



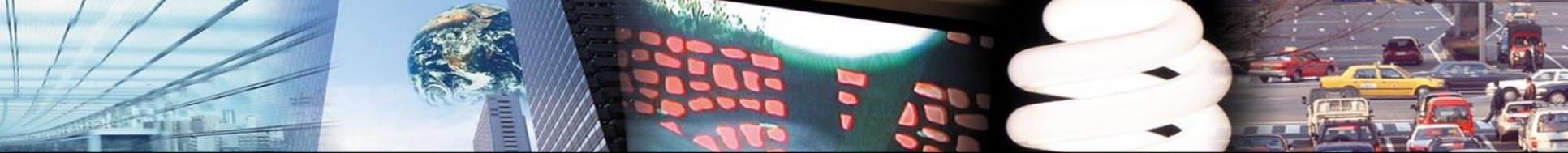
**EGEE&C 45, Singapore
March 2015**

APERC Update: Summary of Activities

**Martin Brown-Santirso
Researcher, APERC**

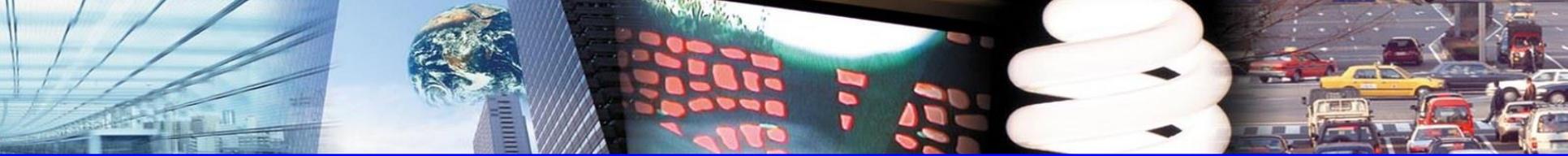


Asia-Pacific
Economic Cooperation



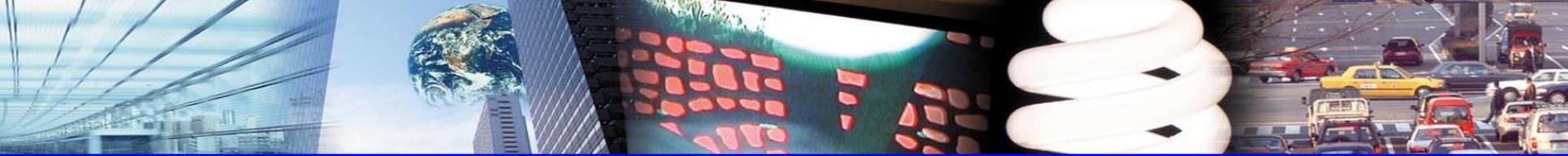
Outline

- 1. APERC's Background**
- 2. Summary of Cooperative Activities**
- 3. Energy Efficiency Policy Workshop**
- 4. Future Activities**
- 5. Conclusions**



