

The 10th Workshop of Energy Management Action Network (EMAK 10)

Session-3 Panel Discussion and Wrap-up

December 4th, 2020

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Session – 3 : Agenda and Schedule

15:55-16:10 Overall Q & A and Comments for Sessions 1 & 2
Please tell your name, your organization and the name(s) of Presenter(s).

16:10-16:40 Panel Discussion with 5 Panelists

Agenda **Direction of Public – Private Cooperation to Promote EC by Establishing Energy Management System (EnMS)**

Procedure **(Step-1) Brief on Procedure by Chairperson**
(Step-2) Comments / Opinions / Suggestions by the Panelists
(Step-3) Discussion among Panelists
Open Discussion

16:40-16:50 Summary and Wrap-up by Chairperson

Panel Discussion : 5 Panelists

Mr. Norihiro Kimura

(Deputy Director, Ministry of Economy, Trade and Industry of Japan (METI))

Mr. Trinh Quoc Vu

(Deputy Director General, Ministry of Industry and Trade of Vietnam (MOIT))

Mr. Hideo Kubota

(Technical Expert, The Energy Conservation Center, Japan (ECCJ))

Ms. Lê Thanh Thảo

(Country Representative of UNIDO in Vietnam)

Mr. Septia Buntara Supendi

(Manager, REE Department, ASEAN Centre for Energy (ACE))

Panel Discussion : Procedure

**(Step-2) Provide Comments / Opinions / Suggestions on the
by the Panelists (in 2 min. Each)**

**Agenda: Direction of Public – Private Cooperation to Promote
EC by Establishing EnMS**

(1) Issues and Requirements ?

(2) Solutions, Actions Including Challenges

**From viewpoints and standpoints of the Panelists from the
Public or the Private Organizations**

(Step-3) Discussion on the Agenda : Points

● **Action and Measures to Enhance Public – Private
Cooperation for EE&C Promotion with Establishing EnMS**

● **Future Direction of EMAK to Contribute to the Above**

(1) Initiation by the Panelists

(2) Open to the Participants

Wrap-up : Summary and Way Forward

Summary of EMAK 10

From Viewpoint of “Transition of Energy Management and Energy Efficiency and Conservation” (EE&C), We Have Shared the Following.

1. In Session-1

- (1) The Latest Policy on EE&C in Vietnam**
- (2) The International Cooperation and Outcomes through the Bilateral (Japan-Vietnam) and the Multilateral (ASEAN) Cooperation to Promote EE&C.**

2. In Session-2

- (1) Best Practices in EE&C under EnMS in Vietnam and Indonesia**

3. In Session-3

- (1) Issues and Possible Solution to Establish EnMS to Promote EE&C under the Public – Private Cooperation**
- (2) Aspects / Opinions on Future EMAK Based on the Above**



EMAK : Way Forward – Points

1. Key Words : “Sustainability” and “Globalization”

● “Sustainability”

Sustainable Improvements in 1) Energy Efficiency, 2) Environmental Conditions, 3) Economy, 4) Quality of Life

● “Globalization”

1) Business, 2) Mitigation of Negative Environmental Impacts (Pollution / Global Warming etc.), 3) Measures against Various Risks Such as the COVID-19 Pandemic

→ **Establish and Function Energy Management System**

Effective and Useful to Realize the Two Key Words.

