

3.a. APERC President's Report

The 68th Meeting of APEC Energy Working Group (EWG68)
12-13 August 2024 – Lima, Peru

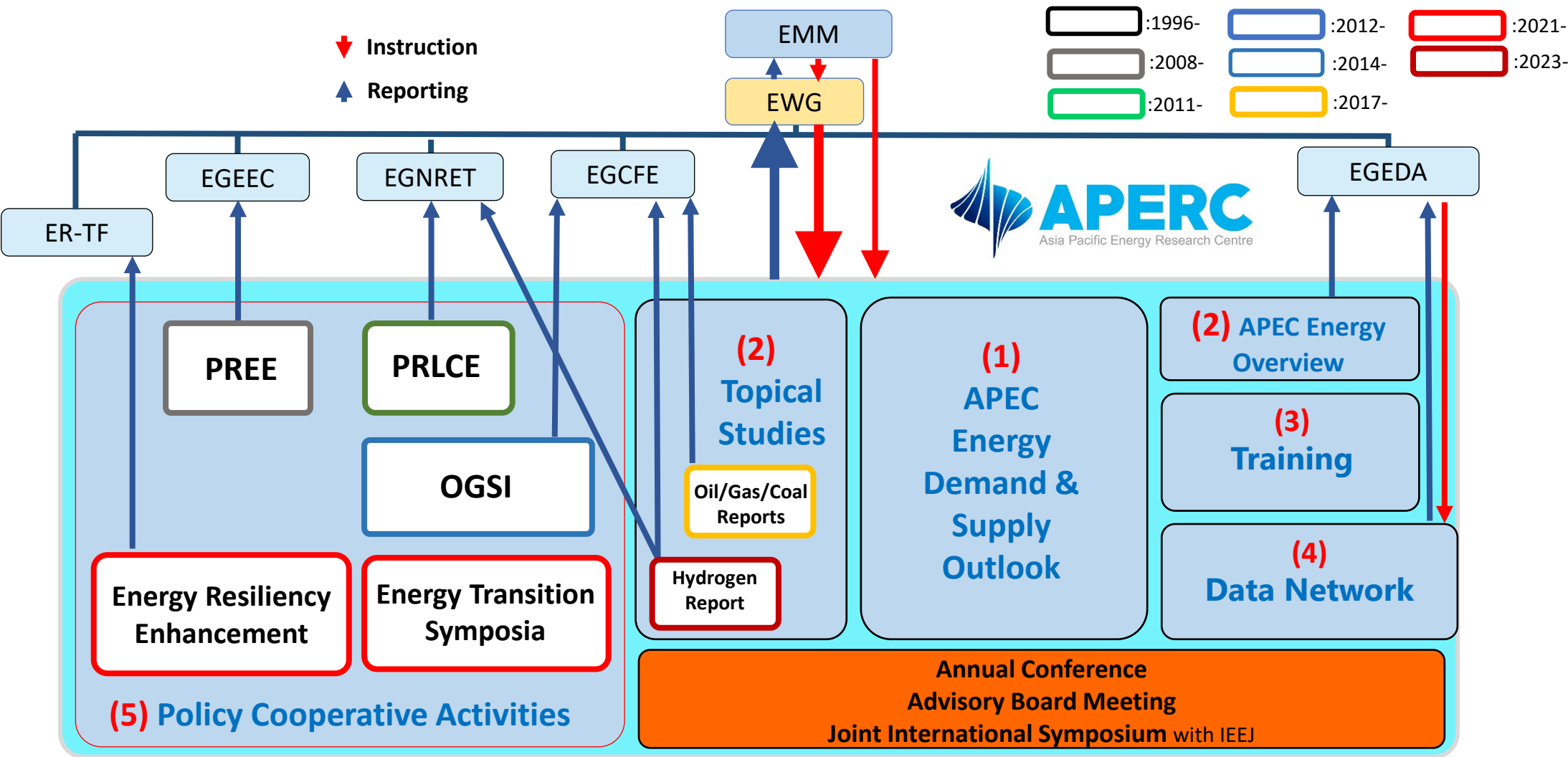
Kazutomo IRIE, PhD
President, APERC



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 Energy 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 **modelling tools developed for the Outlook** are used for training activities in APEC economies.
- APERC researchers have begun modelling for **the 9th Edition Outlook** to be published in September 2025. Two scenarios (**Reference Scenario** and **Target Scenario**) are under consideration, with projections now extending to **2060**.
- Preliminary model results have been sent out to approximately half of the APEC economies for review. The rest will be sent by the third quarter of 2024.
- Modelling for all economies (including revisions/amendments) is anticipated to be complete by January 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 each year. The economy's respective energy transition programs were likewise regularly discussed.
- The **APEC Energy Overview 2024** was endorsed by EWG in July 2024 and its publication is expected in August 2024.

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 2023: The Coal Report 2023](#) and [Oil Report 2023](#) were published in early February 2024. [The Hydrogen Report 2023](#) and [Gas Report 2023](#) were published in May 2024.
 - The summary of the Hydrogen Report 2023 was presented at EWG 67 in Lima, Peru.
 - The summaries of Coal Report 2023, Oil Report 2023, and Gas Report 2023 were presented at EWG 68 in Lima, Peru.
 - APERC will start preparation of the four [APERC Fossil Fuel Reports 2024](#) in the second half of 2024.
- 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 **30th Seminar on Energy Modelling** in March 2024 in Tokyo.
 - APERC will organize the **31st Seminar on Energy Modelling** in March 2025 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.
 - APERC dispatched experts to **Malaysia** for a one-week training course on energy modeling using the LEAP software on 22-26 April 2024.
 - APERC will dispatch experts to **Thailand** for a training course on end-use energy modeling using the LEAP software in October or November 2024
- The **cooperation course** on "**Energy Future of the Asia-Pacific Region**" at Kyoto University Graduate School of Energy Science for the school year 2024-2025, will start in October 2024.

