

6.a. APERC President's Report

The 65th Meeting of APEC Energy Working Group (EWG65)
21-22 May 2023 (EDT) - Detroit, Michigan, US

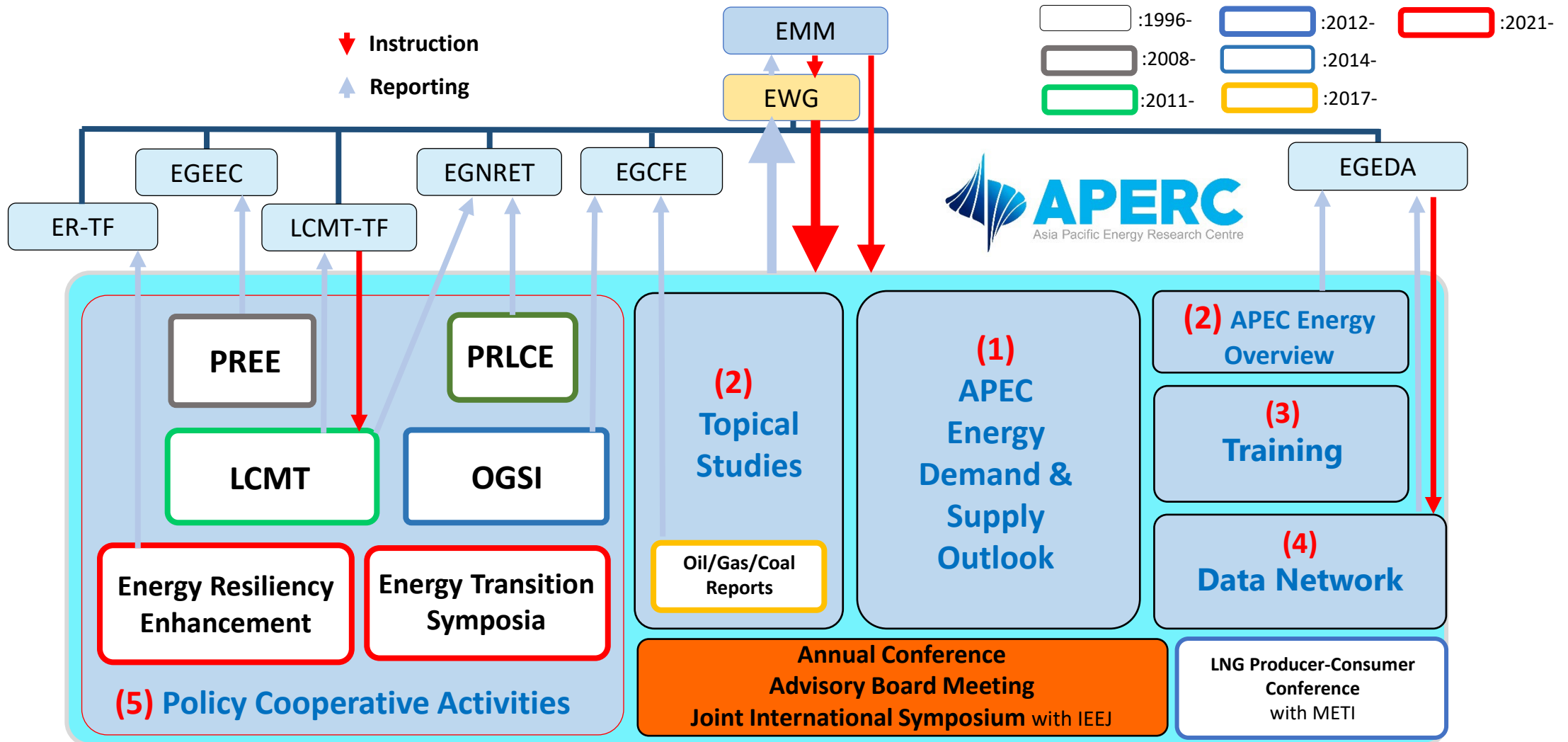
Kazutomo IRIE, PhD
President, APERC



Outline

1. APERC Activities Overview
2. Research Activities
3. Training
4. Data Management
5. Policy Cooperative Activities
6. Management Issues

1.a. APERC Activities Overview



1.b. APERC Tasks and Activities

- Continue to meet the current acute needs of APEC member economies by choosing appropriate **research themes** including preparation for **the 9th Edition of APEC Demand and Supply (D/S) Outlook** <TOR (1)(2)>
- Accept **trainees and dispatch experts** through listening to real needs of each economy <TOR(3)>
- Explore win-win collaboration between APEC D/S Outlook exercise and **APEC energy data network** <TOR(4)>
- Directly assist APEC member economies with **Policy Cooperative Activities** <TOR(5)>
 - to achieve APEC's aggregate **energy intensity reduction goal of 45%** by 2035 and **goal of doubling the share of renewables** by 2030
 - to strengthen efforts into **oil and gas security** and continue to promote dissemination of **low-carbon town development**
 - to enhance **energy resilience** and promote decarbonization towards **carbon neutrality** in the APEC region

