

## **Attachment – 1 : Tentative Program of EMAK11**

Date : Feb. 9 2023

Venue : Grand Copthorne Waterfront (TBD)

Address: 392 Havelock Road Singapore 169663

### **Theme: Transitions toward Net-Zero Energy Building Workshop**

<b>Time</b>	<b>Agenda</b>
09:30-10:00	<b>Reception/Connection Test</b>
10:00-11:10	<b>Opening Remarks &amp; Keynotes</b>
10:00-10:10	Welcome Remarks from Singapore, Ministry of Trade and Industry (MTI), Singapore (TBD)
10:10-10:20	Remarks from the Energy Efficiency Hub Ms. Kristina Klimovich, Programme Officer, Energy Efficiency Hub
10:20-10:30	Remarks from Japan Mr. Masashi Hoshino, Director, International Affairs Office, ANRE, METI, Japan
10:30-10:50	Keynote-1 Singapore academia(TBD)
10:50-11:10	Keynote-2: Impact for GHG reduction by ZEB Dr. Masayuki Ichinose, Associate Professor, Tokyo Metropolitan University, Japan
11:10-11:30	<b>Guest Introduction and Photo Session &amp; Break</b>
11:30-12:55	<b>Session – 1 : Effective Policy Packages for Sustainable and Energy Efficient Building – Pathway to net ZERO Energy Building – Chaired by (TBD)</b>
11:30-11:45	S1-1 Effective Policy Packages for Sustainable and Energy Efficient Building Mr. Haruto Shinoda, Assistant Director, International Affairs Office, ANRE, METI, Japan
11:45-12:00	S1-2 Singapore (TBD)
12:00-12:15	S1-3 Toward Carbon Neutrality in Building sector in ASEAN Dr. Nuki Agya Utama, Executive Director, ASEAN Centre for Energy
12:15-12:20	Q&A
12:20-12:35	S1-4 Towards Net-Zero Buildings in Canada Mr. Jérôme Bilodeau, Director, Office of Energy Efficiency, Canada (via online)
12:35-12:50	S1-5 EMAK member country (Under arrangement)
12:50-12:55	Q&A
12:55-14:30	<b>Lunch</b>
14:30-15:55	<b>Session – 2 : The Best Practice examples towards net ZERO Carbon goals in the Building sector Chaired by Mr. Masashi Hoshino, ANRE, METI</b>
14:30-14:45	S2-1 Introduction of Awardee of ZEB Building Sub-Category of AEA Singapore(TBD)
14:45-15:00	S2-2 ZEB conversion retrofit of existing building in Malaysia Mr. Steve Anthony Lojuntin, Director, Sustainable Energy Development Authority, Malaysia
15:00-15:15	S2-3 The Best Practice examples towards net ZERO Carbon goals in the building sector China (TDB)
15:15-15:20	Q&A
15:20-15:35	S2-4 Zero Energy and Super Low Energy Building construction in Singapore Kajima Corporation, Japan (TBD)
15:35-15:50	S2-5 The Best Practice examples towards net ZERO Carbon goals in the building sector Mr. Manuel Palz, Federal Ministry for Economic Affairs and Climate Action (BMWK), Germany (via online)
15:50-15:55	Q&A
15:55-16:15	<b>Break</b>

16:15-17:15	<b>Session – 3 : Panel Discussion and Wrap-up (Speakers / Representatives) Promotion of EE&amp;C toward achievement of Net-Zero Energy Building Chaired by Dr. Yoshitaka Ushio, ECCJ</b>
16:15-17:05	Panel Discussion (Speakers and Representatives of Government / Private Sector) Panelist's opinion sharing (3min. each) and Discussion Agenda-1 : Key policy issues to disseminate EE&C in the building sector Singapore(TBD), ACE(Dr. Nuki), EE Hub(Ms. Klimovich), Japan(TBD) Agenda-2 : Technical Challenges for achieving Carbon Neutrality in the building sector Singapore(TBD), Malaysia(Mr. Lojuntin), Germany(Mr. Palz via online), Japan (TBD)
17:05-17:15	Wrap-up by Chairperson Summary and the Way Forward
17:15-17:25	<b>Closing</b>
17:15-17:20	Closing Remarks (MTI, Singapore)
17:20-17:25	Closing Remarks(METI, Japan) Mr. Masashi Hoshino, Director, International Affairs Office, ANRE, METI
	<b>END of Workshop</b>
18:00-19:30	<b>Reception</b>

### (Abbreviations)

ACE	: ASEAN Centre for Energy
AEA	: ASEAN Energy Award
ANRE	: Agency for Natural Resources and Energy (Japan)
BMWK	: Federal Ministry of Economic Affairs and Climate Action (Germany)
CN	: carbon neutrality
EC	: Energy Conservation
ECCJ	: The Energy Conservation Center, Japan
EE&C	: Energy Efficiency and Conservation
EM	: Energy Management
EMA	: Energy Market Authority
EMAK	: Energy Management Action Network for Industrial Efficiency
KaTRIS	: Kajima Technical Research Institute Singapore
MTI	: Ministry of Trade and Industry (Singapore)
METI	: Ministry of Economy, Trade and Industry (Japan)
ZEB	: net zero energy building

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