



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

5.a. APERC President's Report

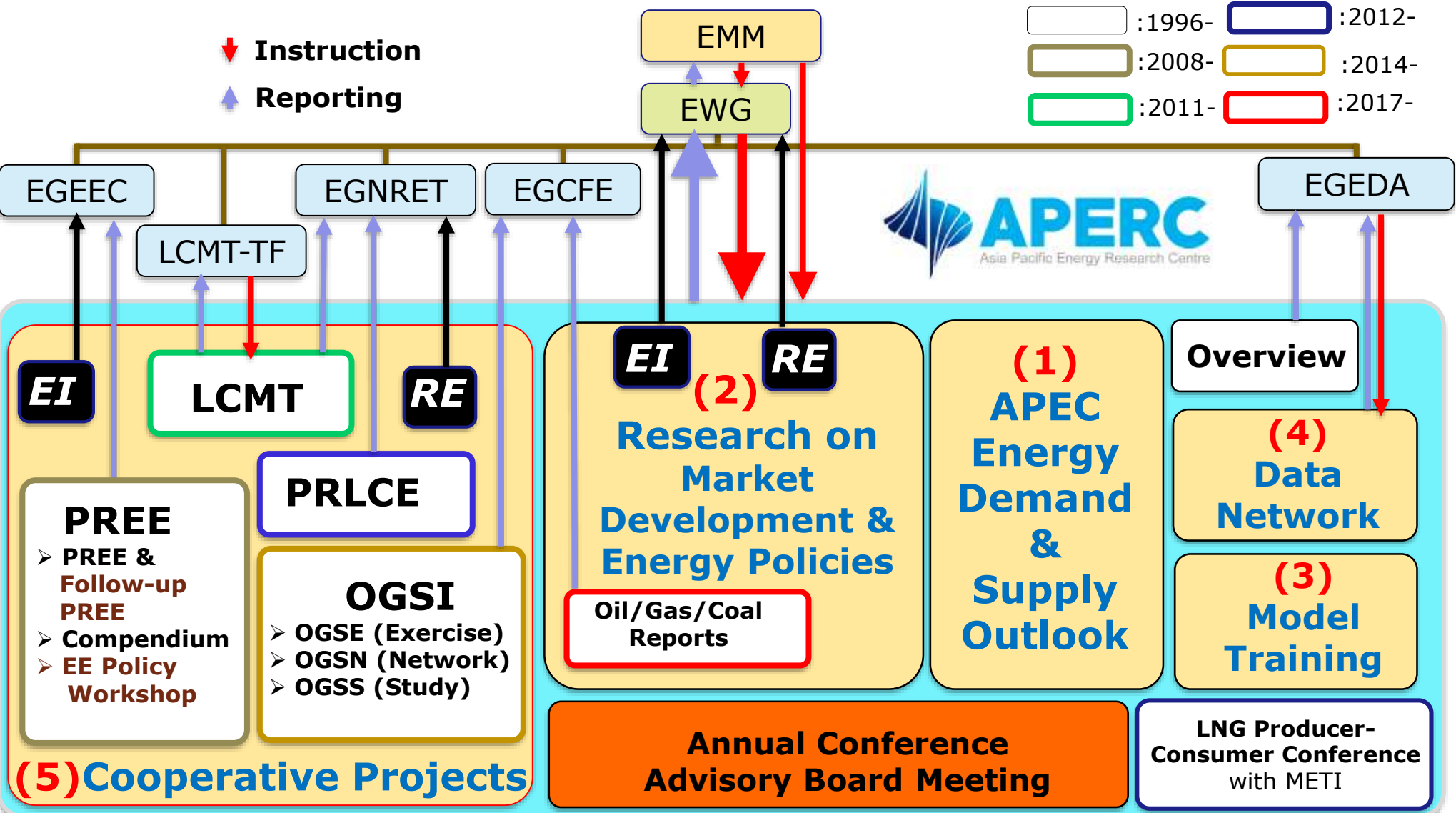
Takato OJIMI
President, APERC



5.a. (1) APERC Activities Overview

▼ **Instruction**
▲ **Reporting**

:1996-
 :2008-
 :2011-
 :2012-
 :2014-
 :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 7th 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 6th 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.iecej.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.]

- **6th 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 16th 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

PREE	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)
FU PREE							1.VN		2.RP	3.THA		4.MAS	5.PE (TBC)
PRLCE				1.THA	2.RP		3.INA	4.MAS	5.VN	6.PNG			
LCMT			1.Yujiapu PRC	2.Samui THA	3.Da Nang, VN	4.San Borja PE	5.Bitung INA	6.Mandaue RP	7.Krasnoyarsk RUS				
LCMT Symposium									1.Jakarta INA	2.Da Nang VN		3.San Borja PE (TBC)	
LCMT Dissemination									1.Band Aceh, INA	1.Hang Tuah Jaya, MAS		1.Shah Alam, MAS	
OGSE						SE Asia	INA	launched OGSI	1.RP	2.AUS	3.PE		4.CHL (TBC)
OGSNF								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.**



- **3rd 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)
Revenue from:																							
Japanese Government	374	626	681	729	619	634	594	547	525	528	498	446	447	418	409	425	494	580	657	653	689	672	672
Australian Government									8	8	8												
Total of Revenue	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409	425	494	580	657	653	689	672	672
Expenses:																							
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
Total of Expenses	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/>