

# ECAP34

## PROGRAM GUIDANCE

**12 – 15 November 2024 Tokyo Japan**

**International Cooperation Division  
The Energy Conservation Center, Japan**

# Remarks for Online Participants



- Participants should mute their microphones and only unmute if they wish to present/speak.



- Participants should only turn on their video camera when presenting or making an intervention, as turning on the video may impact the quality of the connections and voice quality.

## For Question and Answer session:



- Those who wish to ask or speak may use the chat room by typing their country and name and sending it.

# Execution System For the Workshop

Agency for Natural Resources and Energy (**ANRE**)  
Ministry of Economy, Trade and Industry (**METI**)  
経済産業省 資源エネルギー庁

The Energy Conservation Center, Japan (**ECCJ**)  
一般財団法人 省エネルギーセンター

ASEAN Centre for Energy (**ACE**)  
(ASEAN Partner)

# Background

- After PROMEEC, Promotion of Energy Efficiency and Conservation (implemented in 2000-2011) and the MTPEC, Multi-country Training Program on EE&C for ASEAN (implemented in 2005-2011), the new scheme, "ASEAN-Japan Energy Efficiency Partnership" (called AJEEP), was agreed to be implemented in the SOME-METI consultation Meeting held in 2012, where the new workshop in Japan, named as "Energy Conservation Workshop under AJEEP" (called ECAP) was placed as one of the AJEEP programs for AMSs.
- AJEEP is funded by Ministry of Economy, Trade and Industry (hereinafter referred to as "METI") and implemented on behalf of METI by The Energy Conservation Center, Japan (hereinafter referred to as "ECCJ") in cooperation with the Jakarta-based ASEAN Centre for Energy (hereafter referred to as "ACE").
- ECAP is the essential and basic workshop for the personnel from governments, public organizations and non-profit organizations. The ECAP program aims to assist ASEAN supported group in narrowing the gaps of capacities for energy conservation among ASEAN member states (AMSs).
- It also aims to enhance the cooperation between Japan and ASEAN in the field of energy efficiency and conservation.
- ACE is the intergovernmental organization to coordinate implementation of projects under ASEAN Plan of Action for Energy Cooperation (APAEC).

# Outline of the Scheme 5 (Period: FY2022-FY2025)

## Objectives



### Objective of the Scheme 5

To promote and disseminate the Advanced Technologies and Systems for Energy Management in line with APAEC Phase-II in Industry, Transport Sector, and Buildings towards **Carbon Neutrality (CN)**

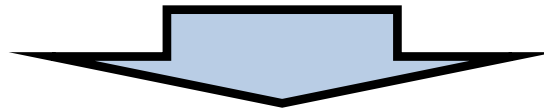


### Implementation

(1) Advancement of Energy Management in **industry**, EE&C/CN audit with participation of AAT

(2) Introduction of Energy Management in **transportation** through Online Seminar

(3) Spread of **ZEB Family Concept** towards net zero energy building through ECAP or Workshop



AAT: AJEEP ASEAN Trainer

### Objectives of AMS Capacity building for CN

To enhance the capacity of AMS to implement policies and incentives on sustainable EE in building

To raise awareness on energy use and methods to increase energy efficiency in transportation sector

To make/implement EE&C Project towards Carbon Neutrality

# Schedule of AJEEP (FY2024)

## Annual Activity

	2024 July	Aug.	Sept.	Oct.	Nov.	Dec.	2025 Jan.	Feb.	Mar.
AJEEP Plenary Mtg. etc.		Inception Mtg. (8/6-7) ↔							Post Mtg. (3/ - ) ↔
Scheme 4 SAEMAS			Country visit for CSM Dissemination (4 countries) ▼▼▼ ← - - - →					Online WS on CSM/AM/MRA, etc. (2/ ) ◆	
Scheme 5 Advanced EM toward CN		Start up Mtg. Thailand (8/ ) Malaysia (9/4) ▼	Transportation Online seminar (9/10) ◆ CN Diagnosis (4 countries) ▼ Online Mtg. on CN (9/12) ◆	Follow-up after CND - - - - -				Interim Mtg. on CN Diagnosis (2/5) ◆	
ECAP In JPN				ECAP-33 Building (10/28-11/1) ↔	ECAP-34 Industry (11/12-15) ↔	ECAP-35 SAEMAS (12/9-13) ↔			
ASEAN Mtg.	28 <sup>th</sup> EE&C-SSN (5/17) 25 <sup>th</sup> SOME-METI 23 <sup>rd</sup> SOME+3 (6/26-27) 18 <sup>th</sup> ASEAN+3 NRE & EE&C Forum (7/24)		42 <sup>nd</sup> AMEM (9/24-27 )						

