



METI
Ministry of Economy,
Trade and Industry



CEFIA
Cleaner Energy
Future Initiative
for ASEAN
ASEAN+3

Cleaner Energy Future Initiative for ASEAN (CEFIA)

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Key components of CEFIA

- CEFIA (Cleaner Energy Future Initiative for ASEAN) is an initiative to facilitate collaboration between the public and private sectors for accelerating the deployment of cleaner energy and decarbonization technology in the ASEAN region.

Finance

Linking projects with the Sustainable Development Goals, and attracting ESG investments



Decarbonization Technology

Utilizing cleaner energy technology and decarbonization technology

Institutions

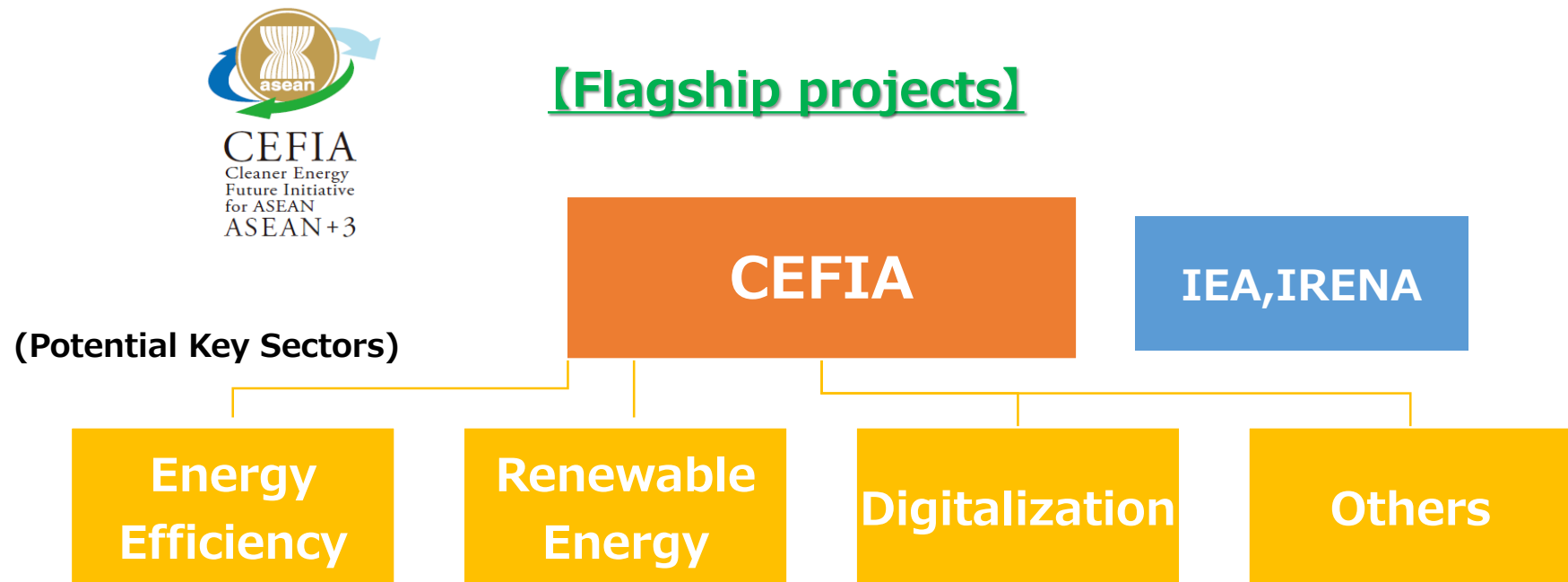
Developing and improving policy and institutional framework required for introduction and deployment of cleaner energy technology and decarbonization technology



