



51st APEC Expert Group on Energy Efficiency and Conservation
APERC's Energy Efficiency Cooperative Activities
Update:
Peer Review on Energy Efficiency

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9 -13 April 2018, Washington D.C.





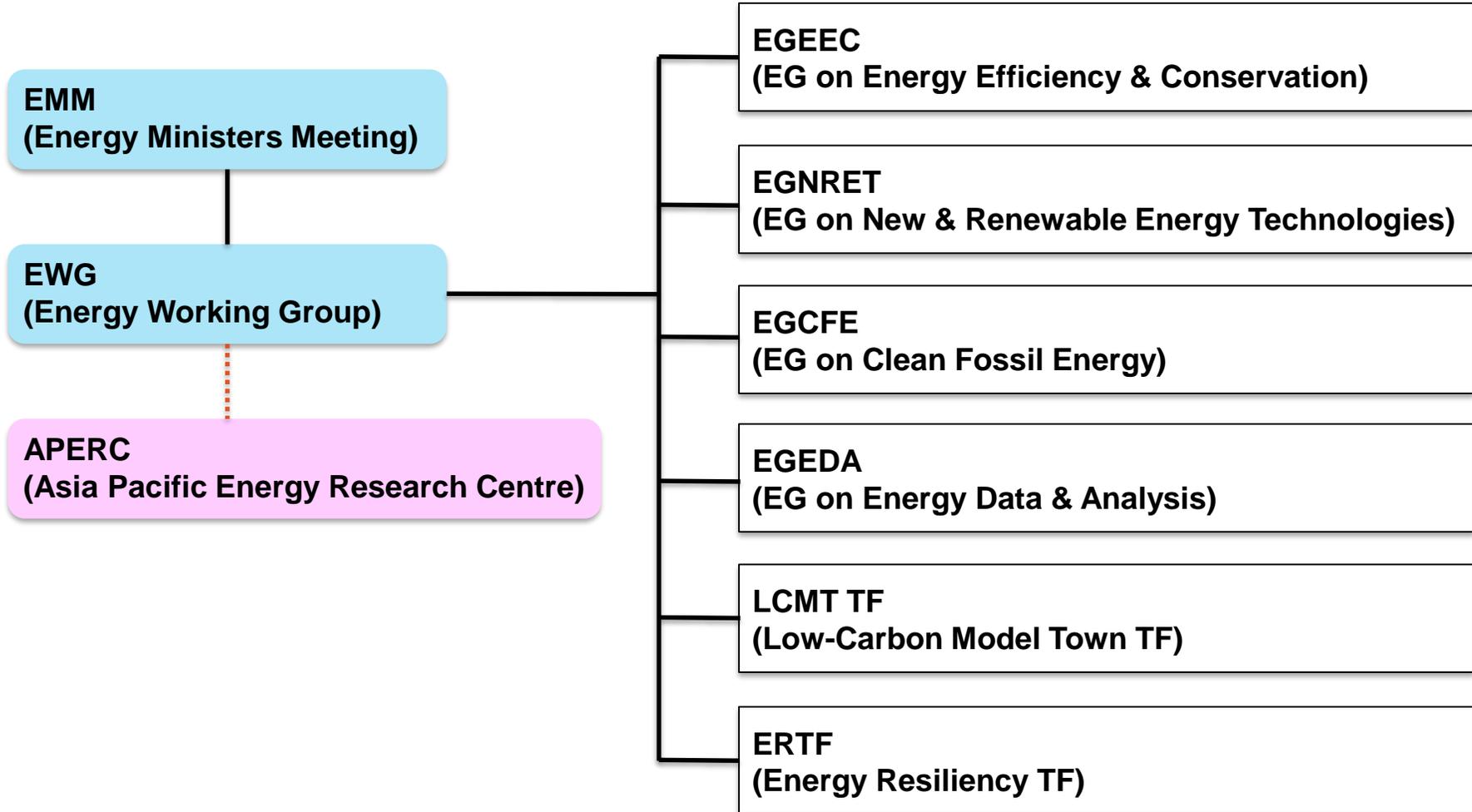
1. APERC background

APERC was established in Tokyo in 1996 after the Osaka APEC leaders meeting in 1995

- Primary Objectives is to foster a common understanding of energy challenges facing APEC member economies.
 - Through analysis of the supply and demand outlook,
 - The development of energy markets, and
 - Discussion of policy responses



Advisory body to EWG





2. PREE



Initiated by APEC Energy Ministers' 2007 Darwin Declaration

- Broad review of energy efficiency policies and measure
- Provide recommendations on potential improvements
 - Peer review by visiting experts
- PREE has been hosted by 11 Economies
 - New Zealand, Chile, Viet Nam, Thailand, Chinese Taipei, Peru, Malaysia, Indonesia, Brunei Darussalam, Philippines, and Mexico.
- Follow-up PREE hosted by 4 economies
 - Viet Nam, Philippines, Thailand, and Malaysia.

