

Hosted by National Institute for Environmental Studies  
Co-hosted by Institute for Global Environmental Strategies,  
WWF Japan,  
Department of Social Engineering, Tokyo Institute of Technology

# Possibility of Low Carbon Society

Report Seminar of Deep Decarbonization Pathways Project (DDPP) and  
Debrief Session of the Environment Research and Technology Development Fund 2-1402

**Oct. 7 2014**

**13:30~17:00 (Open13:00)**

**admission free  
simultaneous translation**

## <Venue>

**1F Kuramae Hall, Tokyo Tech Front**  
(1 minute walk from Ookayama station on Tokyu line)

## <Program>

- 13:30-13:40 Opening Remarks  
Tsuyoshi Fujita (National Institute for Environmental Studies)  
Laurence Tubiana (Special Representative of the French Minister of  
Foreign Affairs in charge of COP-21)  
Akio Takemoto (Ministry of the Environment, Government of Japan)
- 13:40-13:50 Introduction  
Toshihiko Masui (National Institute for Environmental Studies)
- 13:50-14:10 Outline of DDPP  
Emmanuel Guerin (Sustainable Development Solutions Network )
- 14:10-14:30 Deep Decarbonization Pathways in Japan  
Ken Oshiro (Mizuho Information & Research Institute, Inc.)
- 14:30-14:50 A Climate Target towards 2030 – NGO Perspectives –  
Naoyuki Yamagishi (WWF Japan)
- 14:50-15:10 Toward achieving the 2 degree goal: From the perspectives of carbon  
budget and resource efficiency  
Takeshi Kuramochi (Institute for Global Environmental Strategies)
- 15:10-15:30 Japan's Opportunity for Shifting to the New Society Era through Achieving  
Deep Decarbonization Pathways  
Shuichi Ashina (National Institute for Environmental Studies)
- 15:30-15:40 Break
- 15:40-16:50 Panel Discussion  
Emmanuel Guerin, Ken Oshiro, Naoyuki Yamagishi,  
Takeshi Kuramochi, Shuichi Ashina, Toshihiko Masui
- 16:50-17:00 Closing Remarks  
Naoya Tsukamoto (Institute for Global Environmental Strategies)

## Presenter

### Tsuyoshi Fujita

Director, National Institute for Environmental Studies (NIES)  
Prof. Tsuyoshi Fujita graduated from the University of Tokyo. His research fields are eco industrial development, low carbon city, urban environment simulation system and circular economy. He is presently engaged in the national Eco-City Initiative.

### Laurence Tubiana

Special Representative of the French Minister of Foreign Affairs in charge of COP-21, Professor and director of the Sustainable Development Center at Sciences Po Paris and Professor of Columbia University  
Prof. Laurence Tubiana is a graduate of the Institut d'Etudes Politiques de Paris, a Doctor of Economics and Inspector General of Agriculture. From 1997 to 2002, she was Project Leader on global environmental issues and Environmental Advisor to the Prime Minister Lionel Jospin. Previously, she was Director of Research at the National Institute of Agronomic Research and the representative of European NGOs to the World Bank. She is the founder of the Institute for Sustainable Development and International Relations (IDDRI).

### Akio Takemoto

Director, Research and Information Office, Ministry of the Environment, Japan  
Dr. Akio Takemoto started his professional career in the Ministry of the Environment, Japan in 1992. He has been in charge of the global environmental issues including climate change. He has also international experiences working for OECD and the Asia-Pacific Network for Global Change Research.

### Toshihiko Masui

Head, National Institute for Environmental Studies (NIES)  
Coordinate Professor, Tokyo Institute of Technology  
Dr. Toshihiko Masui got his PhD from Osaka University in 1997. Since 1998, he has been in charge of development of the AIM (Asia-Pacific Integrated Model) at NIES. Since 2000, he has taught at Tokyo Institute of Technology. He is also the member of few committees of the Central Environment Council.

### Emmanuel Guerin

Associate Director, Sustainable Development Solutions Network (SDSN) Senior Staff Associate, The Earth Institute of Columbia University  
Dr. Emmanuel Guerin learned environment and development economics, and political science and international relations at Sciences Po University. He has advised many governments, including the French government and the European Commission on their energy and climate policies. He leads the SDSN work on energy and climate policies and manages DDPP.

