

2019 International Workshop of EMF 35 JMIP

Agenda



Date: December 5th, 2019
Venue: B1F (Gallery 1), Ito international research center,
 The University of Tokyo, Hongo Campus

Objective of the meeting:

This is the second international workshop or [Stanford EMF 35 Japan Model Intercomparison Project](#): Assessment of long-term climate policy (JMIP). We aim to review the current progress of the project as well as foster conversations in the Asian countries that share similar characteristics such as a large presence of heavy industry.

Overview of the project:

Japan's energy policy is at a critical juncture. As Japan is still trying to manage the ramifications of the 2011 nuclear disaster caused by the Great East Japan Earthquake, the country faces many important energy choices regarding nuclear power, renewables, end-use technologies, and carbon capture and storage (CCS).

The EMF 35 JMIP attempts to provide a multi-model analysis of a range of possible climate and energy policy pathways over the period up to 2050. It will examine the effects of technology choices and the relationship between the mid-term policy (up to 2030) and the long-term policy (by 2050) as well as the challenges of climate action by sector. This study builds on the previous exercises for other regions (in particular, EMF 24 US climate policy and EMF 28 climate policy of the European Union).

The key research questions include:

- What would the Japan energy system transition look like to meet the emissions reductions goals in 2030 and 2050, as laid out in its nationally determined contribution (NDC) and its long-term vision?
- What is the interplay between the 2030 and 2050 targets?
- How might technological improvements and technological availability influence the two questions above?

Organizers

Project 2-1704 of Environment Research and Technology Development Fund of the Environmental Restoration and Conservation Agency
 Global Energy Policy and East Asia Research Unit, Institute for Future Initiatives (IFI), The University of Tokyo
 Stanford Energy Modeling Forum

Language

English

The workshop is supported by the Environment Research and Technology Development Fund 2-1704 of the Environmental Restoration and Conservation Agency and the Canon Institute for Global Studies (CIGS).

Schedule

Morning session: model intercomparison and regional outlook

10:00-10:30
 Opening remarks
 Kazuhiro Wada
 Ministry of the Environment

Taishi Sugiyama
 Canon Institute for Global Studies

John Weyant
 Stanford University

10:30-10:50
 Speaker: Masahiro Sugiyama
 Associate Professor, Institute for Future Initiatives at the University of Tokyo
 Title: EMF 35 JMIP: overview, findings, and way forward

10:50-11:10
 Speaker: Fei Teng
 Associate professor, Institute of Energy, Environment, and Economy at Tsinghua University
 Title: The China Energy Modeling Forum (CEMF) and progress of China's mid century low emission development strategy

11:10-11:30
 Speaker: David Wogan
 Assistant Vice President, Asia Pacific Energy Research Centre (APEREC)
 Title: APEC Energy Outlook through 2050

11:30-11:40 Break

11:40-12:30
 Panel discussion moderated by John Weyant
 Professor of Management Science and Engineering, Director of the Energy Modeling Forum (EMF), and Deputy Director of the Precourt Institute for Energy Efficiency at Stanford University
 Panelists: Masahiro Sugiyama, Fei Teng, David Wogan, Bin Su, Yong-Gun Kim

12:30-12:35
 Group photo

Lunch break

12:35-14:00
 13:45-14:00 EMF 35 JMIP internal business (special issue, authorship, data definitions (bunker, etc.))

Afternoon session 1: JMIP in depth

Chatham House rule

14:00-14:15
 Speaker: Shiraki Hiroto
 Lecturer, School of Environmental Science, Department of Environmental Policy and Planning at The University of Shiga Prefecture
 Title: The impact of renewables in the Japanese power sector

14:15-14:30
 Speaker: Yiyi Ju
 Project researcher, Institute for Future Initiatives at the University of Tokyo
 Title: Industrial decarbonization under Japan's national mitigation scenarios: a multi-model analysis

14:30-14:45
 Speaker: Shogo Sakamoto
 Lead researcher, Environmental Science Research Laboratory, Central Research Institute of Electric Power Industry
 Title: Electrification in Japan's Mid-century Climate Change Mitigation: Model inter-comparison exercise