<http://aperc.iecej.or.jp/publications/reports/pree.php>

- The PREE project also includes the following activities:
 - Energy Efficiency Policy Workshop (EEP)
 - One-day capacity building workshop
 - Topic selected in consultation with APEC economies
 - Provides funding to attendees from travel eligible economies..
 - Four carried out to date
 - Energy Efficiency Policy Compendium
 - Repository for energy policies of APEC member economies.
 - Latest update from 2017 available from:
<http://aperc.ieej.or.jp/publications/reports/compendium.php>

- Follow-up PREE in Malaysia:
 - 26 – 30 March 2018
 - 3 days of workshop, 1 day of site visit and 1 day of recommendations preparation and presentation to Government.
 - Team of six experts from APEC economies and international organization:
 - Australia, Indonesia, Thailand, USA (2 experts) and IEA
 - Headed and supported by four APERC personnel
 - Review focused on the following sectors:
 - Land transportation
 - Thermal energy use in industry

- Malaysia is currently in the process of drafting the Energy Efficiency and Conservation Act.
- The economy launched the Green Technology Master Plan in July 2017 to escalate the low carbon technology deployment
- The challenges and recommendations were divided into three categories
 - Overarching
 - Land transportation
 - Thermal energy use in industry
- Report will be available before the next EGEEC meeting.

Among challenges identified are:

- Overarching

- Institutional framework
- Developing a strategy and setting targets
- Energy pricing
- Necessary funding

- Transportation

- Deployment of energy efficient vehicles
- Vehicle fuel economy labelling and standards
- Transport integration
- Travel demand management

- Thermal energy use in industry

- Data collection and monitoring
- Energy management systems
- Deployment of energy efficient technology
- Low carbon technology investment and financing

Follow up PREE – Malaysia



- Held in Washington DC
 - 10 April 2018
 - Hosted in conjunction with EGEEC 51
 - Topic: Conformity Assessment Approaches
 - Led by CLASP
 - 29 Attendees from 11 economies
 - China, Japan, Malaysia, Indonesia, Thailand, United States, Chinese Taipei, Mexico, Vietnam, Malaysia, and New Zealand.
 - Included international experts from: IFIA, ANAB, and Underwriter Labs .
 - The project funded 6 attendees from: Mexico, Russia, Malaysia, Viet Nam, and Chile.

- Some of the highlights include of EEP include:
 - There are different approaches to CA that place burden on different sectors. All have advantages and costs.
 - Also, requirements for safety, energy, and other variables vary significantly by jurisdiction.
 - This creates significant costs of compliance and testing creating barriers for trade and diffusion of technologies.
 - Efforts to align requirements to reduce costs are happening. Such as the IEC global motor efficiency programme.
 - There are still tensions related to domestic interests, technical capacity, and enforcement capacity that need attention.