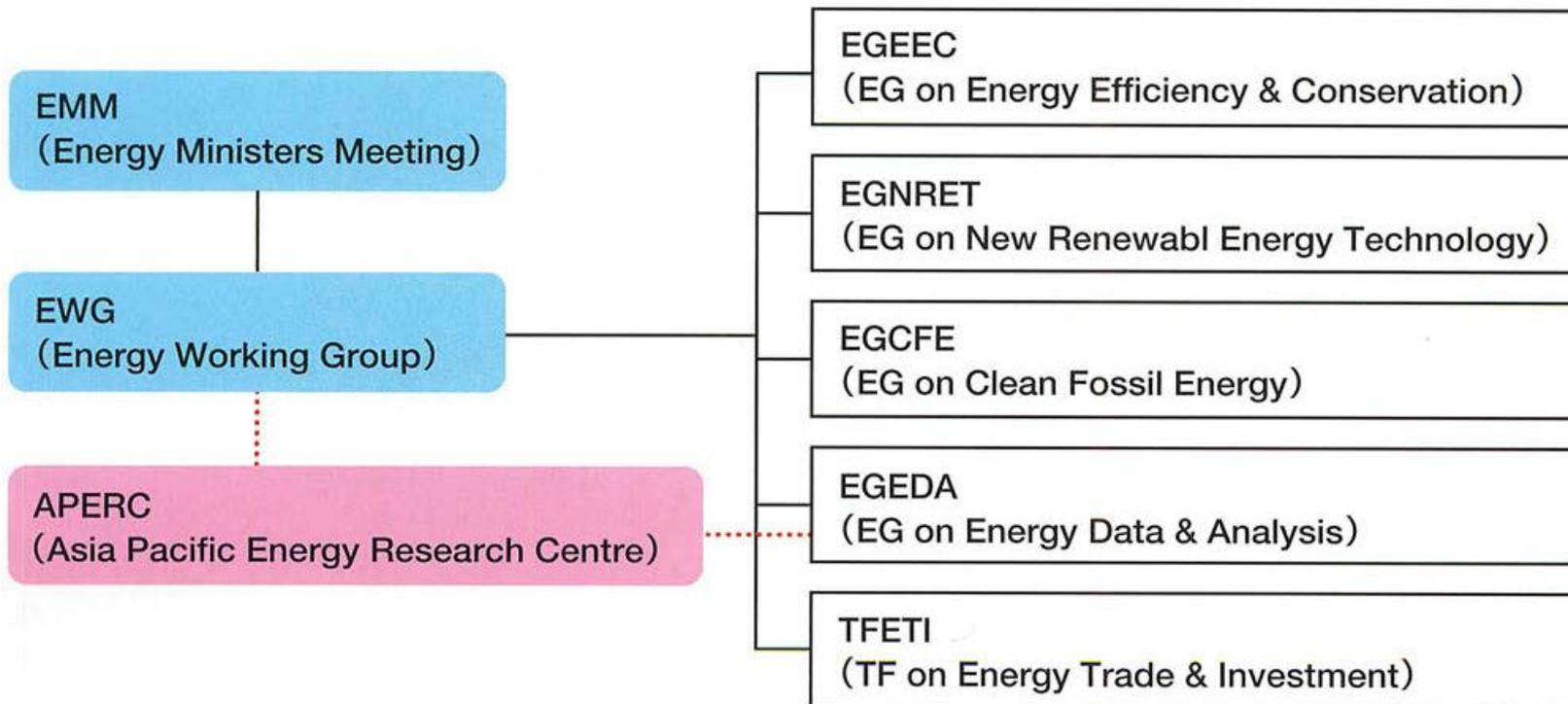
1. APERC's Background

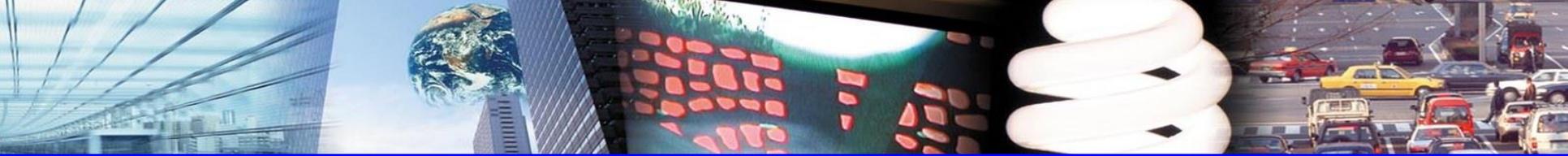
- **The Asia Pacific Energy Research Centre was established in 1996 following the Osaka APEC leaders meeting in 1995**
- **Based in Tokyo as an affiliate of the**
- **Institute of Energy Economics Japan (IEEJ)**
- **Primary Objectives:**
 - Understanding of APEC Supply and Demand trends
 - Energy infrastructure development
 - Energy regulatory reform
 - Advocates rational policy making
 - Enhance capacity building