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Flagship projects

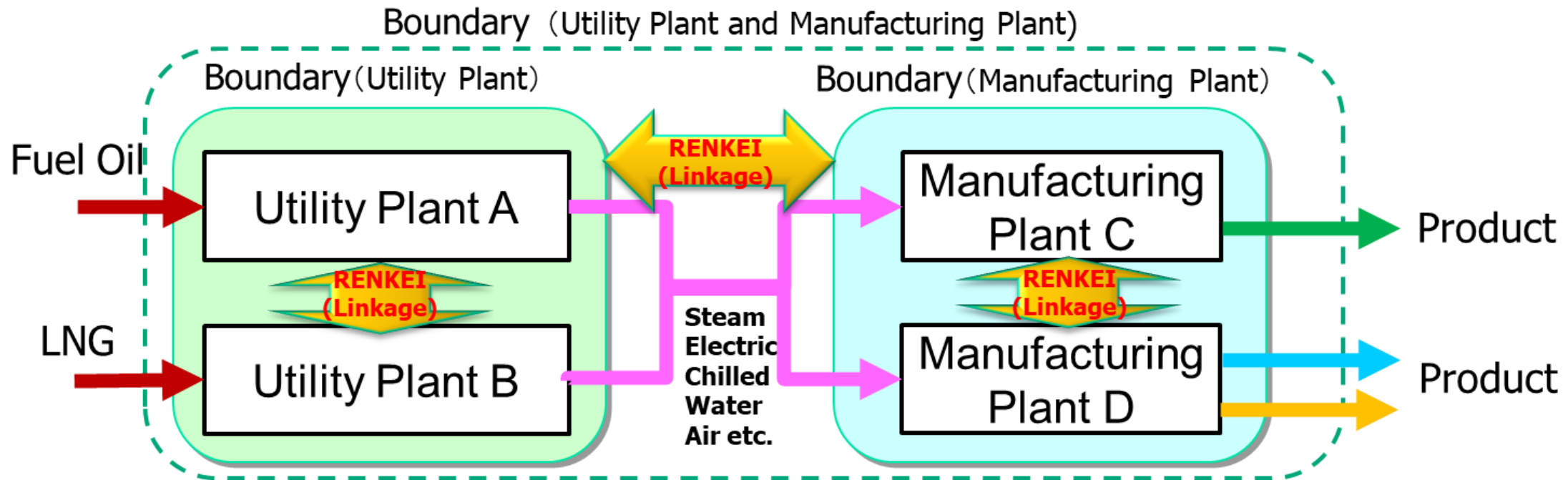
- Showcase good practices of cooperation in introducing technology in parallel with developing appropriate policy and institutional framework, as well as mobilizing public and private finance
- Demonstrate active cooperation and collaboration among governments/governmental agencies, private sectors, and academia
- Call for more ideas of potential cooperation and move forward toward Cleaner Energy Future of ASEAN



Introduction of CEFIA Flagship (RENKEI)

What is **RENKEI** Control?

- to solve customer management issues (environmental problems) as well as energy saving (cost saving)
- to link multiple devices and equipment and improve total performance
- to realize significant energy savings by expanding the optimization range from a single equipment to multiple equipment.



Compared to H/W approaches (replacement with high-efficiency equipment), **RENKEI** approaches are "Short construction period", "Less investment", "highly cost-effective" – **Quick-Win Approach**

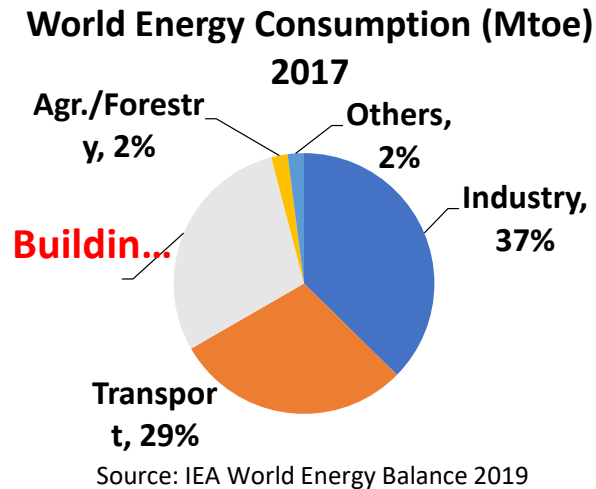
Will Contribute ASEAN GHG reduction target under the Paris Agreement

Introduction of CEFIA Flagship (ZEB)

CEFIA Flagship (ZEB) collaborates with activities for promotion of ZEB

Toward ZEB (Zero Energy Buildings)

The current energy efficiency measures cannot achieve **COP21** requirements for reduction of global warming gas. The more drastic measures have to be implemented.