# Objectives (ECAP34)

- (a) To learn the policy, incentive measure, management system and technologies towards CN in industrial sector.**
  - Main topic is “Hydrogen technologies”.**
- (b) To discuss the policy/measure towards CN and to make the draft plan for suitable incentive measures in industrial sector of participant’s countries.**

# PARTICIPANTS

## ASEAN

- EE&C policy makers for the industrial sector.
- Technical experts from government officials in charge of EE&C Policy and technology, etc.
- ASEAN coordinator from ACE (Mr. Rio Jon Piter Silitonga)

## Advisers / Experts

(ECCJ / International Cooperation Division)

- Advisor / Lecturer :
  - Mr. Motohiro WASHIMI
  - Mr. Yukihiro OKAMOTO
  - Mr. Takashi YAMANAKA
  - Mr. Toshio ANDO
  - Mr. Takashi KANAZAWA
  - Mr. Niro KITAGAWA



# Lecturers (1)

**Lecturers / Japanese organizations, private companies and ACE**

## ➤ **Day 1 (Tue. 12<sup>th</sup> Nov.)**

### ◆ **Mr. Yotaro MIYAGAWA**

Hydrogen and Ammonia Division, Energy Efficiency and Renewable Energy Department, **METI**

Theme : Japan's Policies Towards a Hydrogen Society

### ◆ **Mr. Rio Jon Piter Silitonga** **ASEAN Centre for Energy (ACE)**

Theme : ASEAN's Latest Policies and Initiatives towards Carbon Neutrality

### ◆ **Dr. Yoshiyuki KURODA**

Yokohama National University / **Hydrogen Energy Systems Society of Japan (HESS)**

Theme : Hydrogen-Related Technologies Toward Future Carbon Neutrality

### ◆ **Ms. Moe HOSOTANI**

**New Energy and Industrial Technology Development Organization (NEDO)**

Theme : Outline of Japan's R&D and Social implementation plans for Green Transformation

### ◆ **Dr. Yoshimi OKADA** **Chiyoda Corporation**

Theme : Global hydrogen Value Chain Solution

# Lecturers (2)

## Lecturers / Japanese organizations and private companies

### ➤ Day 2 (Wed. 13<sup>th</sup> Nov.)

#### ◆ Ms. Chikako IKEDA

##### **Tokyo Metropolitan Government**

Theme : Tokyo Metropolitan Government's Efforts to Expand and Promote the Use of Hydrogen Energy

#### ◆ Mr. Nao TAKADA

##### **Japanese External Trade Organization (JETRO), Jakarta Office**

#### ◆ Ms. Yuko CHIKAZOE

##### **Japanese External Trade Organization (JETRO), Bangkok Office**

Theme : Activities of JETRO in Promoting Carbon Neutrality in ASEAN

- Mr. Hiroyuki MARUYAMA  
Kanadevia Corporation

- Mr. Ryo SASAMOTO  
Thermalytica Inc.

# Site Visit

## ➤ Day 3 (Thu. 14<sup>th</sup> Nov.)

### ◆ Yamanashi Hydrogen Company (YHC) Tokyo Electric Power Company Holdings, Inc.

Theme : P2G (Power to Gas) Project

- Production, Supply, Sales, Energy Services, Storage, Transportation, and Dissemination of Hydrogen

Electrification and Hydrogenation to Achieve Carbon Neutrality

# Program Schedule - Day 1 (Tue 12th Nov)

(JST : GMT+9)

