ECAP28

SEMINAR GUIDANCE

25 – 26 October 2022 Tokyo Japan

International Cooperation Division
The Energy Conservation Center, Japan

Remarks for the Online Seminar

- All participants are encouraged to enter the online seminar 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 Seminar

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 through EE&C/CN audit with participation of AAT

(2) Introduction of Energy Management in freight transportation through ECAP or Workshop

(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

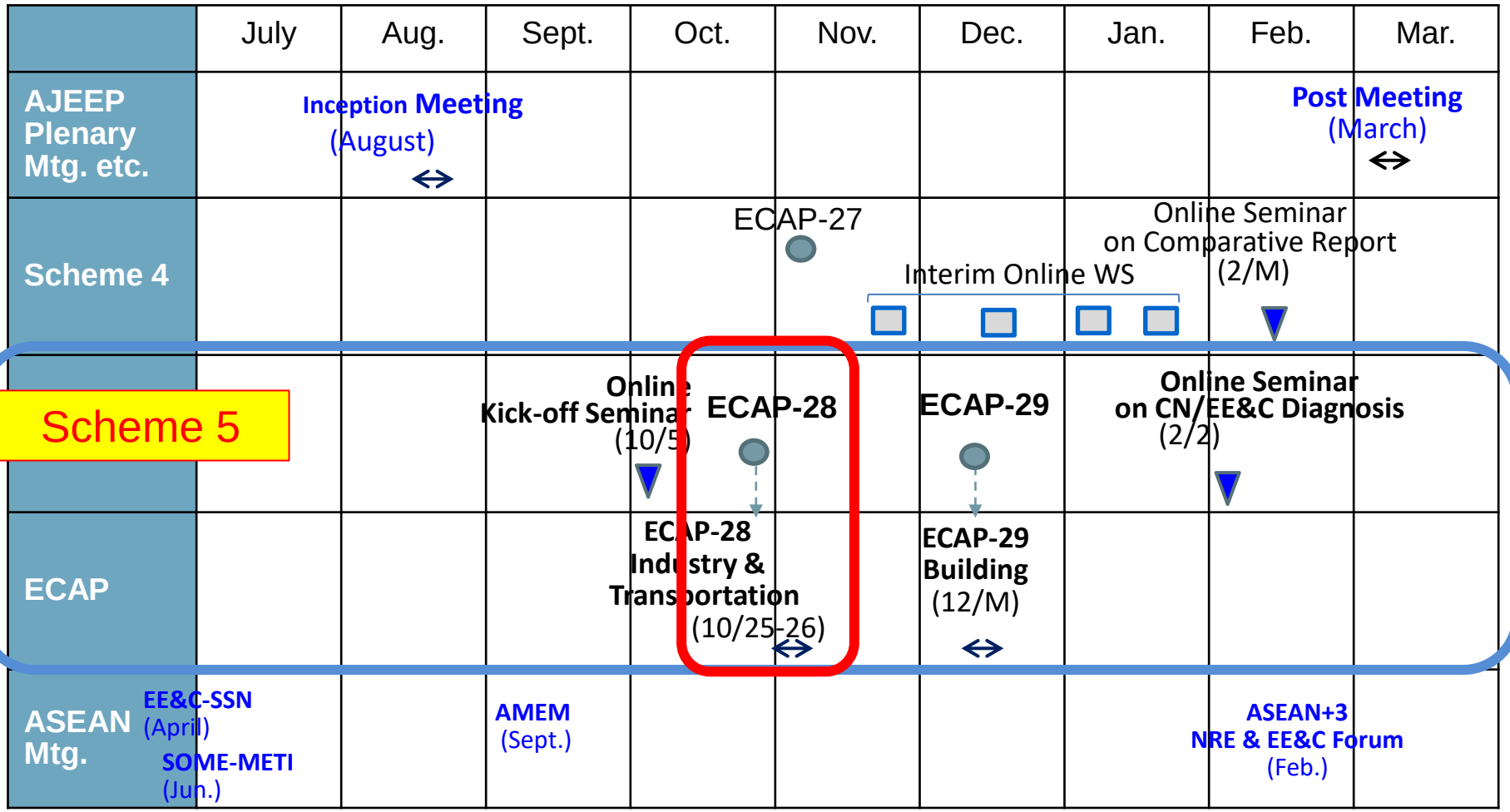
To enhance the capacity of AMS to implement policies and incentives on sustainable EE in building

