

IPEEC/WEACT & MEMR Workshop

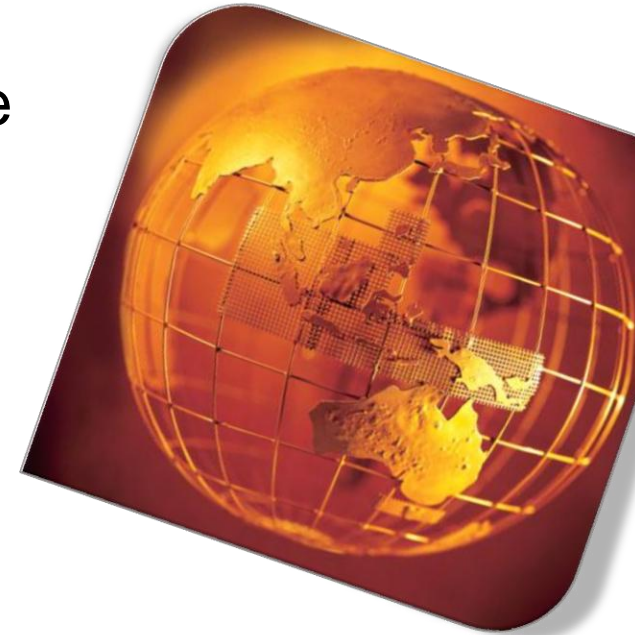
Energy Efficiency Policy Capacity Building in ASEAN

Overview – Creating conditions for regional cooperation in ASEAN

Steven Sim
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Jakarta, Indonesia

Who is ICA

- International Copper Association (ICA) is the leading non-profit organization to promote the efficient use of copper worldwide
- Members of ICA comprises of major copper producers and fabricators in the world
- Headquartered in New York, 35 offices with activities in more than 65 countries covering
 - Asia
 - Europe
 - Latin America
 - North America



Who is ICASEA

- ICASEA is the Southeast Asian arm of ICA, with Regional Head Office in Singapore
- Inaugurated in 1992 (formerly known as CDC-SEA) ICASEA has been operating for over 15 years
- ICASEA regional presence:
 - 📍 Bangkok (1999)
 - 📍 Kuala Lumpur (2002)
 - 📍 Jakarta (2006)
 - 📍 Philippines (2009)
 - 📍 Vietnam (2011)
- ICASEA has developed strategic partnerships with governmental bodies, academic institutions and professional bodies in the ASEAN region



ASEAN – Challenges in Energy

- Energy is crucial to transform ASEAN into a stable, secure, competitive & integrated economic community
- Energy requirement expected to triple between 2005 & 2030
 - 🌐 Energy demand reaches 1,250 MTOE in 2030 from 474 MTOE in 2005 (Avg growth of 4%)
 - 🌐 Increases in coal use, oil and gas imports to meet energy needs => GHG emissions increase
 - 🌐 Challenge of climate change mitigation & adaptation



Source: APAEC 2010-2015

ASEAN – Clean, Efficient & Sustainable Energy Community

- ASEAN Plan of Action for Energy Cooperation
 - ASEAN Power Grid
 - Trans-ASEAN Gas Pipeline
 - Clean Coal Technology
 - Renewable Energy
 - **Energy Efficiency & Conservation**
 - Regional Energy Policy & Planning
 - Civilian Nuclear Energy



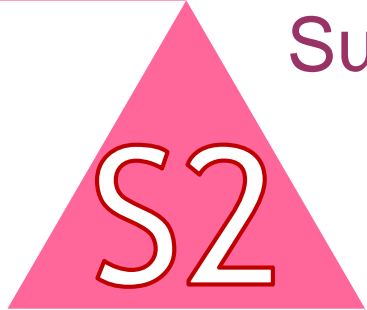
Source: APAEC 2010-2015

Regional Cooperation Framework



Situational Analysis

- Economic conditions
- Social conditions
- Technology conditions



Sustainable Integration

- International Knowledge Transfer
- Regional Consolidation
- National (Local) Implementation



Stakeholder Engagement

- Authorities
- Businesses
- Consumers





S1

Situational Analysis

- Economic conditions
- Social conditions
- Technology conditions

Situational Analysis

- Economic conditions
 - GDP, inflation, employment, exchange rates, sources of funds, etc
- Social conditions
 - language, culture, social values, etc
- Technological conditions
 - infrastructure, facilities, connectivity, etc



ASEAN - a rapid growing economic region and has a fast growing energy demand driven by economic and demographic growth.



S2

Sustainable Integration

- International Knowledge Transfer
- Regional Framework
- National (Local) Implementation

Sustainable Integration

- International Knowledge Transfer
 - IEC, ISO, etc
- Regional Consolidation
 - Standardisation, Sharing, Synergy
- National Implementation
 - Localisation (language, etc)
 - Market Transformation



Case Study – Asia Power Quality Initiative (APQI)



S3

Stakeholder Engagement

- Authorities
- Businesses
- Consumers

The quality of compact fluorescent lamp in Asia is particularly urgent, as USAID ECO-Asia's Clean Development and Climate Program found up to 50% of CFLs produced are of poor standards, or burn out faster than national product requirement.



“Developing technical and policy proposals for **coordinated action to improve the quality** of energy-saving CFLs is a pressing need.

Conclusion

- Policies must assure benefits and buy-in
- Strong economic and demographic drivers
- Sustained engagement with stakeholders
- Strengthen public-private partnership
- **Shared values that bind ASEAN despite differences**



Thank you!

Terima kasih!