

# AJEEP Online Seminar - Transportation

## PROGRAM GUIDANCE

19 December 2023 Tokyo Japan

International Cooperation Division  
The Energy Conservation Center, Japan

# Remarks for Online Participants

- **All participants are encouraged to enter the online workshop link at least 10 minutes before the seminar starts to ensure the internet connections and audio quality.**
- **Participants are requested to check on their mic, audio, and video and ensure a convenient environment (reduce noises, turn off cell phones, etc.).**
- **Participants are requested to mute their microphones and only unmute if they wish to speak.**
- **Participants are requested to turn on their video camera only when making a speaking, as turning on the video may impact the quality of the connections and voice quality.**

# 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").**
- **AJEEP Online Seminar (Transportation) is the essential and basic workshop for the personnel from governments, public organizations and non-profit organizations. The 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 **freight 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 (FY2023)

## Annual Activity

|                                | July                                       | Aug.                       | Sept.   | Oct.   | Nov.  | Dec.                                       | Jan. | Feb.                                      | Mar.                 |
|--------------------------------|--|----------------------------|---|--|---|--|------|---|----------------------|
| AJEEP Plenary Mtg. etc.        |  | Inception Mtg (8/3-4)<br>↔ |   |  |   |  |      |   | Post Mtg (Mar.)<br>↔ |
| Scheme 4 SAEMAS                |  |                            |   | Country visit CSM dissemination (Oct.)<br>▼▼▼▼             |   | Online WS on CSM & AM (Dec.)<br>◆          |      | Online WS on CSM & AM (Feb.)<br>◆         |                      |
| Scheme 5 Advanced EM toward CN |  |                            | CN Diagnosis Online seminar Industry & ZEB (9/7)<br>◆ | CN Diagnosis Expert Dispatch Industry (ZEB) (9/25-29)<br>▼ | CN Diagnosis Building (ZEB) (11/27-12/1)<br>◆                     | Online seminar Transportation (12/19)<br>◆ |      | Interim Mtg. on CN Diagnosis (Feb.)<br>◆* |                      |
| ECAP In JPN                    |  |                            |   |  | ECAP-30 SAEMAS (11/6-10)<br>↔<br>ECAP-31 Industry (11/14-17)<br>↔ | ECAP-32 Building (12/11-15)<br>↔           |      |   |                      |
| ASEAN Mtg.                     | EE&C-SSN 6)<br>SOME-METI<br>SOME+3<br>.22) | 41st AMEM (Aug.22-26)      |   |  |   |  |      | ASEAN+3 NRE & EE&C Forum (Feb.)           |                      |

Follow-up : Check & Advice for making Report

**Scheme 5**

**Online seminar Transportation (12/19)**

# Issues and Solutions for decarbonization in Transportation sector

- ◆ Six main technologies needed to solve the issues

| Issues                      |  |
|-----------------------------|--|
| Consignors, etc.            | <p>Choice of transportation method<br/>Improved transportation efficiency</p> <ul style="list-style-type: none"> <li>- Improved load factor</li> <li>- Larger transportation equipment</li> <li>- Cooperation between incoming consignors and carriers</li> <li>- Packing design with transportation efficiency in mind</li> <li>- Development of logistics bases</li> </ul> |
| Cargo Transport Carrier     | <p>Use of fuel-efficient transportation equipment</p> <ul style="list-style-type: none"> <li>- railroad            - automobile</li> <li>- ship                    - aircraft</li> </ul>   |
| Passenger Transport Carrier | <p>Operation and management of transportation equipment<br/>Larger transportation equipment</p>  |



| Solutions                          |
|------------------------------------|
| Railroad, Ship, Aircraft (2022)    |
| BEV, FCV (2022)                    |
| <b>BET, FCT (2023)</b>             |
| <b>Cold Chain Logistics (2023)</b> |
| <b>Smart Logistics (2024)</b>      |
| <b>Autonomous Driving (2025)</b>   |

# Objectives ( Transportation Seminar )

- ( a ) To learn the decarbonization management / system and latest technologies towards CN in Transportation sector**
- ( b ) To discuss by participants and Japanese experts ( Q&A, CN technologies )**