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

To make/implement EE&C Project towards Carbon Neutrality

Tentative Schedule of AJEEP (FY2022-FY2023)

Annual Activity



PARTICIPANTS (1)

ASEAN

- **EE&C policy makers for the industry & transportation sector.**
- **Non-profit organization and related associations**
- **ASEAN coordinator from ACE**

Advisers / Experts

- **Principal Advisor:**
  - **Mr. Motohiro WASHIMI** (ECCJ / International Cooperation Division)
- **Lecturer/Advisor :**
  - **Mr. Tetsuya OKUDA** (ECCJ / International Cooperation Division)
  - **Mr. Yukihiro OKAMOTO** (ECCJ / International Cooperation Division)
  - **Mr. Satoshi HAYAKAWA** (ECCJ / CN Solution Department)
  - **Mr. Toshiyuki MINEGISHI** (ECCJ / International Cooperation Division)
  - **Dr. Yoshitaka USHIO** (ECCJ/ Senior advisor)

PARTICIPANTS (2)

lecturers / Japanese private companies

- **Dr. Takashi FURUKAWA**
  SUMITOMO CHEMICAL Co., Ltd.
  Senior Associate
  Responsible Care Dept.

- **Mr. Yasunori NAITO**
  RICOH COMPANY, Ltd.
  Senior Specialist
  ESG Strategy Division

- **Mr. Takashi EGAMI**
  SEVEN & i HOLDGS Co., Ltd.
  Officer
  Sustainability Development Department, Corporate Development Division

Objectives (ECAP28)

(a) To learn the decarbonization management / system and latest CN technologies in Industry & Transportation sector

(b) To introduce decarbonization management and latest CN technologies of the private companies

(C) Discussion by participants and Japanese experts (Q&A, CN technologies)

Program Schedule (Day 1)

(JST : GMT+9)

11:00 - 11:10	Seminar Guidance - ECCJ / Mr. Okamoto
11:10 - 11:40	Opening Remarks - METI / Mr. Shinoda - ECCJ / Mr. Murakami - ACE / Mr. Zamora
11:40 - 12:40	Lecture 1 : CN management and SBT - ECCJ / Mr. Okuda
12:40 - 14:10	Lecture 2 : Introduction of decarbonization management and CN technologies of the private sector - SUMITOMO CHEMICAL Co., Ltd. - RICOH COMPANY, Ltd. - SEVEN & i HOLDGS Co., Ltd. (Including Q & A)
14:10 - 15:30	Lunch break
15:30 - 17:00	Q&A, Discussion on CN policy and technologies

Program Schedule (Day 2)

(JST : GMT+9)

11:00-11:25	Lecture 1: Overview of CN policy for Transportation Sector in Japan - ECCJ / Mr. Okamoto
11:25-12:15	Lecture 2 : EC Act for Transportation Sector in Japan - ECCJ / Mr. Hayakawa
12:15-13:40	Lecture 3 : Latest technology for CN (Transportation Sector) - ECCJ / Mr. Minegishi
13:40- 14:40	Q&A, Discussion for CN promotion in ASEAN by participants and Japanese experts
14:40-15:00	Group Photo through Online Screen Closing Remarks - ACE / Mr. Zamora - ECCJ / Mr. Murakami

Questionnaire for Participants

ECAP28 QUESTIONNAIRE

https://docs.google.com/forms/d/e/1FAIpQLSfqYIkGgKoUp8JhC0l1eyDfWZ3IWvavVdygcVAPC9lmsBJNEg/viewform?usp=sf_link