1. APERC's Background

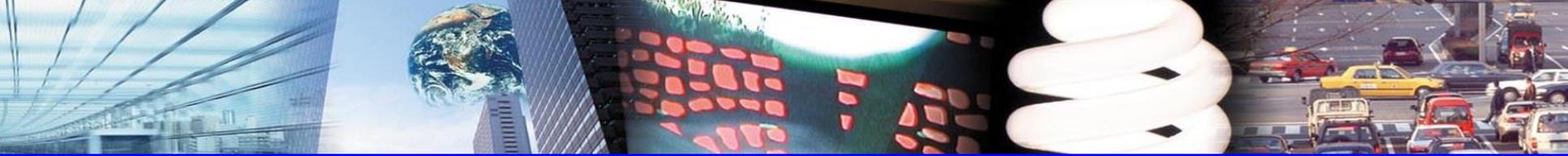
- **Initially APERC's was placed a sub group of EGEDA**
 - **Evolving role and changing responsibilities**
 - APERC now sits directly under EWG





1. APERC's Activities

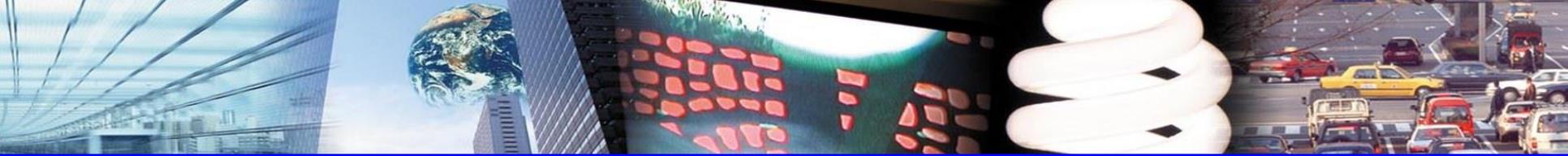
- **APERCs key activities:**
 - APEC Energy Demand and Supply Outlook
 - APEC energy overview
 - Peer Review on Energy Efficiency (PREE)
 - Energy Efficiency Policy Compendium
 - Cooperative Energy Efficiency Design for Sustainability (CEEDS)
 - Energy Efficiency Policy Workshop
 - Low Carbon Model Town
 - Peer Review on Low-Carbon Energy Technologies (PRLCE)
 - Oil and Gas Security Exercises (OGSE)



1. APERC's Activities

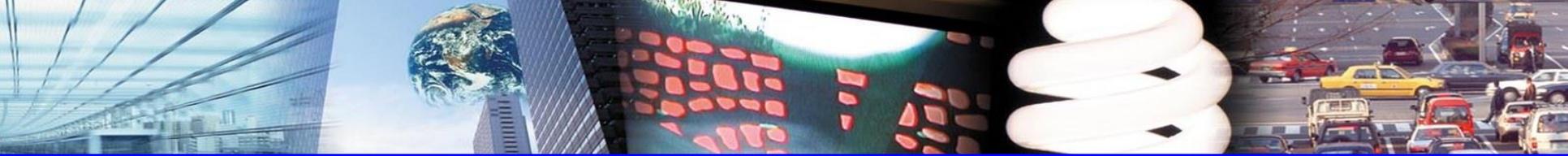
- **Close links to all EWG Subgroups**
 - **Work on efficiency, renewables, and oil and gas**
- **Close working relationship and collaboration**