2. Public – Private Cooperation for EE&C by

● **Sharing the Same Targets and Goals as The International (*)**

(*) **“Carbon Neutral”** under **“Paris Agreement”** and **“SDGs”**

● **Harmonized and Cooperated Policy and Practical Approach**

Sustainability : Toward SDGs – Contribution of EnMS



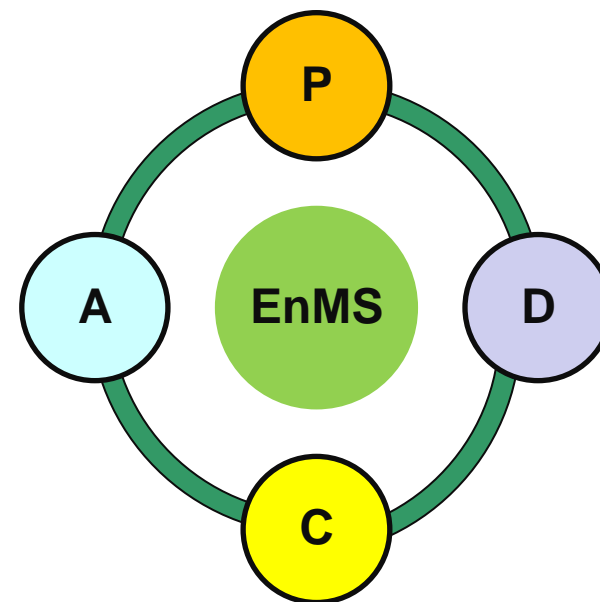
Effective for Realization



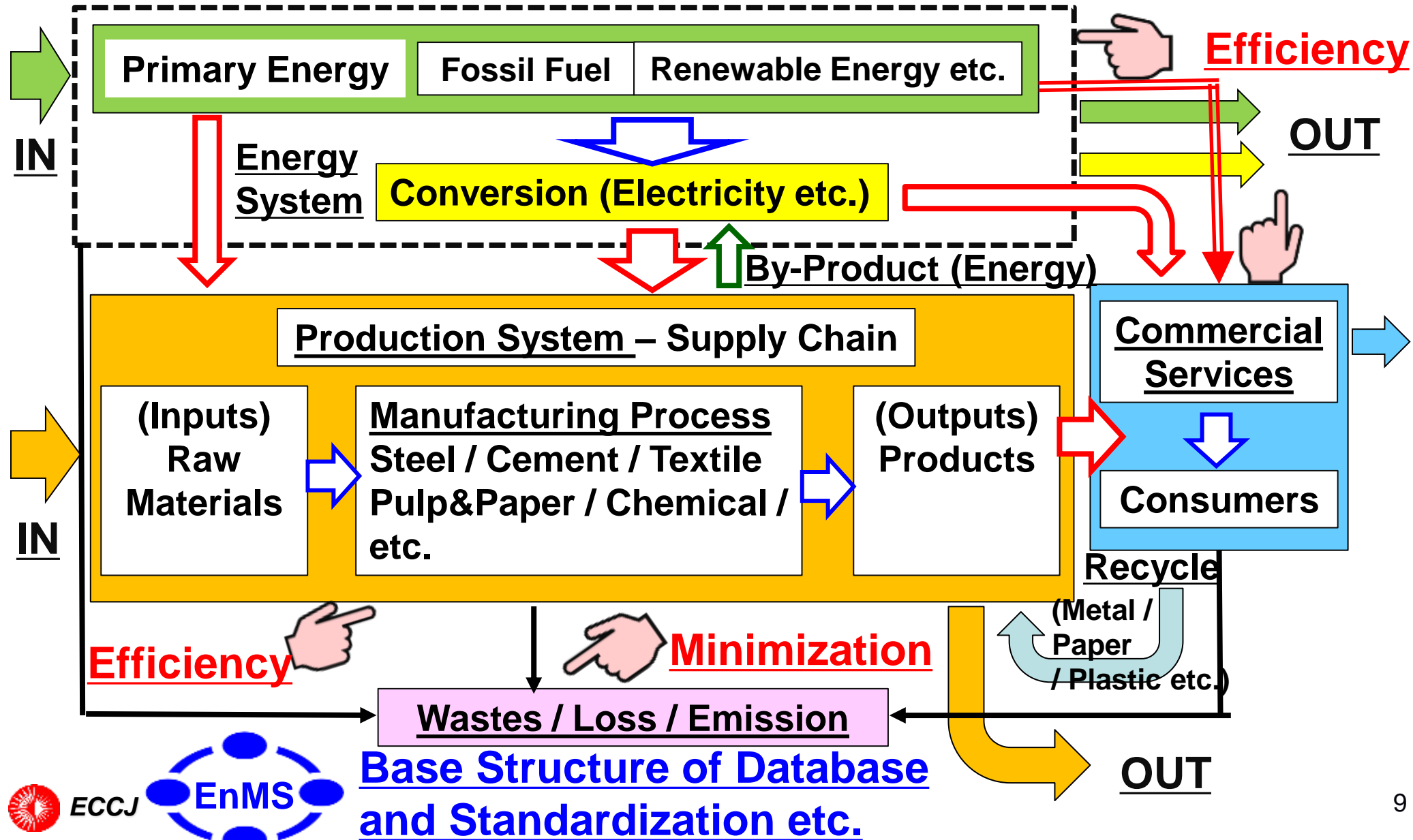
**Systemized Approach
by Establishing EnMS**