2.a. APEC Energy Demand and 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 Outlook provides quantitative analyses and policy insights on projected trends for energy demand and supply in APEC economies through 2050.
- APERC has produced eight editions of the APEC Energy Demand and Supply Outlook.
- The **8th Edition Outlook** was published in September 2022. APERC researchers are sharing the findings with member economies.
- The **modelling tools developed for the Outlook** are used for training activities in APEC economies.
- APERC researchers have started preparation for **the 9th Edition Outlook** to be published in 2025.

2.b. 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**'.
- Progress of **APEC goals on energy intensity and renewable share** has been tracked and analysed in each year.
- **The 2022 Edition** was completed and published in **September 2022**.
- Drafting for **the 2023 Edition** is on going and its publication is expected in **July 2023**.

2.c. Topical Studies

- Along with the Outlook and the Overview, APERC has been conducting research on topics relevant to energy issues and policies in the APEC region.
- Studies focusing on [fossil fuels](#) ([coal](#), [oil](#) and [natural gas](#)) to support the [Expert Group on Clean Fossil Energy \(EGCFE\)](#) have been published since [2017](#).
 - [APERC Fossil Fuel Reports 2022: Coal Report 2022 and Gas Report 2022](#) were published in January/February 2023. [Oil Report 2022](#) is being finalized.
 - [Summaries](#) of the APERC Fossil Fuel Reports 2022 were presented at [EWG64 in November 2022](#).
 - APERC will start preparation of the [APERC Fossil Fuel Reports 2023 series](#), adding the [Hydrogen Report in 2023](#).
- Each researcher pursues research topics based on his/her research interest within the scope of energy economics and energy policy of the APEC region.

3. Training

- APERC accepts energy modelling **trainees** from developing economies.
 - APERC organized the 29th Seminar on Energy Modelling in March 2023 in Tokyo.
- APERC also **dispatches experts** to help develop energy data and prepare energy demand and supply outlooks while enhancing the 'energy literacy' of future leaders in the APEC region.
 - In the absence of requests from member economies, there was no dispatch of experts in 2022
 - For 2023, a one-week training course on energy modelling using the OSeMOSYS software will be held in Thailand tentatively in summer upon the request of the Energy Policy and Planning Office (EPPO) of the Ministry of Energy.
- The **cooperation course** on "Energy Future of the Asia Pacific Region" at Kyoto University Graduate School of Energy Science was conducted from April to July 2022, and started again in April 2023.

4. Energy Data Management Networks

- The **EGEDA Training Program** on Energy Statistics for 2022
 - The **short-term course** on energy statistics was held in Tokyo on 6-16 February 2023
 - A **special training course for Viet Nam** was held in Tokyo from 27 February to 3 March 2023
 - The **8-week training course on energy statistics** is planned to be held in Tokyo from June to July 2023
- The **20th APEC Workshop on Energy Statistics**, Phase II of the joint workshop on energy efficiency indicators with IEA, was held in November 2022 online.
- The **21st APEC Workshop on Energy Statistics** will be held in September 2023. The workshop aims to discuss new technologies and related energy production and consumption data collection. These include:
 - Hydrogen/Ammonia/e-fuels
 - District cooling
 - Grid-scale battery storage
 - New road vehicle technologies such as EVs and FCEVs

5.a. PREE, PRLCE & LCMT

□ Peer Review on Energy Efficiency (PREE)

- **Follow-up PREE** for Indonesia was held online in November 2021. Its final report was published in June 2022 and its summary was reported at EWG64.
- **The 6th EEP workshop** on "Energy Efficiency Project Financing" was held online in conjunction with EGEEC 58 in March 2022. Its summary report was published in July 2022 and its main points were reported at EWG64.
- Communication with the **Chilean** government to host future **PREE (Follow-up PREE)** is ongoing.

□ Peer Review on Low Carbon Energy Policies (PRLCE)

- The next **PRLCE is to be hosted by Peru** tentatively in **November 2023**.

□ Low-Carbon Model Town (LCMT) Dissemination Phase 3

- The summary report of **the wrap-up LCMT Symposium** was published in October 2022.
- The report of the feasibility study of three volunteer towns of Dissemination Phase 3 (**La Molina (Peru), Khon Kaen (Thailand), Phu Quoc (Viet Nam)**) was published in December 2022.