# Participants

## ASEAN

- EE&C policy makers for the industrial sector.
- Technical experts from the government officials in charge of EE&C Policy and technology, etc.
- ASEAN coordinator from ACE ( Dr. Ambiyah Abdullah )
  - Keynote lecture : Initiatives for CN in the transportation sector in ASEAN

## Advisers / Experts

( ECCJ / International Cooperation Division )

- Principal Advisor :
  - Mr. Motohiro WASHIMI
- Lecturer/Advisor :
  - Mr. Toshiyuki MINEGISHI
  - Dr. Yoshitaka USHIO
  - Mr. Takashi KANAZAWA
  - Mr. Toshio ANDO
  - Mr. Yukihiro OKAMOTO
  - Mr. Toshinobu ISHIKAWA

# Lecturers

## Lecturers / ACE, Japanese private companies and ECCJ

### ◆ Dr. Ambiyah Abdullah

**ACE**

Theme : Initiatives for CN in the transportation sector in ASEAN

### ◆ Mr. Yasuhito IMAI

**TOYOTA MOTOR CORPORATION**

Theme : Carbon neutral logistics efforts through energy conversion of commercial vehicles

### ◆ Mr. Ryuta NAKAI

**EZAKI GLICO Co., Ltd.**

Theme : Reduce environmental and labor burdens and improve sustainability through more efficient upstream-to-downstream distribution

### ◆ Mr. Toshiyuki MINEGISHI

**ECCJ (on behalf of SENKO Co., Ltd.)**

Theme : Promotion of joint delivery using dolly-type double-connected trucks

### ◆ Mr. Toshiyuki MINEGISHI

**ECCJ**

Theme : Latest Technology for Carbon Neutrality (Cold Chain Logistics)

# Program Schedule - 1

(JST : GMT+9)

|                               |  |  |
|-------------------------------|--|--|
| <b>11:00-11:10</b>            | <b>Program guidance</b>  | <b>ECCJ/ Mr. Okamoto</b>                         |
| <b>11:10-11:40</b>            | <b>Opening remarks</b>   | <b>ECCJ / Mr. Murakami<br/>ACE / Mr. Supendi</b> |
| <b>10:40 - 11:45</b>          | <b>Group Photo</b>   |  |
| <b>Presentation / Lecture</b> |  |  |
| <b>11:45 - 12:15</b>          | <b>Lecture : Initiatives for CN in the transportation sector in ASEAN</b>                          | <b>ACE / Dr. Abdullah</b>                        |
| <b>12:15 - 12:30</b>          | <b>Coffee Break</b>  |  |
| <b>12:30 - 13:45</b>          | <b>Lecture : Carbon neutral logistics efforts through energy conversion of commercial vehicles</b> | <b>Toyota Motor Corporation / Mr. Imai</b>       |
| <b>13:45 - 14:00</b>          | <b>Q&amp;A between ASEAN Countries and Toyota</b>  |  |
| <b>14:00 - 15:30</b>          | <b>Lunch break</b>   |  |

# Program Schedule - 2

(JST : GMT+9)

|                         |   |  |
|-------------------------|---|--|
| <b>15:30 - 15:50</b>    | <b>Lecture : Reduce environmental and labor burdens and improve sustainability through more efficient upstream-to-downstream distribution</b> | <b>Ezaki Glico /<br/>Mr. Ryuta NAKAI</b>             |
| <b>15:50 - 16:10</b>    | <b>Lecture : Promotion of joint delivery using dolly-type double-connected trucks</b>   | <b>ECCJ / Mr. Minegishi<br/>(on behalf of SENKO)</b> |
| <b>16:10 - 16:45</b>    | <b>Lecture : Latest technology for carbon neutrality<br/>(Cold chain logistics)</b>   | <b>ECCJ / Mr. Minegishi</b>                          |
| <b>16:45 - 17:00</b>    | <b>Q&amp;A between ASEAN Countries and ECCJ</b>   |  |
| <b>Closing Ceremony</b> |   |  |
| <b>17:00 - 17:20</b>    | <b>Closing Remarks</b>  | <b>ECCJ / Mr. Murakami<br/>ACE / Mr. Supendi</b>     |

# Download Presentation Materials

<https://www.asiaeec-col.eccj.or.jp/materials-ajeep-transport-seminar/>

# Thank you for your kind attention