EEP Washington DC

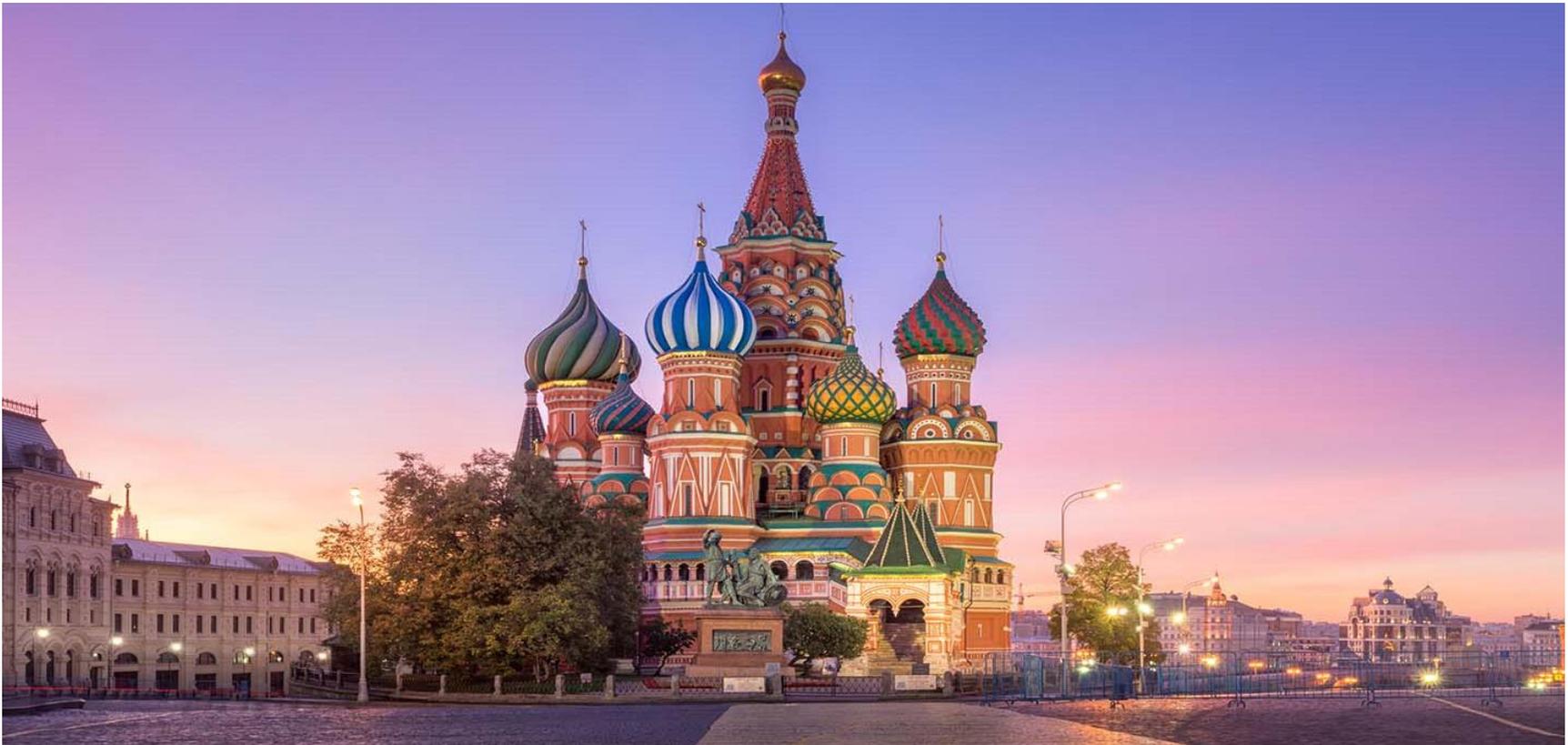
- Changes to the EE Compendium
 - APERC's cooperative activities rely on the support of economies to provide quality outputs
 - Data collection
 - Results review and endorsement
 - Workshop participation
 - In order to reduce the burden to economies APERC intends:
 - Stop the annual Compendium survey update.
 - Change the format to make it easier to review and update

- Published in October 2017
 - Significant overhaul from previous iterations.
 - To reduce the burden of APERC information requests:
 - Thorough update carried out by APERC researchers and endorsed by economies and EWG.
 - Added website links for in depth analysis.
 - Includes information on the existing policies, government departments in charged of policy, programme implementation, and existing programs.
 - <http://aperc.ieej.or.jp/publications/reports/compendium.php>