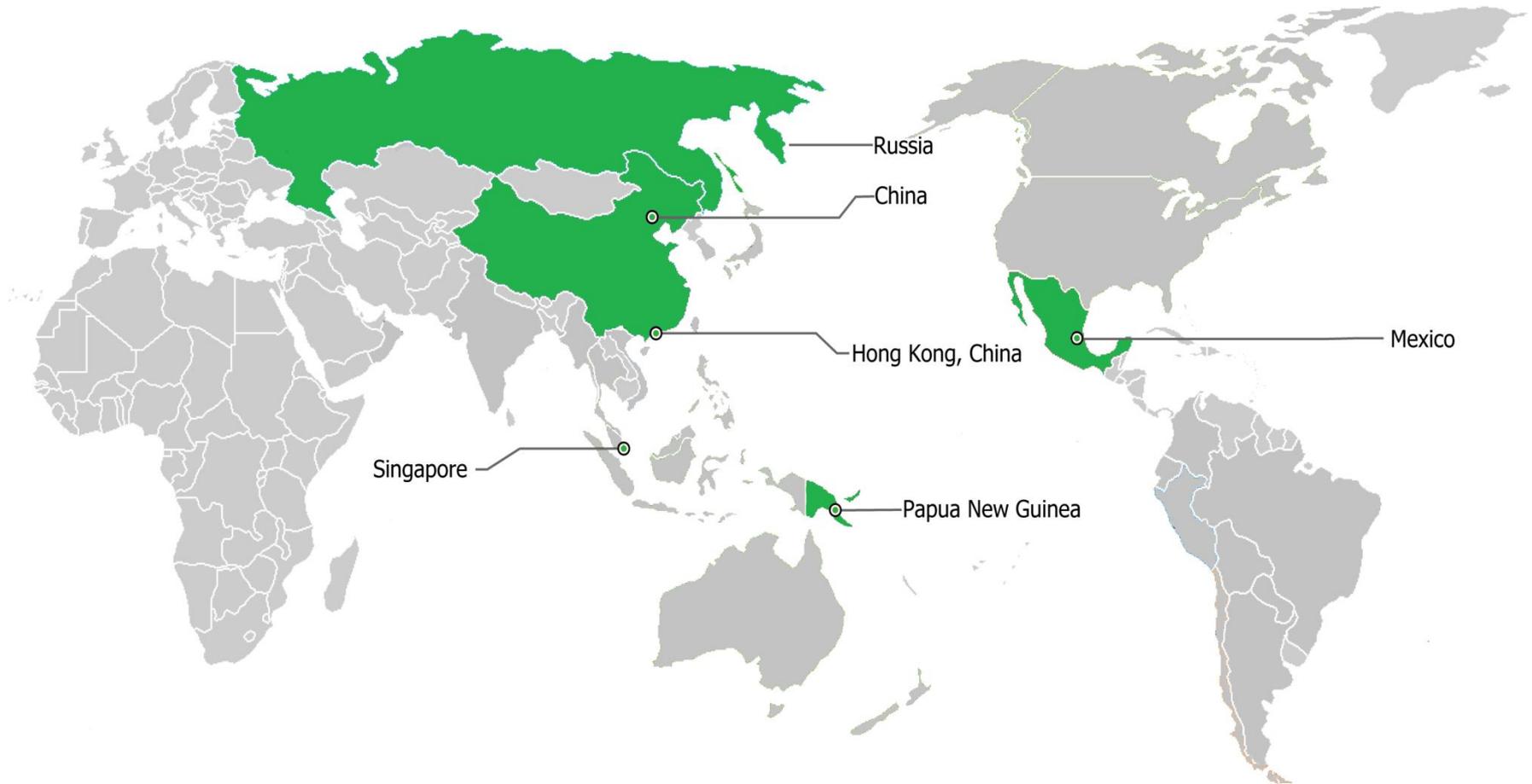


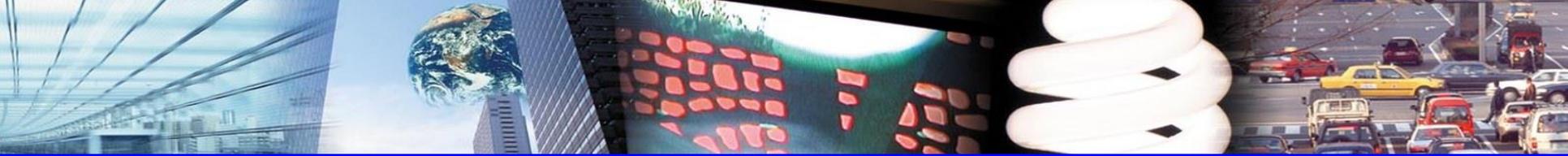
Cooperative Activities: PREE

- **Initiated by APEC Energy Ministers' 2007 Darwin Declaration**
- Broad review of energy efficiency policies and measure
- Provide recommendations on potential improvements
- **Compendium:**
 - Compilation of energy efficiency policies across APEC.
- **Peer review:**
 - Visit by experts
 - Review of EE policies and recommendations
- **PREE** has been hosted by **10 Economies**
 - Of the remaining 11 Economies, 5 Economies are IEA members which are eligible for IEA peer reviews.
 - The remaining **6 Economies** (China, Hong Kong, Mexico, Papua New Guinea, Russia, Singapore) would be ideal candidates for



