lived but powerful climate pollutant. Reduction of methane is one of the most emergent tasks that can be done now to tackle climate change, which led to the Global Methane Pledge with over 100 countries committed to take actions to reduce global methane emissions at least 30% from 2020 levels by 2030 at COP26.

Ministry of the Environment, Japan will jointly organize a seminar to discuss "Low Carbon Waste Management in Africa", together with Minister of Environment of the Arab Republic of Egypt which will launch the Global Waste Initiative 50 by 2050, the Climate & Clean Air Coalition and the African Clean Cities Platform (ACCP).

[Purpose of the seminar]

- Share knowledge and experiences on methane emission reductions through improving solid waste management systems in the world
- Explore potential roles of the Global Waste Initiative 50 by 2050 and ACCP in the context of the Global Methane Pledge
- Promote investment in solid waste management in Africa through a shared understanding of methane reduction potential in the sector

**Speakers** Minister of the Environment, Japan  
 Ministry of Environment, Egypt  
 Climate and Clean Air Coalition  
 UN-HABITAT  
 African Development Bank  
 World Bank

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## 2022.11.16 WED

### 17:00 - 18:30 **8th JCM Partner Countries' High-Level Meeting**

**Organizer** Ministry of the Environment, Government of Japan

**Seminar abstract** High-level representatives, including ministers from JCM's partner countries, will attend this meeting. While Japan will present the progress of the JCM, representatives from partner countries and Japan will reconfirm that the cooperation through the JCM will be strengthened in light of the conclusion of the Article 6 rules at COP26.

**Speakers** • Minister of the Environment, Japan (TBC)  
 • Ministers of JCM partner countries (TBC)

## 2022.11.17 THU

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### 10:30 - 12:00 **High well-being with low energy demand towards the modern net-zero society**


<b>Organizer</b>	Research Institute of Innovative Technology for the Earth (RITE)
<b>Seminar abstract</b>	<p>Ensuring well-being and access to essential and social services is why society requires materials and energy. This seminar presents the roles of technological, social and infrastructural innovations that can deeply reduce demand for energy and stimulate a just transition to net-zero societies, through interdisciplinary research on low energy demand while satisfying high services.</p> <p>RITE Home page ;  <a href="https://www.rite.or.jp/system/en/events/2022/10/cop27.html">https://www.rite.or.jp/system/en/events/2022/10/cop27.html</a> </p> <p>IIASA Home page ;  <a href="https://iiasa.ac.at/events/nov-2022/rite-iiasa-side-event-on-edits-at-unfccc-cop27">https://iiasa.ac.at/events/nov-2022/rite-iiasa-side-event-on-edits-at-unfccc-cop27</a> </p>
<b>Speakers</b>	<p>Moderator :</p> <p>Joyashree Roy, Asian Institute of Technology (AIT)</p> <p>Speakers/Panelists :</p> <p>Keigo Akimoto, Research Institute of Innovative Technology for the Earth (RITE)</p> <p>Bas van Ruijven, International Institute for Applied Systems Analysis (IIASA)</p> <p>Diana Urge-Vorsatz, Central European University (CEU), IPCC WG3 Co-Vice chair</p> <p>Elena Verdolini, European Institute on Economics and the Environment (EIEE)</p>

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## 2022.11.17 THU

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### 13:00 - 14:30 **Quad Workshop on Subnational Climate Action**

<b>Organizer</b>	Ministry of the Environment, Government of Japan
<b>Seminar abstract</b>	<p>QUAD countries will hold this workshop based on the Q-CHAMP launched in the QUAD Summit held in May 2022.</p> <p>The workshop aims to ① encourage information sharing, ② provide an opportunity for subnational entities to learn from each other, and ③ facilitate options for city-to-city collaboration for promotion of subnational climate actions.</p> <p>In Session 1, measures by national governments to promote subnational climate actions and cases of international city-to-city collaboration will be shared. In Session 2, there will be a presentation on programs to support subnational climate actions, followed by a panel discussion from presenters.</p> <p><a href="https://www.iges.or.jp/en/events/20221117">https://www.iges.or.jp/en/events/20221117</a> </p>
<b>Speakers</b>	TBD



## 2022.11.17 THU

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### 14:50 - 15:50 **Leading Actions towards Zero Carbon Cities**

<b>Organizer</b>	Ministry of the Environment Government of Japan OECD
<b>Seminar abstract</b>	<p>In order to realize a decarbonized society, it is important to promote the decarbonization of cities, which account for about 70% of global emissions. Actions of local governments are critical, as they can motivate and coordinate actions of various stakeholders and sectors in an integrative way and according to local characteristics from the planning to the implementation stage.</p> <p>Under its Regional Decarbonization Roadmap, Japan aims to create 100 leading decarbonization areas by 2030 and roll out these practices to other regions (decarbonization domino) through collaboration between national and local governments. EU launched the mission to deliver 100 Climate Neutral and Smart Cities by 2030, recognizing that cities should act as experimentation and ecosystem to help cities' transition to become carbon neutral by 2030.</p> <p>This side event will introduce the initiatives of Japan and the EU to create and identify leading regions for decarbonization with the aim of promoting the decarbonization of cities across the world.</p> <p><a href="https://www.iges.or.jp/en/events/20221117-0">https://www.iges.or.jp/en/events/20221117-0</a></p>
<b>Speakers</b>	Vice-Minister for Global Environmental Affairs OECD EU Mr. Fujimoto, Mayor of Tokorozawa City