5.b. Oil and Gas Security Initiative

❑ Oil and Gas Security Exercise (OGSE)

- The **5th OGSE in Thailand** was postponed but is now scheduled to be held in September 2023.

❑ Oil and Gas Security Network (OGSN)

- The **6th OGSN Forum** was held online, back-to-back with EGCFE 2023 online meeting in April 2023.
- Issued **51st OGS Newsletter** as of May 2023. Preparation for the **52nd issue** is ongoing and will be published by the end of **June 2023**.

❑ Oil and Gas Security Studies (OGSS)

- The **19th OGSS** on the impact of the energy transition on oil and gas security is almost completed and will be published soon.
- The Topic for the **20th OGSS** “What are the energy security implications of recent declines in both APEC and global spare petroleum refining capacity?” was discussed at the 6th OGSN Forum.

5.c. Energy Resiliency

□ Workshops on Energy Resiliency Principle

- APERC supported METI in organizing [APEC Workshops on Energy Resiliency Principle](#), which were held online in Chile and Chinese Taipei both in January 2022, and in the Philippines in February 2022.
- Feedback from three workshops has been incorporated in formulating the APEC Energy Resiliency Guidelines, the draft of which has been circulated among APEC member economies for endorsement by EWG.

□ Energy Resiliency Enhancement Project

- APERC will continue to support METI in conducting [APEC Energy Resiliency Enhancement Project](#), which includes 1) developing an evaluation model, 2) creating sectoral guidelines for energy infrastructure companies, and 3) holding a workshop for dissemination as the follow-up actions.
- The 1st phase of the Enhancement Project started in August 2022 and is currently in the process of planning a workshop in September 2023. The project will be completed in December 2023.

5.d. Energy Transition

□ Series of Sectoral Symposia on Energy Transition

- APERC organized [the APEC Symposium on the Holistic Approach of Decarbonization towards Carbon Neutrality](#) online in August 2021.
- The symposium emphasized not only renewable energy but also other various measures, including energy efficiency and conservation; hydrogen/ammonia; carbon capture, utilization and storage (CCUS); and nuclear energy can be mobilized.
- APERC is planning to follow up the symposium by holding **a series of sectoral symposia** related to decarbonization for the energy transition. The first one will be **Symposium on Decarbonizing Fossil Fuels** to be held in October 2023. It will be followed by **Symposium on Promoting Energy Efficiency**, which is scheduled to be held in January 2024.

6.a. APERC Research Staff

APERC has 26 research staff

**16 visiting researchers*

- Kazutomo Irie (President)
- Glen Sweetnam (Senior Vice President)*
- Munehisa Yamashiro (Vice President/General Manager)
- Yoshiaki Imaizumi (Deputy General Manager)
- David Wogan (Assistant Vice President)*
- Edito Barcelona
- Thanan Marukatat*
- Elvira Torres Gelindon
- Nobuhiro Sawamura
- Alexander Izhbuldin*
- Manuel Antonio Heredia Munoz*
- Jeongdu Kim*
- Phung Quoc Huy*
- Christopher James Doleman*
- Mathew Horne*
- Asmayati ab Manan*
- Ario Jati*
- Zhichao Li*
- Nabih Matussin*
- Emily Medina*
- Risa Pancho
- Finbar Maunsell*
- Phawida Jongsuwanwattana
- Le Kieu Ly Tran*
- Takako Hannon
- Ikuno Yamaguchi

6.b. APERC Budget

Unit: million yen

Fiscal Year	1996 9mns	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Revenue from:														
Japanese Government	374	626	681	729	619	634	594	547	525	528	498	446	447	418
Australian Government									8	8	8			
Total of Revenue	374	626	681	729	619	634	594	547	533	536	506	446	447	418
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
Oil & Gas Security														
Energy Data Network & Know-How Transfer	147	183	187	179	164	165	160	157	154	159	129	108	107	100
Total of Expenses	374	626	681	729	619	634	594	547	533	536	506	446	447	418
Fiscal Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Revenue from:														
Japanese Government	409	425	494	580	657	653	689	672	672	672	672	672	672	672
Total of Revenue	409	425	494	580	657	653	689	672	672	672	672	672	672	672
Expenses:														
Energy Efficiency / APEC Energy Demand & Supply Outlook / Related Research Programmes	315	308	325	325	432	501	522	423	388	406	338	330	474	423
Oil & Gas Security				107	68	183	124	161	119	100	59	43	224	163
Energy Data Network & Know-How Transfer	94	94	86	68	100	97	91	86	73	44	40	90	90	86
Total of Expenses	409	402	411	500	600	781	737	670	580	550	437	463	788	672

Thank you.

<https://aperc.or.jp>