**Related
to Energy**

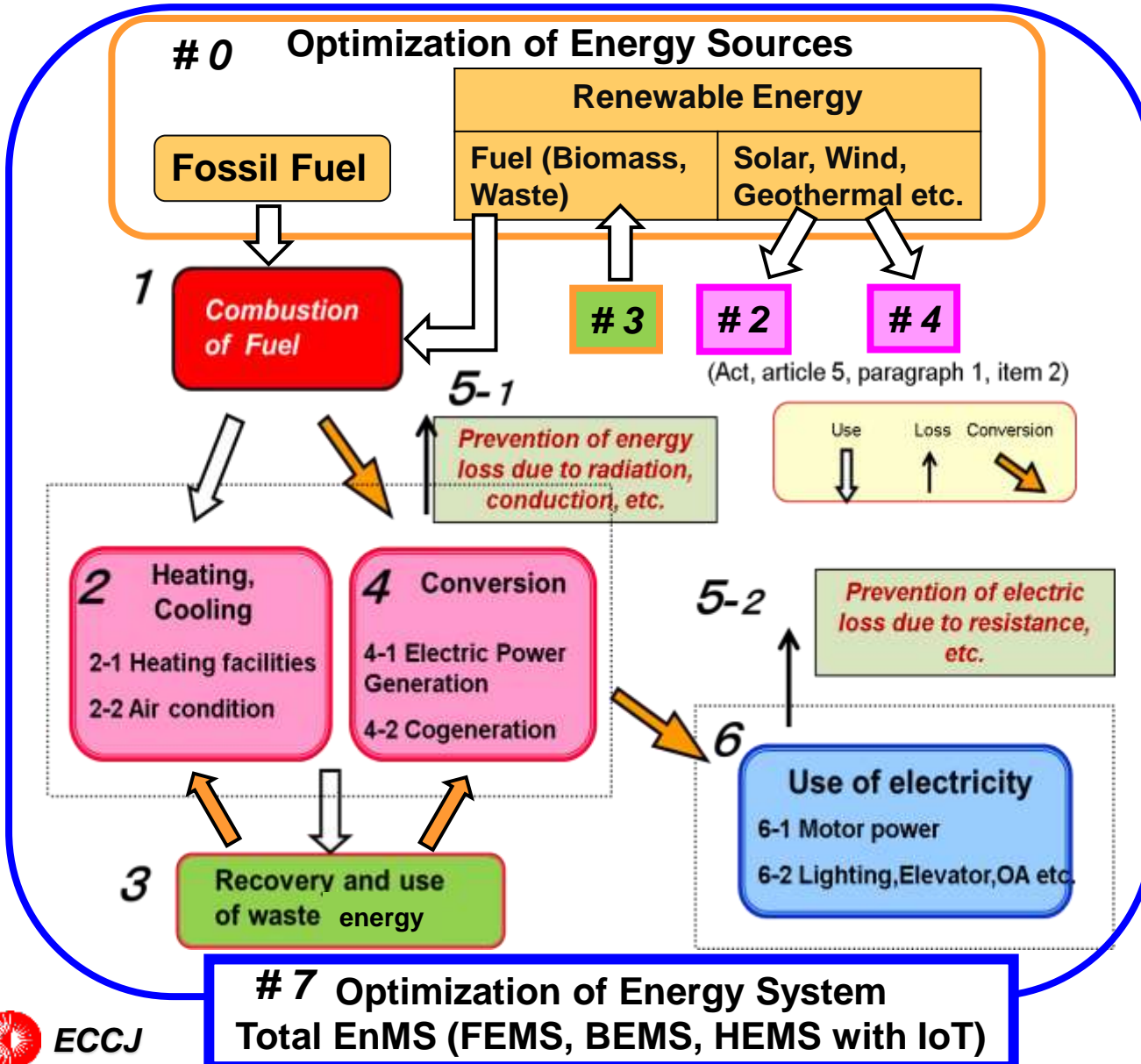
**6 Goals among
the 17 Goals**



Globalization : Overview of Energy & Material System



Practical Guideline to Promote EE&C under EnMS



Guideline Based on

- The Structure of The Energy System
- Energy Flow

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Effective Tool for Sustainable EE&C Promotion

- Rationalization of**
1. Fuel and Combustion
 2. Heating, Cooling and Heat Transfer
 4. Conversion of Heat to Driving
 6. Conversion of Electric Power to Driving Force and Heat, etc.
- Recovery and Utilization of**
3. Waste Energy (Heat etc.)
- Prevention of Energy Loss by**
5. Radiation, Conduction and Resistance etc.

