



The 55<sup>th</sup> Meeting of APEC Energy Working Group (EWG)  
Hong Kong, China, 16-17 May, 2018

# 5.a. APERC President's Report

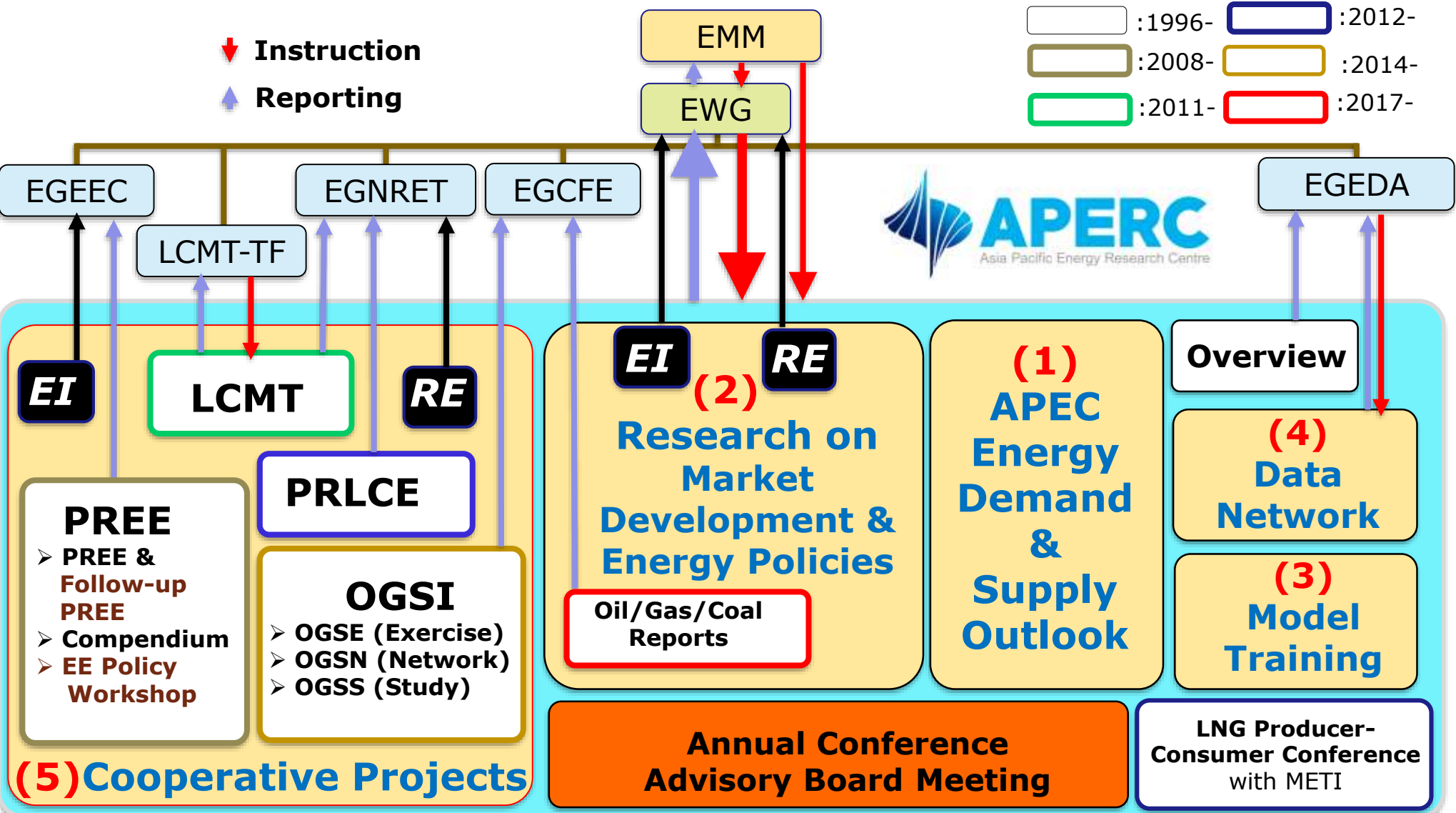
Takato OJIMI  
President, APERC



# 5.a. (1) APERC Activities Overview

▼ **Instruction**  
▲ **Reporting**

:1996-  :2012-  
 :2008-  :2014-  
 :2011-  :2017-



## 5.a. (2) APERC Tasks and Activities in 2018

- Continue to meet the current acute needs of APEC member economies by choosing appropriate research themes including preparation for the 7<sup>th</sup> Edition of APEC Demand and Supply (D/S) Outlook <TOR (1)(2)>
- Explore win-win collaboration between APEC D/S Outlook exercise and APEC energy data network <TOR(4)>
- Accept trainees and dispatch experts through listening to real needs of each economy <TOR(3)>
- Directly assist APEC member economies with Cooperative Activities to achieve APEC's aggregate energy intensity reduction goal of 45% by 2035 and goal of doubling the share of renewables by 2030 <TOR(5)>
- Strengthen efforts into oil and gas security and continue to promote dissemination of low-carbon town development <TOR(5)>