Step by step approach to ZEB



Public-Private Collaborations

International Standardization

TS 23764 "An Approach for non-residential Zero Energy Buildings" is now proceeding to CD ballot @ Moscow in the end of Sept. 2020

Seminar and workshop



Japanese Business Alliance for Smart Energy Worldwide



Oct. 2019@Bangkok



July 2019@Legazpi
Oct. 2019@Manila

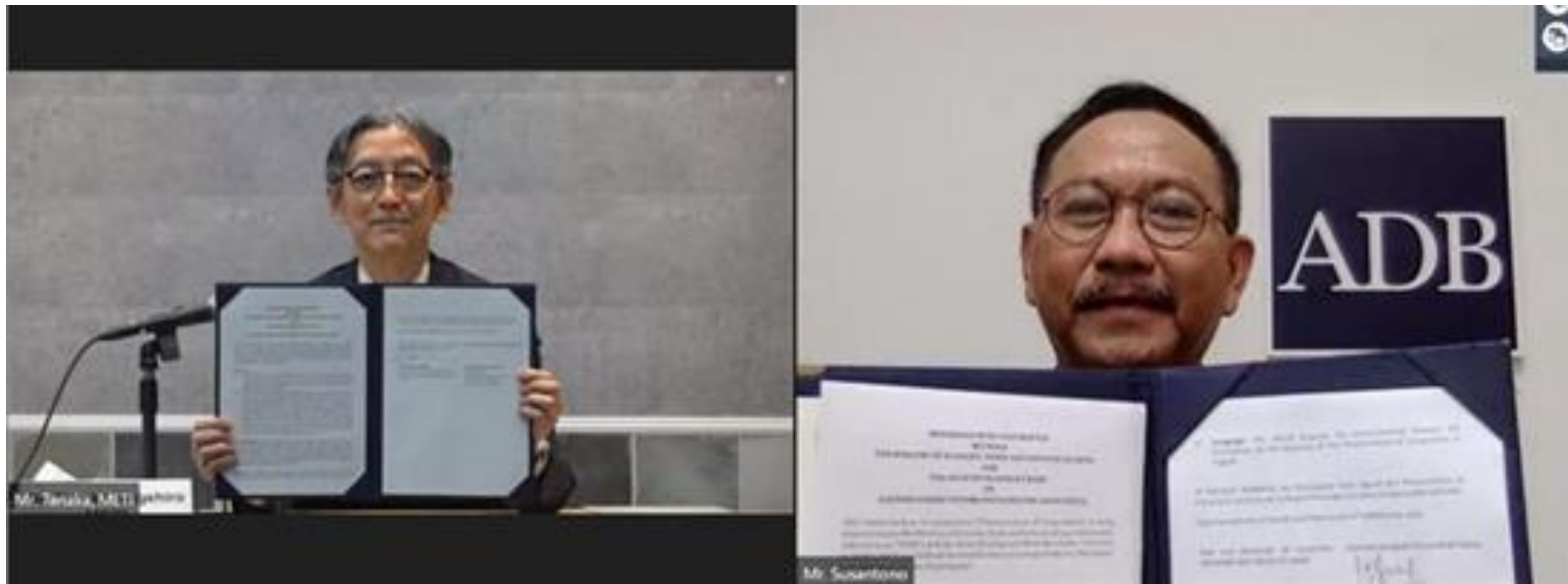
Workshop (Webinar) is planning in Vietnam and Indonesia in 2020

ASEAN Energy Awards

ZEB Ready Award has been added to ASEAN Energy Awards since 2019 for promoting Step by step approach to ZEB among the ASEAN members states

MOC in CEFIA concluded between METI and ADB

- Taking the opportunity of the 2nd CEFIA Government-Private Forum, the Asian Development Bank (ADB) and METI signed a memorandum of cooperation (MOC) in CEFIA.
- Signees were Mr. Tanaka Shigehiro, Vice-Minister for International Affairs, METI, and Mr. Bambang Susantono, Vice-President, ADB.



Mr. Tanaka Shigehiro, Vice-Minister
for International Affairs, METI

Mr. Bambang Susantono,
Vice-President, ADB

The fields for cooperation:

- [i] Energy efficiency/conservation and renewable energy
- [ii] Other technologies that contribute to transition to low carbonization
- [iii] Utilization of private funds for supporting these efforts

The 3rd CEFIA Government-Private Forum

- The CEFIA Government-Private Forum is established under the ASEAN+3 New and Renewable Energy (NRE) and Energy Efficiency and Conservation (EE&C) Forum.
- The 3rd CEFIA Government-Private Forum was held on February 21, 2022. The forum included an introduction of CEFIA's current activities, along with discussions on topics such as how decarbonization projects will realistically move ahead and how funding for decarbonization technologies will be mobilized.