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## 2022.11.17 THU

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### 16:10 - 17:10 **Climate innovation and technologies for building decarbonized society in Africa – facilitative approaches and cooperative mechanisms for maximizing public and private sector partnerships**

<b>Organizer</b>	United Nations Industrial Development Organization
<b>Co-organizer</b>	The African Development Bank
<b>Seminar abstract</b>	<p>Energy demand in Africa is expected to significantly increase further over the next decades. The continent is endowed with various types of energy resources however many countries yet faces a pressing development issue of creating reliable, sustainable and resilient energy system. Innovative approaches are needed to address inadequate generation capacity, limited electrification, unreliable services, and high energy costs while reducing GHG emission. It will in turn contribute for making progresses in achievement of SDGs including through stable access to clean energy for industries and companies which are the core engines for growth.</p> <p>The event will gather stakeholders from bot public and private sectors and discuss and identify effective and facilitative ways forward for enhancing policy support, partnership, technology dissemination, capacity for long-term decarbonization. As practical measures, UNIDO`s recent technical cooperation will be featured with a view to promote the partnership and cooperative approaches including Joint Crediting Mechanism (JCM) as well as regional partnership for geothermal power generation in cooperation with African Development Bank (AfDB).</p>
<b>Speakers</b>	MOEJ (METI) AfDB Deloitte Tohmatsu Consulting LLC and private companies

**2022.11.17 THU**
**17:30 - 18:30**

## **Carbon Neutrality by Circular Economy -Accelerating circular economy actions by the private sector and key drivers-**

### **Organizer**

Ministry of the Environment, Government of Japan

### **Seminar abstract**

Circular Economy (CE) is necessary to realize a carbon neutral society, as it has been pointed out that making the economy more circular is essential to increase the potential for significant and accelerated greenhouse gas reductions (GHG) in all relevant sectors. In this field, the Japanese government, together with Keidanren, launched a public-private partnership in March 2021, and has held a total of seven public-private dialogues by September 2022. This seminar aims to contribute to the "Circular Economy and Resource Efficiency Principles (CEREP)" to be formulated at the G7 Ministerial Meeting in 2023 by discussing how the private sector, including Japanese companies, can be positioned at the core of management in the CE sector and how to implement this as a strategy.

The aim of the seminar is to discuss the development and dissemination of the Circular Economy and Resource Efficiency Principles (CEREP), which will serve as a common thread to guide companies willing to achieve their Net Zero ambitions toward a more circular world, as CE is a positive issue that contributes to the economy, environment, and society, including climate change, biodiversity, and resource constraints. The goal is to build momentum and increase the involvement of private sector constituents, making this seminar a milestone in the promotion of a circular economy that contributes to a carbon-neutral society.

### **Speakers**

Minister of the Environment, Japan  
 Minister of the Environment, the Netherlands (TBD)  
 World Economic Forum  
 Other private companies (TBD)

## 2022.11.18 FRI

### 13:00 - 14:30 **Challenge of RD20 toward the realization of a carbon neutral society**

**Organizer** Ministry of Economy, Trade and Industry

**Seminar abstract** We will introduce RD20, a conference of leading research institutes from G20 members, established in 2019. Especially it will be explained to actionize the plan of "Leaders Statement" established in 2021, such as Summer School, Communication, Workshop, Taskforce, and Researcher Exchange, and a collaborative research that RD20 served as an opportunity.

**Speakers** Presenter from National Institute of Advanced Industrial Science and Technology(AIST)

## 2022.11.18 FRI

### 15:00 - 16:30 **Nature-based solutions in forest sector to promote mitigation and adaptation against climate change**

**Organizer** Forestry and Forest Products Research Institute

**Co-organizer** The International Tropical Timber Organization (ITTO)

**Seminar abstract** Mitigation through the promotion of REDD+ and adaptation to the negative impacts of climate change through forest conservation are expected to be nature-based solutions (NbS). This event will explore ways to promote mitigation and adaptation against climate change by NbS in the forest sector.

**Speakers** Aya Uruguchi (Conservation International Japan)  
Dr. Sheam Satkuru (Executive Director, ITTO)  
Takashi Okamoto (Forestry and Forest Products Research Institute, Japan)  
Dr. Jorge Recharte (President, Instituto Andino de Montaña, Peru)  
Moderator: Dr. Yasumasa Hirata (Forestry and Forest Products Research Institute, Japan)

## 2022.11.18 FRI

### 17:00 - 18:30 **Emission Reduction Paths in the Road Transport Sector toward Carbon Neutrality -Concepts in the IPCC AR6-(TBD)**

**Organizer** Japan Automobile Manufacturers Association

**Seminar abstract** Introduction by IPCC authors on the emission reduction path for road transport sector in the Transport chapter of the IPCC AR6, followed by further discussion amongst the automotive industry stakeholders.

**Speakers** Graduate School of Public Policy (The University of Tokyo)  
ARIMA Jun (Project Professor)  
Research Institute of Innovative Technology for the Earth (RITE)  
AKIMOTO Keigo  
Japan Automobile Manufacturers Association (TOYOTA MOTOR CORPORATION)  
Chairperson of the International Climate Change Policy Sub-committee  
AIBA Takao(TBC)