## 5.a. (3) APEC Energy Demand & Supply Outlook

- **The 'APEC Energy Demand and Supply Outlook' project is a priority task for APERC under the APEC Energy Action Programme adopted by leaders in 1995.**
- **The 7th edition is underway and builds on enhanced engagement with energy experts in economies initiated during 6<sup>th</sup> edition Outlook roadshow.**
- **Economy input:** Valuable feedback received during preliminary results review will help to improve APERC analysis. Further feedback on text will be needed this year.
- **3 Scenarios are planned:** Business as Usual (current policies); APEC Target (combines Intensity Goal with Doubling RE Goal); 2 Degree Scenario (consistent with 2°C increase).
- **Timeline:** Sept-Oct 2018 EWG and expert review of publication; April 2019 publication release at EWG 57.

## 5.a. (4) APEC Energy Overview

- The '**APEC Energy Overview**' series started in 2000 with the approval of EWG19, in order to help policymakers to share useful information and deepen understanding on energy issues in the APEC region.
  - The Overview is an annual publication, which contains updated energy demand/supply data as well as descriptions of energy policy and '**Notable Energy Developments**'.
  - In 2014, "**Energy Intensity Analysis**" on year-on-year progress for each economy was included as agreed by EGEDA.
  - The **2016 Edition** was published in May 2017 and is available at: [http://aperc.iecee.or.jp/publications/reports/energy\\_overview.php](http://aperc.iecee.or.jp/publications/reports/energy_overview.php)
  - In response to the EGNRET request to monitor RE share development, "**RE Share Analysis**" is included in the Overview 2017 edition to be published in June 2018.
- \* APERC appreciates the contributions and assistance by EWG and EGEDA members.*

## 5.a. (5) Trainees and Experts

- **APERC accepts energy modelling trainees** from developing economies.
  - **A seminar** in Tokyo will be held on 5-13 November 2018
- **APERC also dispatches experts** to help develop energy data and prepare energy demand and supply outlooks while enhancing 'energy literacy' of future leaders in the APEC region.
  - **5 workshops** were held in Mexico, Papua New Guinea, Peru and Indonesia (twice) in FY2017
  - **A cooperation course** on 'Energy Issues in the Asia-Pacific Region' at Waseda University, Japan is now in the third (final) year.



## 5.a. (6) APEC Energy Data Management Networks [⇒ 9.a.]

- **6<sup>th</sup> Meeting of Heads of JODI Partners Organizations was held in New Delhi, India on 10 April 2018.**



- **EGEDA Training Program on Energy Statistics is now on its fifth year.**

- **Short-term training will be held on 20-31 August 2018.**
- **Middle-term training will be held on 20 August-12 October 2018.**

(GECF)

**\*The first two weeks will be held at the same time.**

- **The 16<sup>th</sup> APEC Workshop on Energy Statistics will be held in Tokyo on 10-12 July 2018**

- **APEC Energy Statistics 2016 and APEC Energy Handbook 2016 will be published in October 2018.**



# 5.a. (7) Cooperative Activities

2007

2018

2019

<b>PREE</b>	1.NZ	2.CHL	3.VN	4.THA	5.CT	6.PE	7.MAS	8.INA	9.RP	10.BD		11.MEX	12.RUS (TBC)
<b>FU PREE</b>							1.VN		2.RP	3.THA		4.MAS	5.PE (TBC)
<b>PRLCE</b>				1.THA	2.RP		3.INA	4.MAS	5.VN	6.PNG			
<b>LCMT</b>			1.Yujiapu PRC	2.Samui THA	3.Da Nang, VN	4.San Borja PE	5.Bitung INA	6.Mandaue RP	7.Krasnoyarsk RUS				
<b>LCMT Symposium</b>									1.Jakarta INA	2.Da Nang VN		3.San Borja PE (TBC)	
<b>LCMT Dissemination</b>									1.Band Aceh, INA	1.Hang Tuah Jaya, MAS		1.Shah Alam, MAS	
<b>OGSE</b>						SE Asia	INA	launched OGSI	1.RP	2.AUS	3.PE		4.CHL (TBC)
<b>OGSNF</b>								1.Kitakyushu JPN	2.Kagoshima JPN	3.Irkutsk RUS	4.Tokyo JPN		5.Sendai JPN

EMM8

**APEC Leaders  
Sydney Meeting**

Energy intensity reduction goal of APEC region by at least **25% by 2030**  
Introduction of **PREE**

EMM9

**APEC EMM  
in Fukui**

Launch of **PRLCE & LCMT**  
Continuation of **PREE & CEEDS**

**APEC Leaders  
Honolulu meeting**

APEC's aggregate energy intensity reduction goal of **45% by 2035**

EMM10

**APEC EMM in  
St. Petersburg**

Instruction on improving the response to oil and gas emergency situations (**OGSE**)

EMM11

**APEC EMM  
in Beijing**

- Approval of **OGSI**
- Goal of **doubling** the share of **renewables by 2030**

