

International Workshop:
Future perspectives of bioenergy development in Asia

Wednesday 5 – Friday 7 September 2018

Tokyo, Japan

Venue for the workshop 6 & 7 September 2018: NEDO branch office (Daido-Seimei Kasumigaseki
Bldg 12F, 1-4-2 Kasumigaseki Chiyodaku Tokyo, 100-0013)

Final programme as of 22 August 2018

Organised by:



Co-organised by:



Background: rapid growth for bioenergy in Asia

Many East and Southeast Asian countries see rapid development in the use of both liquid and solid biomass for modern bioenergy. Apart from using domestic biomass, Japan and South Korea have started to import large volumes of wood pellets for cofiring with coal from countries in the Pacific Rim such as Indonesia, Vietnam and Western Canada. In Thailand, Malaysia, Indonesia and several other Asian countries, the trade and use of liquid biofuels in transport and the modern use of solid agro-residues for combustion and anaerobic digestion is increasing rapidly, facilitated by conducive support frameworks.

At the same time, during this development, stakeholders are exposed to many of the issues that many existing member countries of IEA Bioenergy have already experienced: difficulties in establishing high-quality biomass commodities, adapting existing equipment to the use of biomass, optimization of supply chains, sustainability assurance, etc. These are all issues where East and Southeast Asian countries would likely benefit from experience gained in IEA Bioenergy countries. At the same time, many Asian countries have relevant experience to share with the current IEA Bioenergy member countries. However, membership of IEA Bioenergy from this region is currently limited to Japan and South Korea.

Aims of this workshop:

IEA Bioenergy organizes a workshop in cooperation with NEDO / METI with support from the REI in Japan on **potential technical and organizational improvements of biomass supply chains**, including pretreatment technologies, bio-refineries, logistics/trade, final conversion/end-use and overarching topics such as **sustainability assurance frameworks and policy support options**. This workshop on the one hand provides such technical information to Asian member countries, but also information on the activities of IEA Bioenergy to support the decision making process for membership. The target group for the workshop therefore consists of industrial stakeholders as well as policy makers, academics and local biomass associations (preliminary contacts in various countries are available in several IEA Bioenergy Tasks).

The organization of this workshop is led by IEA Bioenergy Task 32 (Biomass Combustion and Cofiring) and Task 40 (Sustainable Biomass Markets and Trade) and the IEA Bioenergy Executive Committee, with additional inputs from other IEA Bioenergy members on the Pacific Rim (Korea, Australia, New Zealand and Canada). Practical local organization (hosting) of the event is provided by NEDO / METI.

Optional site visit

Wednesday 5 September:

13:00	Departure by bus from SHINBASHI ATAGOYAMA TOKYU REI HOTEL.
	Visit to Showa Shell Kawasaki Biomass Power Plant (49MWe using wood chips and palm kernel shells). There is only place for 20 participants, which will be allotted on first-come, first-serve basis.
17:00	Return at SHINBASHI ATAGOYAMA TOKYU REI HOTEL

Keihin Biomass Power

The study tour will take place on Wednesday 5th September 2018. A bus will depart from SHINBASHI ATAGOYAMA TOKYU REI HOTEL at 13:00 hours and go to Showa Shell Kawasaki Biomass Plant (49 MWe using wood chips and palm kernel shells). For more information, see http://www.showa-shell.co.jp/english/press_release/pr2013/0807.html



Please indicate on the registration form that you are planning to attend the study tour. There are no costs involved, however, there are a limited number of seats.

Programme - Thursday 6 September: Workshop part 1

08:30	Registration
09:00	Opening remarks <ul style="list-style-type: none"> - Mr. Hiroyuki Kondo, NEDO, Director General of new energy department
09:05	Keynote speech <ul style="list-style-type: none"> - Mr. Jim Spaeth , U.S. Department of Energy, Chair of IEA Bioenergy: Introduction to the IEA Bioenergy TCP - Takuya Yamazaki, Director, New and Renewable Energy Division, Agency for Natural Resources and Energy, METI: Japan's Renewable Energy Policy
09:30	Session 1: Setting the scene - An overview of Asian bioenergy policy and market Moderator: Kees Kwant, RVO, the Netherlands <ul style="list-style-type: none"> - China: Dr. Dou Kejun, Senior Bioenergy Adviser, China National Renewable Energy Centre, Industry Coordination Dep. - South Korea: Mr. Jin-Suk Lee, Korea Institute of Energy Research - Malaysia: Mr. Timothy Ong, Head of International Biomass Strategy Delivery Unit - Vietnam: Ms. Khanh Nguyen, Renewable Energy Advisor, Deloitte Consulting - Indonesia: Mrs. Andriah Feby Misna, Director of Bioenergy, Directorate General of New and Renewable Energy (DGNRE) under the Ministry of Energy and Mineral Resources (to be confirmed)
11:00 Coffee break	
11:15	Session 2: Establishing a sustainable international supply chain Moderator: Prof. Martin Junginger, Utrecht University / Leader of Task 40 IEA Bioenergy Speakers / panelists: <ul style="list-style-type: none"> - Overview of solid and liquid biomass trade globally and emerging in SE and East Asia / Pacific Rim; highlights of the global wood pellet study of Task 40: Prof. Martin Junginger, Utrecht University - Showcase pretreatment: impact of torrefaction pretreatment on costs delivered CIF in Japan and on supply chain GHG emissions: Mr. Michael Wild, International Biomass Torrefaction Council - Experiences in Japan: Mr. Issei Sawa, President, Nippon Environmental Energy Development Co., LTD. Q&A session: how to realize sustainable international supply chain – panel discussion
12:45 Lunch break, sponsored by SBP	