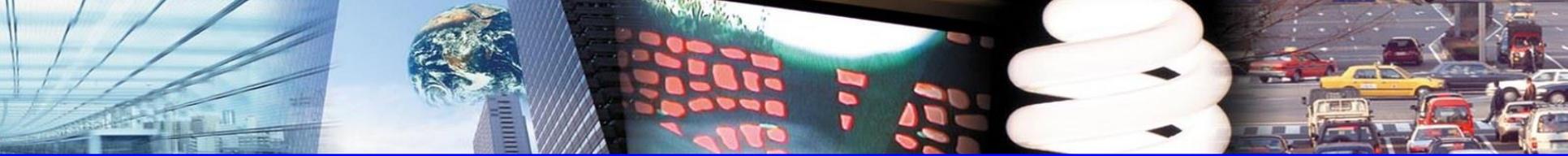
Cooperative Activities: PREE





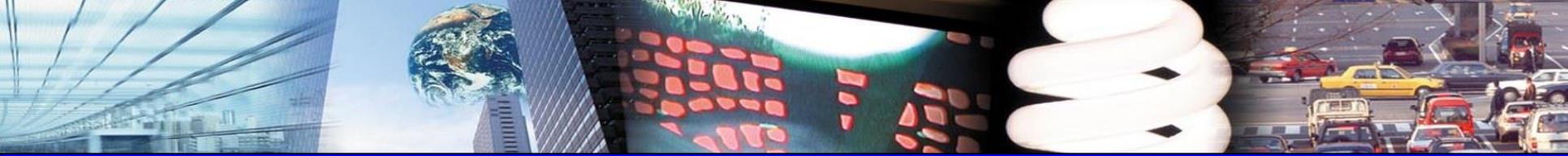
Cooperative Activities: Follow up PREE

- Follow-up PREE was first carried out in 2012
- Designed for economies that previously hosted PREE
 - Assist in the implementation of PREE recommendations
 - Assist on M & E of action plans arising from PREE
 - Filling the gap between recommendations and implementations
- Follow-up PREE was first hosted in 2012 in Vietnam
 - Assisted the government to identify and utilize suitable EE data
 - Link the identified data to policies and action plans.
- The 2nd Follow-up PREE in Philippines
 - Focused on industrial energy efficiency
- Thailand is will be in August.