(Reference)
EC Guideline (Japanese EC Act)

EMAK : Way Forward – “Sustainability & Globalization”

1. Public Sector

- **Customize the Policy and Legal Framework on EE&C to Meet and Optimize the International Policy and Targets, Based on the Country’s and/or the Regional Conditions**
- **Establish System to Properly Evaluate Performance of the Policy and Legal Framework for EE&C Quantitatively or Qualitatively from Energy Management Viewpoints, Based on the Guideline and Criteria for EE&C**

2. Private Sector (Viewpoint of Supply Chain for Business)

- **Establish the EnMS to Meet (1) the International Standards and Guideline, (2) the National Policy and Standards and (3) Needs and Conditions of the Market**
- **Establish and Function Specific EnMS with the Management of Risk under Company’s Commitment and Policy**
- **Systematized EC Promotion by the EC Guideline / Criteria**



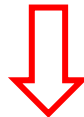
EMAK : Way Forward – “Public – Private Cooperation”

**EMAK
Network-1**

Public (Government etc.)

**Policy
Makers**

- Guidance as per Policy and Law
- Financial and Technical Support



**Feedback for Improvement
with Evaluation**

EMAK : Possible Future Programs

1. Establish and Share Demonstration Program

Showcase EnMS Based on ISO 50001 with Best Practices in (1) EE&C and (2) Demand Management and Demand Response

2. Share the Following etc.

- Successful Strategic EnMS Based on Supply Chain Globally Developed
- EE&C Best Practices by Using Specific “EE&C Guideline” under EnMS

3. Develop Information System to Share the Showcased EnMS and B.P.

4. Capacity Building for Action and Behavior Change

**Cooperation in Implementation and
Provision of Data and Information**



**Utilization of Data and Information
to Further Promote EE&C**

**EMAK
Network-2**

Private (Associations and Companies)

Practitioners

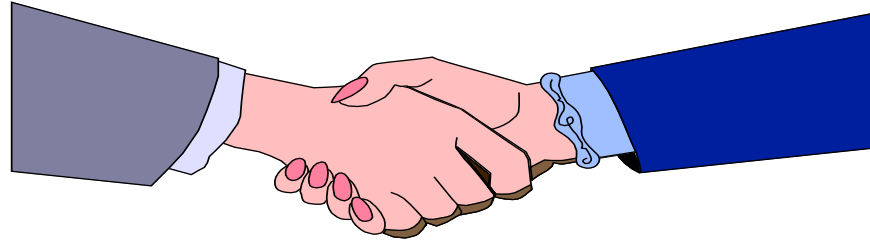
EMAK : Way Forward toward Future EMAK

1. Expand Networks of Policy Makers and Practitioners through the Following.

- **EMAK Workshops (10 Workshops)**
- **ASEAN Scheme for Energy Cooperation**
- **International Cooperation Program with Japan**
 - 1) **Bilateral Cooperation**
 - 2) **Multilateral Cooperation (Japan – ASEAN etc.)**
- **Other International Programs Related to Energy Management**

2. Discuss the Possible Programs Toward the EMAK 11 Planned to Be Held in Malaysia

Thank you very much



For More Information

[The Energy Conservation Center, Japan \(ECCJ\)](https://www.eccj.or.jp)

<https://www.eccj.or.jp>

[Asia Energy Efficiency and Conservation Collaboration Center \(AEEC\)](https://www.asiaeec-col.eccj.or.jp/index.html)

<https://www.asiaeec-col.eccj.or.jp/index.html>

[Japanese Business Alliance for Smart Energy Worldwide](https://www.jase-w.org/english/top/)

<https://www.jase-w.org/english/top/>