09:30 - 10:10	Orientation, Program guidance, Self-introduction	ECCJ/ Mr. Yamanaka Mr. Okamoto
10:10 - 10:50	Opening remarks	ECCJ / Mr. Koizumi ACE / Mr. Silitonga Rep of trainee/
10:50 - 11:00	Group Photo	
11:00 - 11:30	Keynote lecture : Japan's Policies Towards a Hydrogen Society	METI / Mr. Miyagawa
11:30 - 12:00	Keynote Lecture : ASEAN's Latest Policies and Initiatives towards CN	ACE / Mr. Silitonga
12:00 - 13:30	Lunch break	
13:30 - 14:00	ECAP items of Industry Sector for FY2024 & FY2025 according to the Questionnaire result	ECCJ / Mr. Kanazawa
14:00 - 15:00	Lecture : Hydrogen-Related Technologies Toward Future Carbon Neutrality	HESS / Dr. Kuroda
15:00 - 15:50	Lecture : Outline of Japan's R&D and Social implementation plans for Green Transformation	NEDO / Ms. Hosotani
16:00 - 16:50	Lecture: Global hydrogen Value Chain Solution	Chiyoda Corporation / Dr. Okada
16:50 - 17:20	Q&A	AMS,ECCJ, Chiyoda Corporation

# Program Schedule - Day 2 (Wed 13th Nov)

09:30 - 12:00	<b>Presentation of Country Report :</b> <b>&lt;Subject&gt; Updated Current / Planned Policy / Measure towards CN</b>  <b>Cambodia</b> <b>Indonesia</b> <b>Lao PDR</b> <b>Malaysia</b> <b>Philippines</b> <b>Singapore</b>	AMS Participants
12:00 - 13:30	<b>Lunch Break</b>	
13:30 - 14:30	<b>Presentation of Country Report :</b> <b>Thailand</b> <b>Vietnam</b>	AMS Participants
14:40 - 15:30	<b>Lecture: Tokyo Metropolitan Government's Efforts to Expand and Promote the Use of Hydrogen Energy</b>	<b>Tokyo Metropolitan Government / Ms. Ikeda</b>
15:30 - 16:30	<b>Lecture: Activities of JETRO in Promoting Carbon Neutrality in ASEAN</b>	<b>JETRO</b> <b>Jakarta / Mr. Takada</b> <b>Bangkok / Ms. Chikazoe</b> <b>Kanadevia Corporation / Mr. Maruyama</b> <b>Thermalytica Inc. / Mr. Sasamoto</b>
16:30 - 16:50	<b>Q&amp;A</b>	<b>AMS,ECCJ,JETRO</b>

# Program Schedule - Day 3 (Thu 14th Nov)

<b>08:00 - 13:00</b>	<b>Move from Hotel / Lunch</b>	
<b>13:00 - 15:30</b>	<b>Site Tour: PSG (Power to Gas) Project - Production, Supply, Sales, Energy Services, Storage, Transportation, and Dissemination of Hydrogen</b>	<b>Yamanashi Hydrogen Company (YHC)</b>
<b>15:30 - 19:00</b>	<b>Move to Hotel</b>	

# Program Schedule - Day 4 (Fri 15th Nov)

<b>09:30 - 09:50</b>	<b>Explanation of Group Discussion</b>	<b>ECCJ</b>
<b>09:50 - 11:30</b>	<b>Group Discussion</b>	<b>AMS</b>
<b>11:30 - 13:30</b>	<b>Lunch Break</b>	
<b>13:30 - 15:20</b>	<b>Summary of Group Discussion and Presentations by Participants</b>	<b>AMS</b>
<b>15:20 - 15:50</b>	<b>Summary of Training Program – Outcome and Future Challenge</b>	<b>ACE/ Mr. Silitonga</b>
<b>15:50 - 16:40</b>	<b>Closing Remarks, Awarding of Certificates, Closing Ceremony</b>	<b>ECCJ / Mr. Koizumi ACE / Mr. Silitonga Rep of trainee/</b>
<b>16:40 -</b>	<b>Information Exchange</b>	

# Policies, support measures, etc. towards CN in your country

1. Climate Change Initiatives	
	<b>1-1. Name of the initiatives, competent ministries/agencies, and the outline of the initiatives</b>
	<b>1-2. Specific contents of the climate change initiatives</b>
	<b>1-3. Laws/regulations related to climate change measures, by name and year of introduction/revision</b>
	<b>1-4. Climate change action targets (NDC)</b>
	<b>1-5. Budgetary measures for climate change initiatives</b>