<p>14:00</p>	<p>Session 3: Experiences of large scale application of biomass</p> <p>Moderator: Mr. Jaap Koppejan / Leader of Task 32 IEA Bioenergy</p> <p>Speakers / panelists:</p> <ul style="list-style-type: none"> – Overview of global experience with different cofiring configurations, fly ash utilisation options: Jan Middelkamp, DNV GL, Netherlands – Commercial experiences on full conversions to white and black pellets: Brian Mori, Director of Innovation, Renewable Generation, Ontario Power Generation – Co-firing and biomass utilization of Japan’s coal power plants: Dr. Kinya Sakanishi, Fukushima Renewable Energy Institute, AIST (FREA) <p>Question and answer session: how to make use of existing coal infrastructure in an optimal way with available biomass resources – discussion with the panel</p>
<p>15:30 Coffee break</p>	
<p>15:45</p>	<p>Session 4: Sustainability of biomass:</p> <p>Moderator: Tomas Kåberger, Chair of Executive Board of the Renewable Energy Institute and Professor of Industrial Energy Policy at Chalmers University of Technology (TBC)</p> <ul style="list-style-type: none"> – Intro: why is sustainability important, overview of developments in the EU and other IEA Bioenergy member countries (past and perspectives for future): Kees Kwant, RVO – Overview of results from the IEA Bioenergy Inter-task project on realizing sustainable supply chains: Martin Junginger, Utrecht University – How to monitor and govern sustainability: existing certification systems for solid and liquid biomass: Carsten Huljus, CEO Sustainable Biomass Program (SBP) – Sustainable biomass procurement for Japan’s bioenergy sector: Takanobu Aikawa, Renewable Energy Institute <p>Question and answer session: how to implement sustainability governance schemes in Asia - discussion with the panel led by Martin Junginger</p>
<p>17:15</p>	<p>Reception</p>