EMM12

**APEC EMM  
in Cebu**

- Instruction on enhancing the **quality of electric power infrastructure**
- Move **LCMT** to the dissemination stage



## 5.a. (7) Cooperative Activities (cont'd)

### Peer Review on Energy Efficiency (PREE) [⇒10.c.]

#### Phase 7

- **Follow-up PREE in Malaysia**

- **Date: 26-30 March 2018**
- **Focus: Land transportation and thermal energy use in industry**
- **Participants: 64 (incl. review team) from 6 Ministries, 8 government agencies and 8 industries association, etc.**



- **3<sup>rd</sup> EEP Workshop in USA**

- **Date: 10 April 2018**
- **Focus: Conformity assessment**
- **Participants: 29 from 11 economies**



## 5.a. (7) Cooperative Activities (cont'd)

### Peer Review on Low Carbon Energy Policies (PRLCE) [⇒11.c.]

- **APERC welcomes eligible economies to volunteer hosting future PRLCE.**

### Low-Carbon Model Town (LCMT) [⇒6.b.]

#### Phase 7

- **Policy Review for Krasnoyarsk City, Russia was held on 5-7 December 2017**
- **Focus: Inland region with high demand for heating and cooling**
- **Participants: 34 (incl. review team) from Krasnoyarsk City Administration, Ministry of Ecology and Rational Natural Resource Management of Krasnoyarsk Territory, Siberian Federal University, Monolit Holding LLC, etc.**



(IEA)

### Oil and Gas Security Exercise (OGSE) 2017 in Lima, Peru

- **Date: 6-8 November 2017**
  - **Participants: 35 (incl. review team). Nearly half of the participants are from Ministry of Energy and Mines and the rest are from other ministries and industry**
  - **Oil and Gas Emergency Scenarios were provided.**
- 
- **Oil Emergency Scenario**
    - **Peru's central coast region, where Lima is located, was hit by an 8.8 magnitude earthquake and tsunami and the La Pampilla refinery has completely stopped operations.**
  - **Gas Emergency Scenario**
    - **Strong rains caused a massive landslide which fractured the Camisea gas pipeline, which transports more than 90% of Peru's natural gas.**

### Highlights of Oil and Gas Security Exercise in Peru

#### Oil Emergency Responses

- **Peru needs to consider to buy oil products from Chile.**
- **Peru does have emergency agreement with its neighbours, which can be triggered if any of the economies struck with natural disaster.**
- **Need to have a comprehensive plan in order to mitigate and managed oil supply shortages during emergency.**

#### Gas Emergency Responses

- **In this exercise, Peru participants did not give any information on demand figures. Demand sector details are very important in emergency cases.**
- **The government also needs to gather data on available storage capacity and other details, it also needs to consolidate the data and details.**
- **Need to think on long term plans for emergency purposes especially on infrastructure. Some infrastructure might be costly and some may be worth to be invest in.**

### APERC has 27 research staff

- Takato Ojimi (President)
  - James Michael Kendell (Vice President)\*
  - Kazutomo Irie (General Manager)
  - Melissa Christenberry Lott (Assistant Vice President)\*
  - Kaoru Yamaguchi
  - Edito Barcelona
  - Cho Yee IP\*
  - Ruengsak Thitiratsakul\*
  - Goichi Komori
  - Elvira Torres Gelindon
  - Choong Jong Oh\*
  - Yusuke Kimura
  - Martin M. Brown-Santirso\*
  - Takashi Otsuki
  - Muhamad Izham ABD. Shukor\*
  - Alexey Kabalinskiy\*
  - Atikah Ismail\*
  - Fang-Chia Lee\*
  - Kirsten Nicole Smith\*
  - Yuko Tanaka
  - Nguyen Linh Dan\*
  - Diego Rivera Rivota\*
  - Thomas Willcock\*
  - Gigih Udi Atmo\*
  - Yilin Wang\*
  - Juan Ignacio Alarcon\*
  - Takako Hannon
- \*17 visiting researchers

## 5.a. (10) APERC Budget

Unit: million yen

Fiscal Year	1996 9mns	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 (plan)
<b>Revenue from:</b>																							
<b>Japanese Government</b>	374	626	681	729	619	634	594	547	525	528	498	446	447	418	409	425	494	580	657	653	689	672	672
<b>Australian Government</b>									8	8	8												
<b>Total of Revenue</b>	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409	425	494	580	657	653	689	672	672
<b>Expenses:</b>																							
Energy Efficiency/APEC Energy Demand & Supply Outlook/ Related Research Programmes	227	443	494	550	455	469	434	390	379	377	377	338	339	318	315	308	325	325	432	501	522	423	423
Oil & Gas Security																		107	68	183	124	161	163
Energy Data Network & Know-How Transfer	147	183	187	179	164	165	160	157	154	159	129	108	107	100	94	94	86	68	100	97	91	86	86
<b>Total of Expenses</b>	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409	402	411	500	600	781	737	670	672



**Thank you for your kind attention**

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