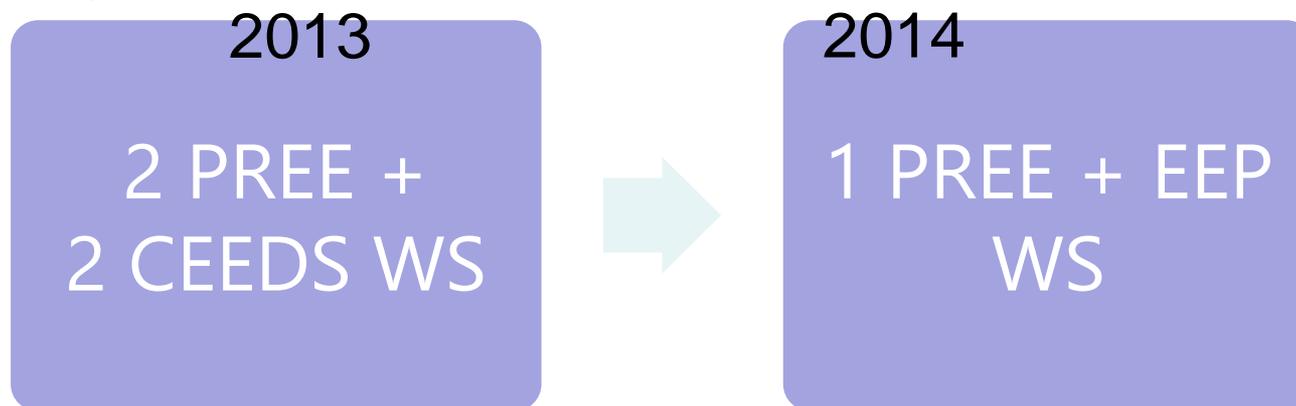
Cooperative Activities : CEEDS

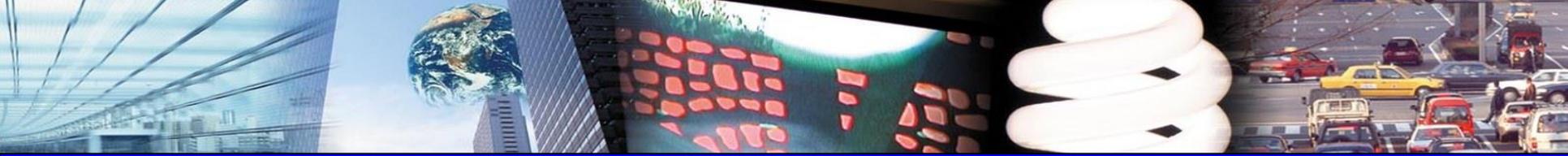
- **Referred in APEC Energy Ministers' 2010 Fukui Declaration**
- Promote **“high-performance” energy efficiency policy measures** in **developing economies** in the APEC region.
- Assist developing economies to implement energy efficiency improvements in **a specified sector**.
- **Two workshops** are organized for each topic:
 1. Presentations by experts on EE opportunities
 2. Implementation discussions with delegates from developing economies.
- **CEEDS** has completed in **4 sectors**:
 - Appliance Energy Efficiency Standards and Labeling (2010)
 - Building Energy Codes and Labeling (2011)
 - Energy Efficient Urban Passenger Transportation (2012)
 - Promotion of Energy Saving Green Buildings (ESGG) (2013)



Reform of PREE and CEEDS

- The increasing APERC load of these cooperative activities have placed a large burden on APERC's
- To improve the balance between research and cooperative activities APERC proposed to **prioritize** and **streamline** its cooperative projects.
- **Slow down PREE** or Follow-up PREE to one per year
- **Replace CEEDS** with single EE policy workshop as a part of PREE.

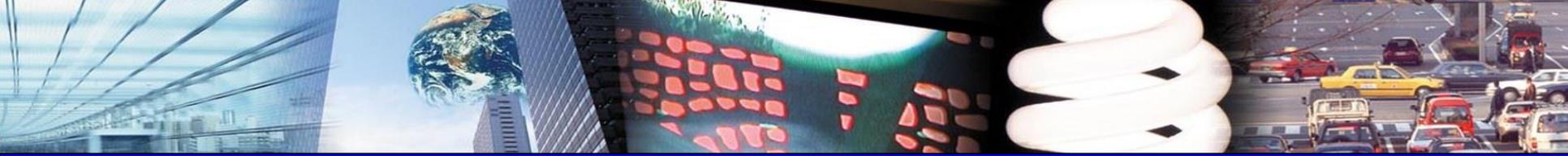




PREE Phase 5

- APERC requested funding from APEC during Session 1 of 2014 for PREE Phase 5 which consists of
 - Compendium 2013
 - 3rd Follow-up PREE
 - Energy Efficiency Policy Workshop.
- The funding bid was **not successful**.
 - Operational fund is small and oversubscribe
 - re-submitted to the support fund
- If successful with support fund
 - PREE and EEP workshop will focus on **APEC developing economies**
 - Developed economies welcome to attend