2. Measures toward Carbon-Neutral	
	<b>2-1. Carbon tax initiatives</b>
	<b>2-2. Carbon credit and carbon trading initiatives</b>
	<b>2-3. Trend of new technologies for climate change measures</b>
	<b>2-3-1. Hydrogen</b>
	<b>2-3-2. Fuel ammonia</b>
	<b>2-3-3. CCUS</b>
	<b>2-3-4. Biofuel</b>
	<b>2-3-5. Renewable Energy</b>
	<b>2-3-6. Nuclear power</b>
	<b>2-3-7. Storage battery</b>
	<b>2-3-8. Initiatives for Smart City</b>
	<b>2-3-9. Initiatives for Smart Grid</b>
	<b>2-3-10. Initiatives for demand response</b>
	<b>2-3-11. Others</b>
	<b>2-4. Key Points to Promote and Support Climate Change Measures</b>



# Policies, support measures, etc. towards CN in your country

## 3. Energy Conservation initiatives

<b>3-1. Name and outline of energy policies, and ministries/agencies in charge of the policies.</b>
<b>3-2. Name and outline of energy efficiency and conservation(EC) policies, and ministries/agencies in charge of the policies.</b>
<b>3-3. Specific contents of EC policies</b>
<b>3-4. Name and year of introduction/revision of laws/regulations related to EC measures</b>
<b>3-5. EC goals</b>
<b>3-6. Green (EC) building Code</b>
<b>3-7. Display system for EC performance of the building</b>
<b>3-8. Items based on EC Law</b>
<b>3-8-1. Designation criteria of designated business operator</b>
<b>3-8-2. Number of designated business operators</b>
<b>3-8-3. Obligations which designated business operator shall comply with</b>
<b>3-8-4. Contents of energy management system</b>
<b>3-8-5. Contents of energy manager system</b>
<b>3-8-6. Contents of the periodic report system</b>
<b>3-8-7. Energy saving regulation for equipment "MEPS": "Name of applicable equipment" and classification of "mandatory/voluntary"</b>
<b>3-8-8. Energy-saving "labeling" system: "Name of applicable equipment" and classification of "mandatory/voluntary"</b>
<b>3-8-9. MEPS, labeling: Name of "certification body"</b>
<b>3-8-10. MEPS, labeling: Is there "performance evaluation agency" and if so, its name?</b>
<b>3-8-11. Status to create restrictions by "benchmarks".</b>
<b>3-8-12. Status to create "EC guideline" and "EC manual".</b>

## 3-9. EC propelling measures

### 3-9-1. Financial support(Subsidies, Tax incentives, Low-interest loan, Funds)

- |                        |
|------------------------|
| 1) Subsidies :         |
| 2) Tax incentives :    |
| 3) Low-interest loan : |
| 4) Funds :             |

### 3-9-2. Supports for energy audit

### 3-9-3. EC award system

### 3-9-4. EC training center. And the name and activities if any.

### 3-9-5. ESCO Business Support

### 3-9-6. Supports for R&D

## 3-10. ESCO business deployment

## 3-11. Subsidy for fuel

## 3-12. Subsidy for electricity bills

## 3-13. Name of the government organization which controls energy conservation matters

## 3-14. Name of the EC promotion organization (private organization such as ECCJ)

## 3-15. Cooperation related to energy conservation by Japan

## 3-16. Cooperation related to energy conservation by foreign countries except Japan

## 3-17. Achievements of Joint Crediting Mechanism (JCM)

# Group Discussion

## Choose the Group

	Cambo dia	Indo nesia	Lao PDR	Malaysia	Philipp ines	Singa pore	Thailand	Vietnam
<b>Group A Leader :</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Group B Leader :</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Group Discussion**



**Leader will advice or discuss within the group on your ideas of new policy or measures towards CN in your country.**

**Each leader will summarize and present the ideas of group countries**

# Group Discussion

## Grouping

	Cambo dia	Indo nesia	Lao PDR	Malaysia	Philipp ines	Singa pore	Thailand	Vietnam
<b>Group A</b> <b>Leader : Philippines</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Group B</b> <b>Leader : Singapore</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Group Discussion**



**Leader will advice or discuss within the group on your ideas of new policy or measures towards CN in your country.**

**Each leader will summarize and present the ideas of group countries**

# Download Presentation Materials

**<https://www.asiaeec-col.eccj.or.jp/ecap34-materials/>**

Please submit questionnaire.

Download link is available on this page.

Submission in digital word format by email is recommended.

# Thank you for your kind attention