Summary

Date : 21 February 2022

Host : Energy Commission of the government of Malaysia

Participants : government officials, private sectors,
international organization

Audience : 151 attended in Zoom, 168 views in YouTube

Opening Remarks

H.E Datuk Zurinah Pawanteh, Secretary General of Minister of Energy and Natural Resources, Malaysia

Dr. Nuki Agya Utama, Executive Director of ASEAN Centre for Energy (ACE)

Special Remarks

Mr. ISHII Masahiro, State Minister of Economy, Trade and Industry, Japan

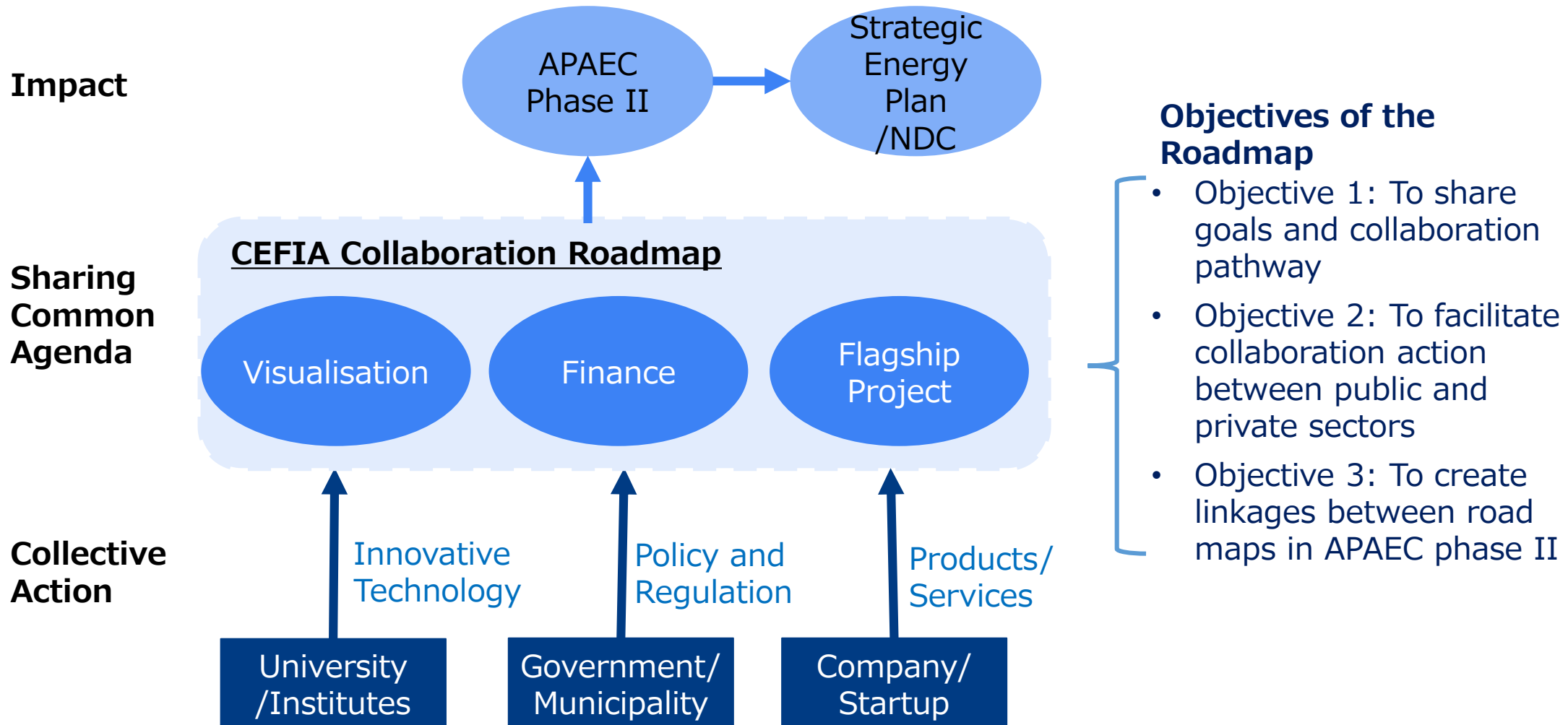
3 Session

- Session I: Flagship Projects
- Session II: CEFIA Collaboration Roadmap
- Session III: Mobilization of Finance for Decarbonization Pathways



Draft Outline of Idea Note on CEFIA Collaboration Roadmap

- CEFIA aims to contribute to APAEC Phase II.
- CEFIA believes that this will lead to contributions to the energy policy of each country.



Thank You!!



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