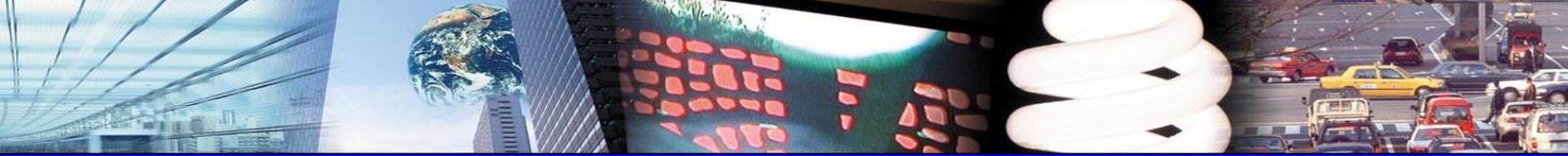




PREE Phase 5

- Support fund implications
 - PREE can only be hosted by travel eligible economies
 - EEP will focus in capacity building
- APERC still wants participation of developed economies
 - Self-funded project
 - APERC and developed economy sharing the cost
 - Contact us if there is interest.





Energy Efficiency Policy Workshop (EEP)

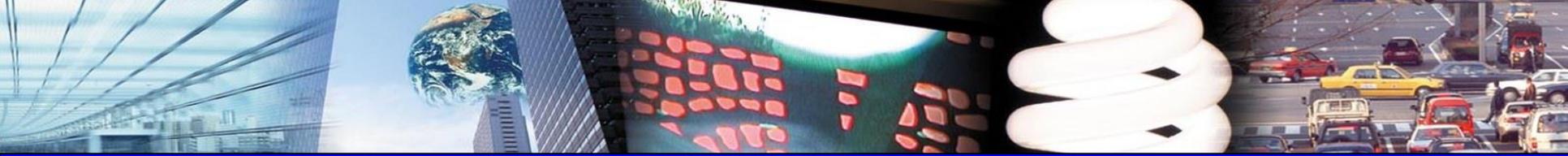
➤ One day workshop

- Cooperate with EGEE&C to align the workshop with the next meeting
- Delivered by expert consultant
- **Very generous support from Singapore**
- **First one funded by APERC**

- Future EEPs will be funded from support fund as part of PREE



Singapore



Energy Efficiency Policy Workshop (EEP)

➤ General Content

Session 1

- Energy Efficiency Foundations
- Expert Presentations

Session 2

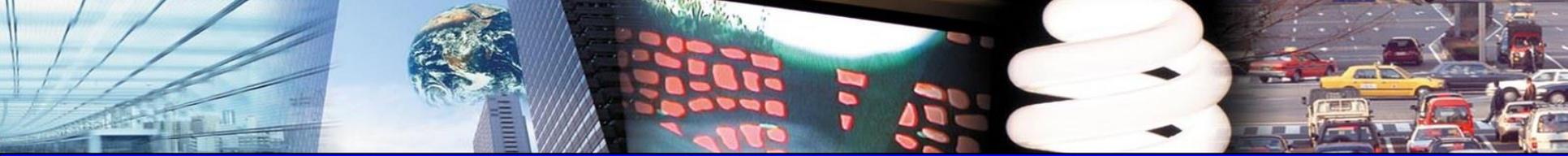
- Strategies and Action Plans
- Energy efficiency funding