14:45-15:15
 Discussion moderated by Shinichiro Fujimori

15:15-15:30
 Break

Afternoon session 2: Mitigation challenges in Asia

15:30-15:55
 Speaker: Yong-Gun Kim
 Chief Research Fellow, Korea Environment Institute
 Title: Integration of top-down and bottom-up model for evaluation of GHG mitigation potential in Korea

15:55-16:15
 Speaker: Shivika Mittal
 Post Doctoral Researcher, Ahmedabad University
 Title: An Assessment of Near-to-Mid-Term Economic Impacts and Energy Transitions under "2° C" and "1.5° C" Scenarios for India

16:15-16:35
 Speaker: Poonam Nagar Koti
 Programme Associate, Council on energy, environment and water
 Title: Mitigation Challenges in India: Scope and Opportunities in the Transportation sector

16:35-16:40
 Speaker: Haris Doukas and Alexandros Nikas
 (National Technical University of Athens)
 A short presentation on PARIS REINFORCE

16:40-17:05
 Open discussion moderated by Masahiro Sugiyama

17:05-17:10
 Closing

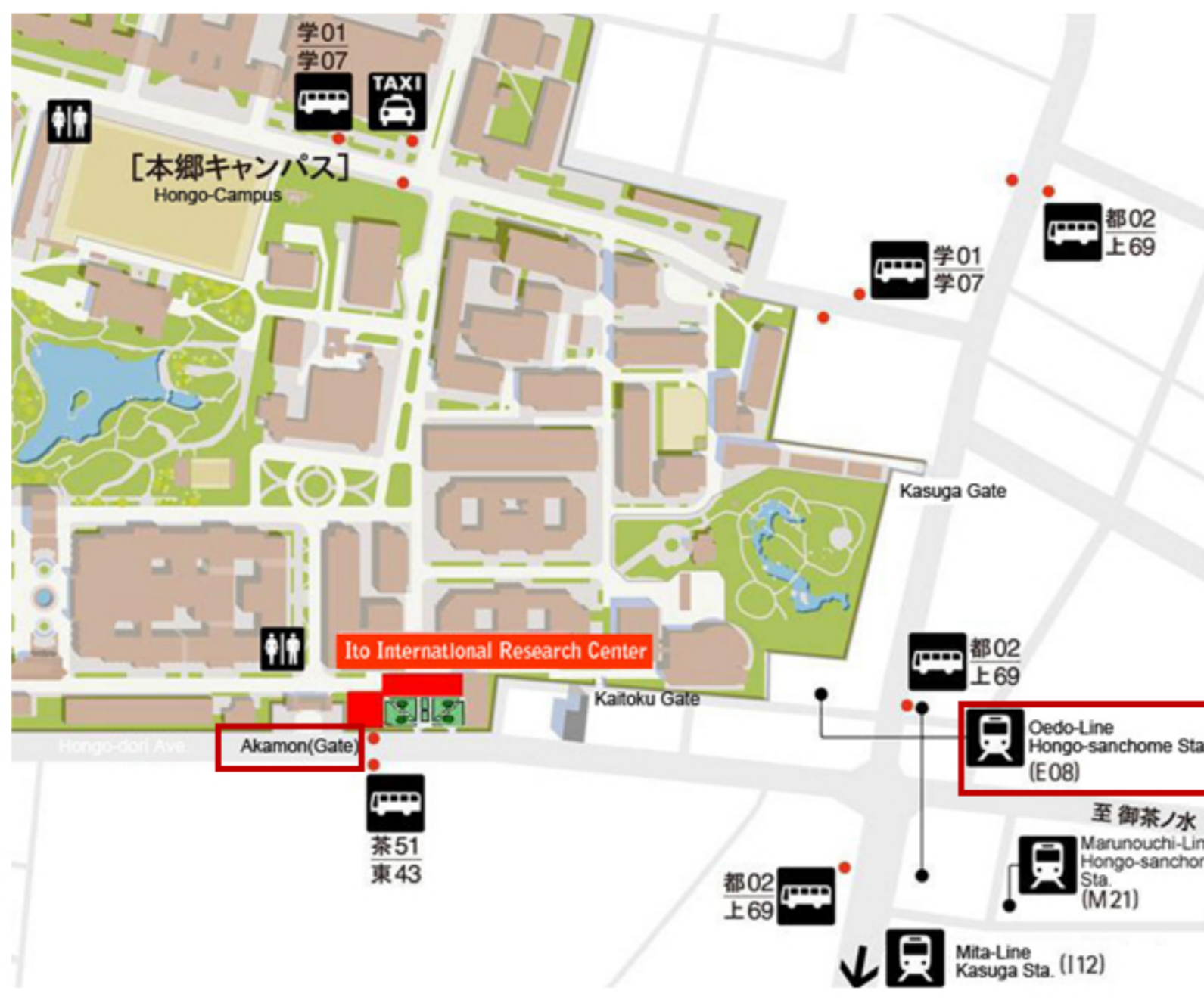
17:30-
 Dinner
 @ CRAFT WORKS (Italian beer bar)