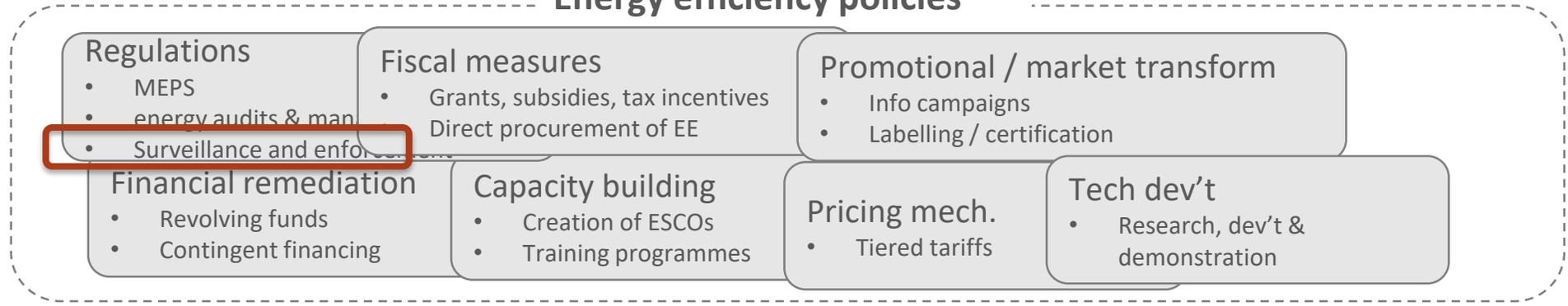
3. Next steps

- Russia will host the next PREE.
 - In Moscow
 - Late October or November (TBD)

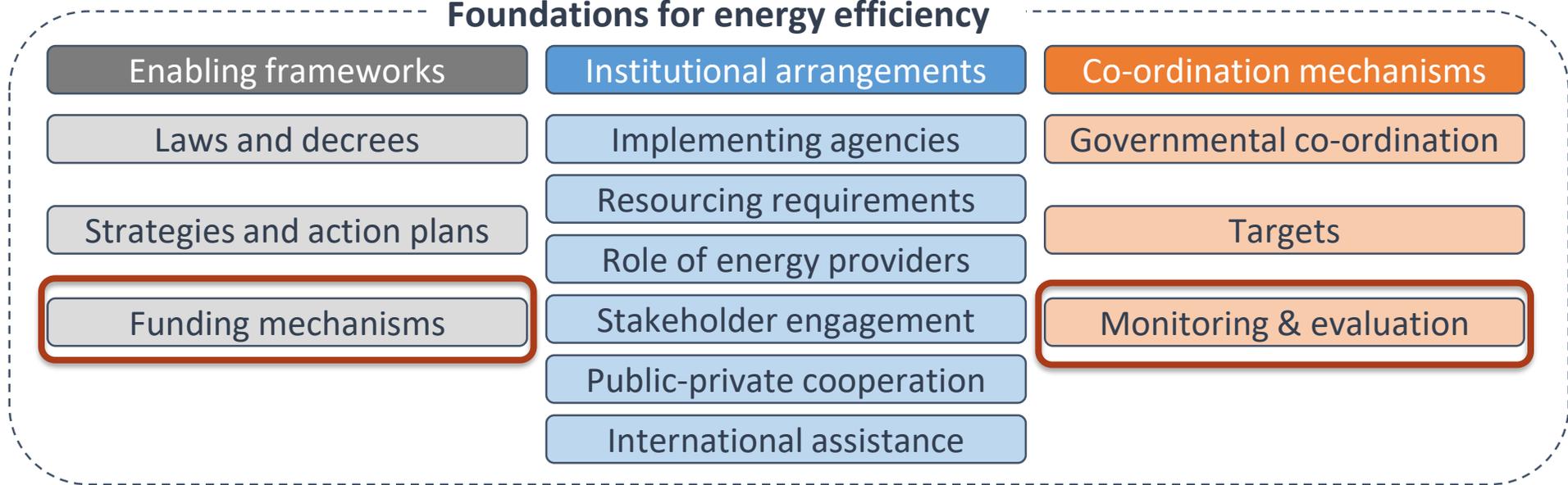


- To be held alongside EGEE&C 53
 - First half of 2019
 - Economy feedback will be sought for topic selection. Some topics proposed in the past include:
 - Policy roadmap development
 - EE in Industry – Implementation of Best Available Technologies
 - EE in Transport – Fuel economy regulations
 - Behavioural economics – Influencing responses.
 - Please consult with your economy representative and send feedback to: thomas.willcock@aperc.ieej.or.jp

Energy efficiency policies



Foundations for energy efficiency



- Compendium from 2018 onwards:
 - Information will be updated through the APEC Overview process.
 - Yearly energy overview of APEC economies
 - Looks at supply, demand, policy, and major projects.
 - Including energy efficiency
 - Ad-hoc updates for individual economies as needed
 - All the changes resulted in a more useful output and lower burden for economies

- Please provide feedback on topic of next EEP
 - Kindly send comments by email.
 - **thomas.willcock@aperc.iecej.or.jp**



Thank you for your kind attention

<http://aperc.ieej.or.jp/>