Session 3

- Best practices
- Case study: Thailand

Session 4

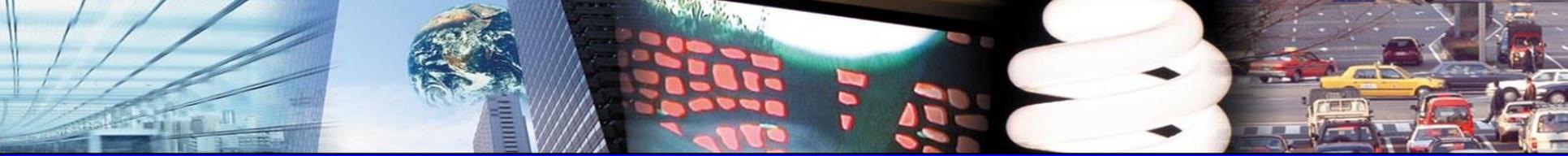
- Experience from Singapore
- Framework Development



Energy Efficiency Policy Workshop (EEP)

- 40 Participants
- 12 APEC Economies represented
- Extensive material covered
- 5 Expert presenters
- Supportive and constructive feedback received
- Future information





Energy Efficiency Policy Workshop (EEP)

➤ APERC requests

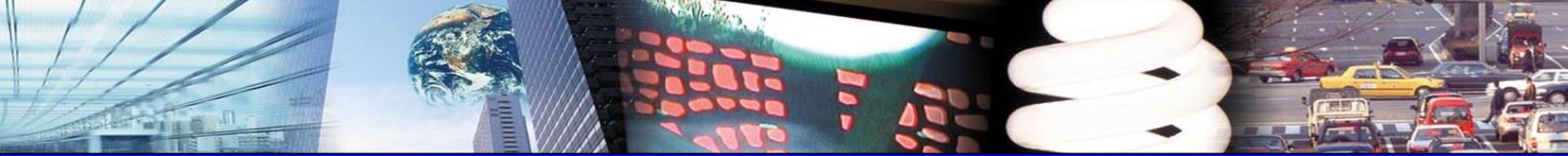
- Feedback or recommendations on the workshop
 - Topics
 - Duration
 - Format
- Insights for topic selection
- Aligning workshop with EGEE&C 45

APERC

ASIA PACIFIC ENERGY RESEARCH CENTRE

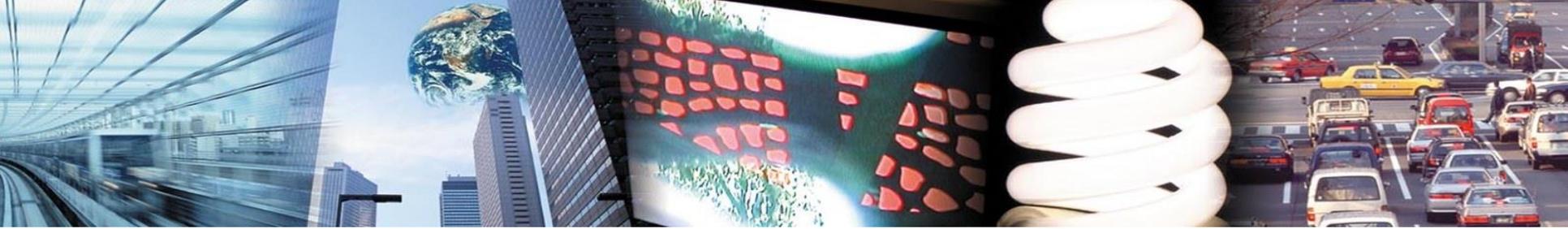
APEC Expert Group on Energy Efficiency and Conservation (EGEE&C)
Under the APEC Energy Working Group





Future Activities

- Oil and gas forum network (April)
- LCMT (Study Visit)(May)
- PRLCE Phase 4 (July)
- Follow-up PREE Thailand (August)
- Research project releases:
 - Unconventional gas
 - Geothermal energy
 - Asia electricity market integration



- **Thank you for your kind attention**
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- **<http://aperc.ieej.or.jp>**



**Asia-Pacific
Economic Cooperation**