Logistics notes

Our workshop venue

Workshop @Ito international research center University of Tokyo
 7 Chome-3-1 Hongo, Bunkyo City, Tokyo 113-0033

Dinner @ CRAFT WORKS
 B1F 5 Chome-24-2, Hongo, Bunkyo City, Tokyo 113-0033



From Tsukuba to our workshop venue

Around 65 minutes in total.
 From Tsukuba Station [by Tsukuba Express]– Shin-Okachimachi Station

Tsukuba Station

Tsukuba Express Rapid Akihabara

▲ 43 min (7 stops) - Stop ID: 20

- Moriya Station
- Nagareyama-Ōtakanomori Station
- Minami-Nagareyama Station
- Kitasenju Station
- Minami-Senju Station
- Asakusa Sta.

Service run by [首都圏新都市鉄道](#)

Shin-Okachimachi Station

Tsukuba Station

Tsukuba Express Sub Rapid Ak

▲ 50 min (14 stops) - Stop ID: 20

- Kenkyūgakuen Station
- Bampaku-kinenjōen Sta.
- Midorino Station
- Miraidaira Station
- Moriya Station
- Kashiwanoha-Campus Station
- Nagareyama-Ōtakanomori Station
- Minami-Nagareyama Station
- Misatocho Station
- Yashio Station
- Kitasenju Station
- Minami-Senju Station
- Asakusa Sta.

Service run by [首都圏新都市鉄道](#)

(Rapid trains and Sub Rapid trains take different time and fees to reach the Shin-Okachimachi Station. Google maps can provide a detailed schedule. Please also check [Tsukuba Express]: <http://www.mir.co.jp/en/>)

From Shin-Okachimachi Station [by Tokyo Metro Oedo Line] – Hongo-Sanchoe station

Shin-Okachimachi Station

Oedo Line Local Tocho-Mae via Iidabashi

▲ 4 min (2 stops) - Platform 1 - Stop ID

Ueno-okachimachi Sta.

Service run by [東京都交通局](#)

Hongo-sanchoe Station

From Hongo-Sanchoe station to venue



From the airports to our workshop venue

From Narita Airport
 [Narita Express] – Tokyo station – [Tokyo Metro Marunouchi Line] – Hongo-Sanchoe station (80 min.)
 [Keisei Skyliner] – Ueno (Keisei-Ueno) station – [JR Yamanote Line] – Okachimachi (Ueno-Okachimachi) station – [Tokyo Metro Oedo Line] – Hongo-Sanchoe station (80 min.)
 Narita Express: <http://www.jreast.co.jp/en/nex/>
 Keisei Skyliner: <http://www.keisei.co.jp/keisei/tetudou/skyliner/us/index.html>

From Haneda Airport
 [Tokyo Monorail] – Hamamatsuscho station – [JR Yamanote Line] – Tokyo station – [Tokyo Metro Marunouchi Line] – Hongo-Sanchoe station (50 min.)
 Tokyo Monorail: <http://www.tokyo-monorail.co.jp/english/index.html>
 JR: <http://www.jreast.co.jp/en/index.html>