ECAP28 QUESTIONNAIRE on CN technologies

Category 1. Technologies to reduce CO2 generation

Subcategory	New technology	Industry	Trans portation
Energy efficiency and conservation technologies (Enhancement of conventional EE&C)	Electric demand leveling, up and down DR	A1	
Energy transition from heat to electricity	Heat pump, Electric heating Thermal engine → Electric engine	A2	
	Next generation vehicle (EV, FCV, HV) Hydrogen fuel cell train, Super ECO Ship Aircraft by using SAF (Sustainable Aviation Fuel)		B1
Production process transition	Advanced steel making, Direct reduction, Advanced thermal power, Clean coal technology	A3	
Transition from fossil fuel to non-fossil fuel	Fuel cell, Hydrogen reduction, Anmonia, biomass	A4	
Renewable energy	Hydro, Solar, Wind, Geothermal, Wave, Tide	A5	
Utilization of unused energy, Energy storage	Temperature difference energy, Waste heat recovery, Lithium-ion battery, Redox flow battery	A6	

- ☐ A1
- ☐ A2
- ☐ B1

Choose and chech the items
Multiple answers are OK

Category 2. Technologies to manage generated CO2

Subcategory	New technology	Industry	Trans portation
CO2 separation, Capture and storage	COURSE50, Recover from cement process	A7	
CO2 utilization (Methanation, Chemical recycle, Material recycle, Industrial gas)	Carbon recycle cement , Methanation, Cellulose nanofiber, Artificial photosynthesis	A8	

- ☐ A7
- ☐ A8

Category 3. Green society buidling

Subcategory	New technology	Industry	Trans portation
Recycle technology, Sustainable recycle society	Waste, Plastic, Conclete, Scrap steel, Noble metal, Rare metals	A9	
City / Region planning	Smart city, City transport system (TDM, ITS), Modal shift, Public transport system (LRT, BRT), MaaS, Bicycle		B2
Logistics, Transportation business	Smart transportation, Green transportation, Supply chain logistics, Cold chain logistics, Truck transportation, Eco drive		B3

- ☐ A9
- ☐ B2

Category 4. Policy, Act, Institute, Decarbonization management

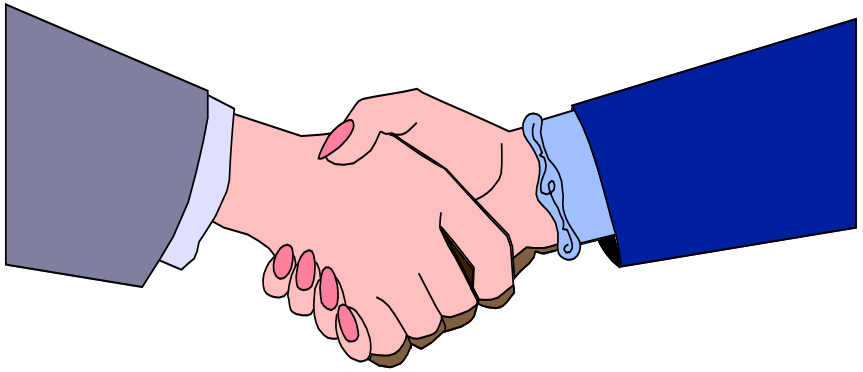
Subcategory	Standard	Industry	Trans portation
EC Act, Decarbonization standard	Carbon tax, Credit trade, Green certification, SBT, CDP, RE100	C1	

- ☐ C1

Download Presentation Materials

https://www.asiaeec-col.eccj.or.jp/materials-ecap28/

Thank You Very Much



For More Information;
The Energy Conservation Center, Japan
http://www.eccj.or.jp <from 1996>

Asia Energy Efficiency and Conservation Collaboration Center
(Established in April 2007)
http://www.asiaeec-col.eccj.or.jp

Japanese Business alliance for Smart Energy-Worldwide
(Established in October 2008)
https://www.jase-w.org/

The Energy Conservation Center, Japan
Since 1978

省エネのシンボルです
SMART CLOVER

The Symbol of Energy Conservation Since 2005ECCJ has been spread the symbol mark with the visual image of a flour-leaf clover which is thought to bring happiness named as “SMART CLOVER”, representing everyone’s energy conservation activities.