### Ken Oshiro

Consultant, Environment and Energy Division 1, Mizuho Information & Research Institute, Inc., Japan  
Mr. Ken Oshiro received MEng from Graduate School of Science and Technology, Keio University in 2009. He joined Mizuho Information & Research Institute in 2010. Since 2012, he is enrolled as a PhD student in Social engineering department at Tokyo Institute of Technology.

### Naoyuki Yamagishi

Leader, Climate and Energy Group, Conservation Division, WWF Japan  
Mr. Naoyuki Yamagishi holds a bachelor's degree in International Relations from Ritsumeikan University, and also holds a master degree in International Relations and Environmental Policy from Boston University. He joined WWF Japan in 2003. Since then he has mainly worked on policy advocacy on both Japanese domestic climate policy and international climate policy by participating UN climate negotiations as a representative from WWF Japan.

### Takeshi Kuramochi

Climate Policy Researcher, Climate and Energy Area, Institute for Global Environmental Strategies  
Dr. Takeshi Kuramochi is a Climate Policy Researcher in the Climate and Energy Area at IGES. He joined IGES in 2011 and currently conducts a wide range of research activities on both domestic and international energy/climate policies, ranging from a techno-economic assessment of mid-long term CO2 mitigation options to an in-depth analysis of Japanese climate finance to developing countries. He holds M.Sc. and Ph.D. degrees from Utrecht University (the Netherlands) and B.Eng. from the University of Tokyo.

### Shuichi Ashina

Senior Researcher, National Institute for Environmental Studies (NIES)  
Dr. Shuichi Ashina is a senior researcher of National Institute for Environmental Studies, from the year 2014. His research focuses on the field of Energy-Economy-Environmental system modeling and its application to Low Carbon Society scenarios both in Japan and Asia. He received his B.S., M.S. and Ph.D. degrees in mechanical and system engineering from Tohoku University.

### Naoya Tsukamoto

Principal Researcher, Secretary General, Institute for Global Environmental Strategies  
Mr. Naoya Tsukamoto has Master-Degree of Environmental Science in Johns Hopkins University, and Bachelor of Physics in the University of Tokyo. He started his professional career in the Ministry of the Environment, Japan in 1985. He started his research in the IGES from 2014, focusing on the climate-change issues and bilateral-relationship with China.

## What's DDPP ?

The Deep Decarbonization Pathways Project (DDPP) is a collaborative initiative to understand and show how individual countries can move to a low-carbon economy and how the world can meet the internationally agreed target of limiting the increase in global mean surface temperature to less than 2 degrees Celsius (°C). Achieving the 2°C limit will require that global net emissions of greenhouse gases (GHG) approach zero by the second half of the century. In turn, this will require a profound transformation of energy systems by mid-century through steep declines in carbon intensity in all sectors of the economy, a transition we call "deep decarbonization."

DDPP is convened under the auspices of the Sustainable Development Solutions Network (SDSN) and the Institute for Sustainable Development and International Relations (IDDRI). Currently, the DDPP comprises 15 Country Research Teams including Japan.

The DDPP will issue the 2014 report which presents preliminary findings on technically feasible pathways to deep decarbonization at the Climate Leaders' Summit in September. In the first half of 2015, the DDPP will issue a more comprehensive report to the French Government, host of the 21st Conference of the Parties (COP 21) of the United Nations Framework Convention on Climate Change (UNFCCC).

All reports can be downloaded from the website of DDPP; <http://www.unsdsn.org/what-we-do/deep-decarbonization-pathways/>

## Registration

Please visit the URL mentioned below and fill out the registration form.

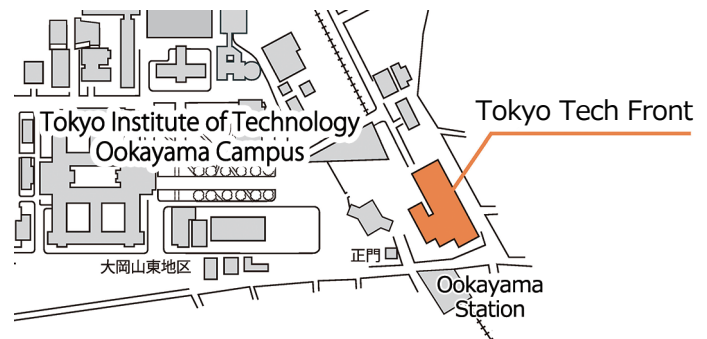
URL : <http://goo.gl/XH6ais>

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## Access

1F Kuramae Hall, Tokyo Tech Front  
1 minute walk from Ookayama station on Tokyu line



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