Programme – Friday 7 September: Workshop part 2

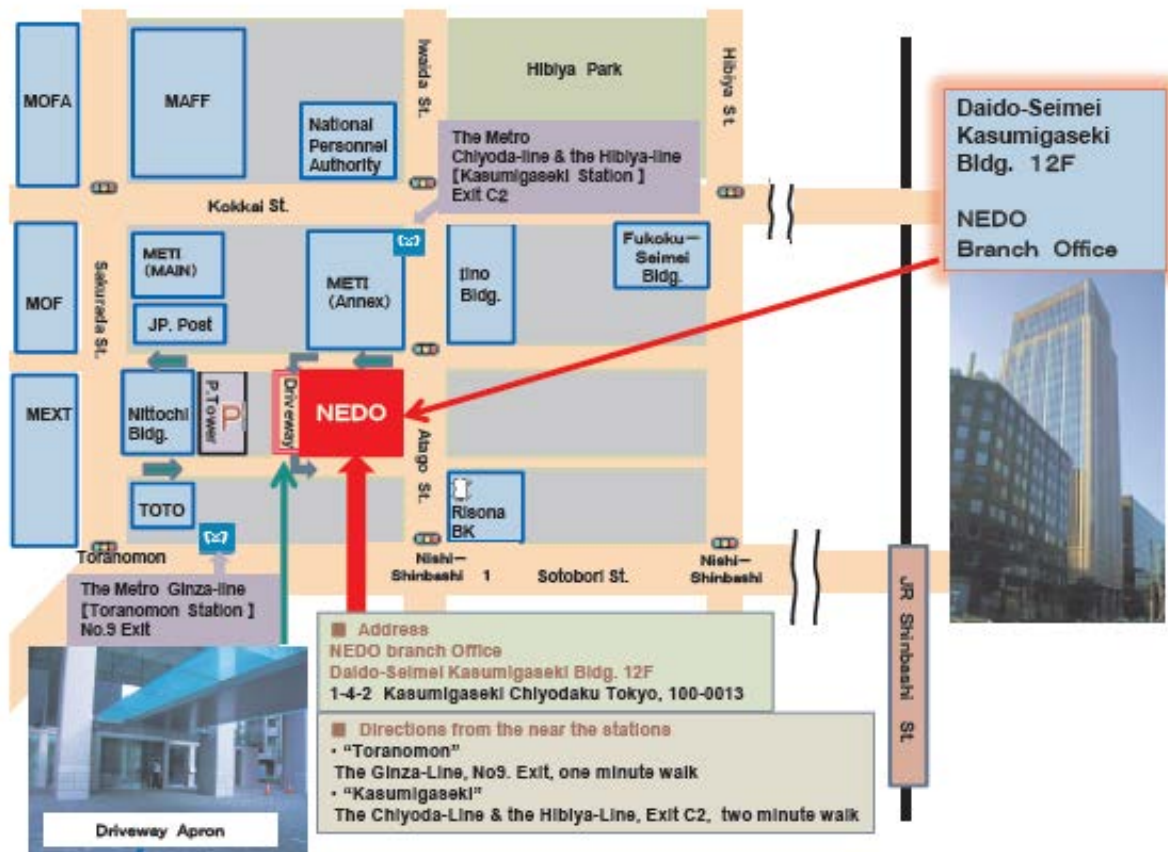
<p>9:00</p>	<p>Session 5: Future perspectives of regional development</p> <p>Moderator: Prof. Dr. Hideo Sakai, Japan Woody Bioenergy Association (JWBA)</p> <ul style="list-style-type: none"> – Sweden: Tomas Kåberger, Chair of Executive Board Renewable Energy Institute and Professor of Industrial Energy Policy at Chalmers University of Technology – Denmark: Ms. Izumi Tanaka, Embassy of Denmark, Japan – China: Dr. Dou Kejun, Senior Bioenergy Adviser, China National Renewable Energy Centre, Industry Coordination Dep. – Malaysia: Mr. Timothy Ong, Head of International Biomass Strategy Delivery Unit – Japan: Prof. Dr. Toshihiko Nakata, Tohoku University
<p>11:00</p>	<p>Forum discussion: Collaboration opportunities to realize sustainable bioenergy development in Asia</p> <p>Chair: Kees Kwant, RVO</p> <ul style="list-style-type: none"> – Members of IEA bioenergy (Japan, South Korea) – Invited observers from industry of current IEA Bioenergy member countries (Mr. Yamamoto Takeshi, Japan’s biomass power association (BPA) and others) and prospective member countries (to be announced) <p>This session will also aim to formulate conclusions from all sessions of the workshop</p>
<p>13:00</p>	<p>Closing and end of open workshop, lunch</p>
<p>14:00</p>	<p>Closed workshop for policy makers (invitation only)</p>
<p>17:00</p>	<p>End of program</p>

Practical arrangements

Location of the meeting

The workshop will take place at NEDO branch office (Daido-Seimei Kasumigaseki Bldg 12F, 1-4-2 Kasumigaseki Chiyodaku, 100-0013). The meeting will commence at 09:00 hours on Thursday 6 September 2018 with one and a half-day workshop.

An optional study tour has been arranged for Wednesday 5 September from 13:00 hours.



Registration

The workshop itself can be attended free of charge, however we do require you to register as the number of seats are limited. Registration can be done on the following page: <https://goo.gl/forms/lcQV5RxLqCl9566Z2>

Travel and accommodation costs are at your own expenses.

Hotel Accommodation:

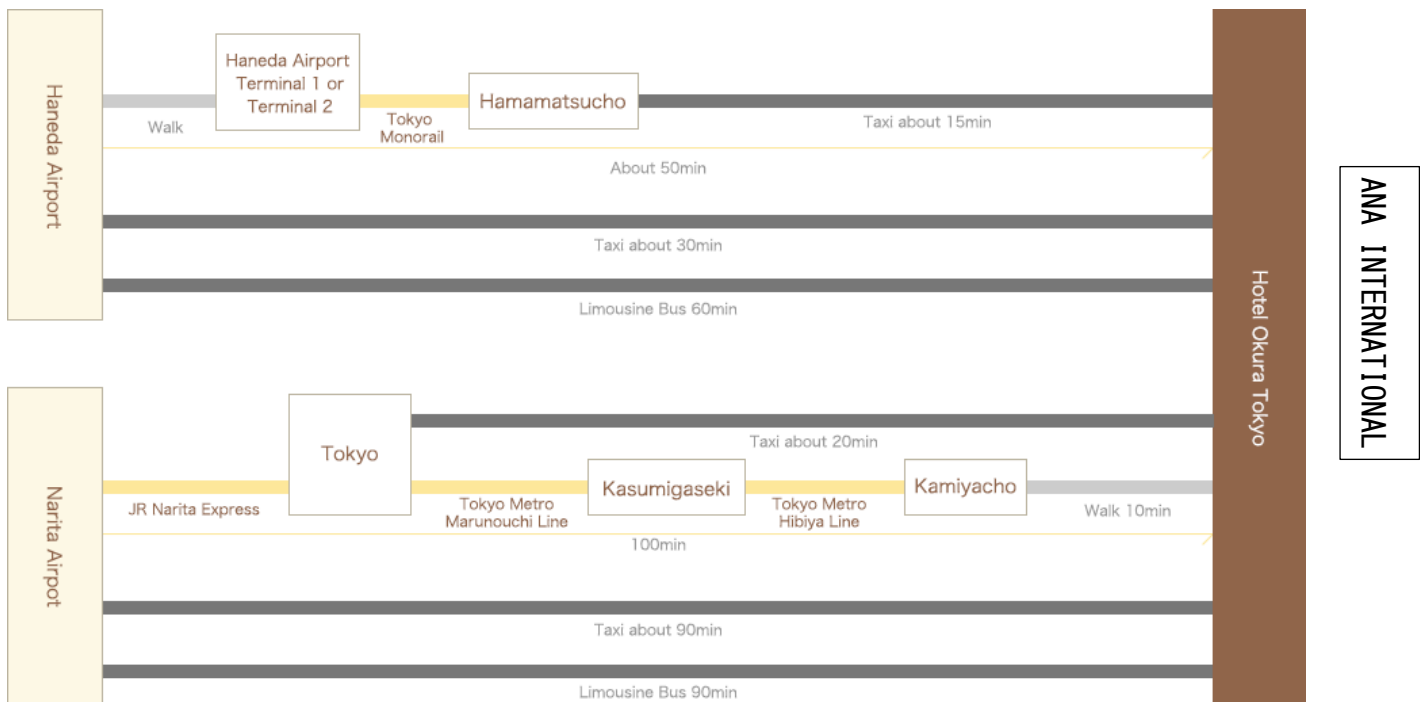
There are three hotels in the close vicinity of the NEDO building. We ask you to book a room yourself in one of these hotels. Suggested hotels are:

1. HOTEL OKURA, see www.hotelokura.co.jp/tokyo/en. This hotel is a 16 min walk to the NEDO conference room. Getting there from the airport: see [here](#)
2. ANA Intercontinental, see <http://anaintercontinental-tokyo.jp/en/>. This hotel is about 18min walking time to the NEDO conference room. Getting there from the airport: see [here](#).
3. Tokyu REI HOTEL, see <https://www.tokyuhotels.co.jp/atagoyama-r/>: walking time 8 min to NEDO conference room. Getting there from the airport: see [here](#).

The location of these hotels with respect to the NEDO building can be seen [here](#).

Airport Transfers:

There are airport transfers from Narita Airport and Haneda Airport to the downtown hotels, however trains and taxis can also be taken. Examples for the Okura hotel and ANA INTERNATIONAL are shown below. In case of the Tokyu REI HOTEL, please refer to the hotel webpage.



Limousine bus from Narita Airport to the hotels is JPN 3,100yen ONE WAY. Look for the Limousine Bus Counter located in the Arrival Lobby. The signboard reads "LIMOUSINE BUS TO DOWNTOWN HOTELS". Tickets may be purchased directly upon arrival at Narita without advance reservations. Upon purchase of your ticket, you will be advised of the departure time and gate number.

From **Haneda Airport**, tickets are JPN 1,130yen ONE WAY. Look for the Limousine Bus Counter located in the Arrival Lobby. The signboard reads “LIMOUSINE BUS TO DOWNTOWN HOTELS”. Tickets may be purchased directly upon arrival at Haneda without advance reservations. Upon purchase of your ticket, you will be advised of the departure time and gate number. The URL of the other Limousine bus is indicated below.

<http://www.limousinebus.co.jp/en/>

Official Dinner:

An official dinner is planned for the evening of Thursday 6th September 2018 at restaurant ‘Matsumotorou’ <http://www.matsumotoro.co.jp/>. On this occasion each person shall be responsible for his/her food bill. Final details will be announced at the meeting.

Currency:

The currency in Japan is the Yen. As of June 2018, US\$1 is worth approximately Japanese Yen 110 and €1 is worth approximately Japanese Yen 129. These rates may be different at the time of your visit.

Climate:

The weather will be moderate, at the September with daytime temperatures in TOKYO typically range from a low of 21°C to a high of 27°C . The chance of a rainy day is 40%, and winds can also be expected. You are advised to dress accordingly.