4. Energy Data Management Networks

- The **EGEDA Training Program** on Energy Statistics
 - The **short-term-course on energy statistics** will be held in Tokyo on **3-14 February 2025**.
- The **22nd APEC Workshop on Energy Statistics** was held in Tokyo on 23-26 July 2024. The workshop aims to track the improvements in energy data collection that were expected after annual workshops in 2020, 2021, 2022, and 2023. This includes:
 - New and renewable energy
 - Hydrogen/Ammonia/e-fuels
 - District cooling
 - Grid-scale electricity storage
 - Energy consumption of electric road vehicles
 - Fugitive GHG emissions
 - Energy efficiency indicators

5.a. PREE, PRLCE

❑ Peer Review on Energy Efficiency (PREE)

- **Follow-up PREE in Chile** was conducted from 6-10 May 2024. The review team visited Santiago de Chile and held a 5-day. The drafting of the Follow-up PREE in Chile summary report is currently ongoing.
- The **8th EEP workshop** will be held in conjunction with the 63rd EGEEC meeting in Tianjin, China, on **5 November 2024**. The theme of this workshop will be “Energy Management: Standards, Policies, and Best Practices.”
- To succeed PREE activities, APERC plans to hold Capacity-Building Workshops for Energy Efficiency and Conservation Policy in conjunction with the EGEEC biannual meetings from 2025 onward.

❑ Peer Review on Low Carbon Energy Policies (PRLCE)

- The **7th PRLCE for Peru** focused on energy efficiency policies development and deployment, buildings, electromobility, and district energy systems, among others, was held on 5-7 December 2023. The Summary Report of PRLCE for Peru is awaiting EWG approval.
- To succeed PRLCE activities, APERC is considering holding Capacity-Building Workshops for New and Renewable Energy Policy in conjunction with the EGNRET biannual meetings from 2025 onward.

5.b. Oil and Gas Security Initiative

❑ Oil and Gas Security Exercise (OGSE)

- The **5th OGSE in Thailand** was held on 6-8 September 2023. Its summary report was endorsed by EWG in January 2024 and published on both APEC and APERC websites in February 2024.

❑ Oil and Gas Security Network (OGSN)

- The **7th OGSN Forum** was held in Osaka, Japan, on 20-21 March 2024.
- The 58th **OGS Newsletter** was issued in June 2024. Preparation for the **59th issue** is ongoing and will be published by the end of **August 2024**.

❑ Oil and Gas Security Studies (OGSS)

- Draft report of the **20th OGSS** was presented at the 7th OGSN Forum in March 2024 and at the EGEEC 62 & EGCFE 2024 Joint Meeting in May 2024. The final report was presented at the EWG 68 meeting and will be published on the APEC and APERC websites by the end of this year.
- Two potential topics for the **21st OGSS** were discussed at the 7th OGSN Forum in March 2024. The first topic, "**The Energy Security Implications of Declining LNG Investment**", was further discussed and eventually approved for the 21st OGSS at the EGCFE 2024 meeting. The second topic, "**The Implications of Underinvestment in Upstream Oil Sector Chain to Oil Supply Security of APEC**", will be considered for the **22nd OGSS**.

5.c. Energy Resiliency

☐ Energy Resiliency Enhancement Project

- APERC continues to support METI for [APEC Energy Resiliency Enhancement Project](#), which includes 1) evaluating energy resiliency indicators, 2) creating sectoral guidelines for energy infrastructure companies, and 3) holding a workshop for capacity building.
- The [sectoral guidelines and the project summary report](#) were endorsed in May 2024.

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 has planned to follow up the symposium by holding **a series of sectoral symposia** related to decarbonization for the energy transition.
- The first sectoral **Symposium on Decarbonizing Fossil Fuels** was held in Kobe, Japan on **11-12 October 2023**. The second sectoral **Symposium on Promoting Energy Efficiency and Energy Management System** was held in Tokyo on **23-24 January 2024**.
- The key highlights of the 2 symposia were presented at **APEC Energy Transition Workshop** in Nanjing, China, on 20 May 2024, in conjunction with EGEEC 62 & EGCFE 2024 Joint Meeting.
- The third **Symposium on Bioenergy** will be co-organized with Ministry of Energy, Thailand, in Khon Kaen, Thailand on **26-27 November 2024**.

6.a. APERC Research Staff

APERC has 27 research staff *16 visiting researchers

(as of 1 August 2024)

- Kazutomo IRIE (President)
- Glen SWEETNAM (Senior Vice President)*
- Munehisa YAMASHIRO (Vice President/General Manager)
- Yoshiaki IMAIZUMI (Deputy General Manager)
- Edito BARCELONA
- Thanan MARUKATAT*
- Elvira Torres GELINDON
- Alexander Konstantinovich IZHBULDIN*
- Manuel Antonio HEREDIA MUNOZ*
- PHUNG Quoc Huy*
- Zhichao LI*
- Ting Jui SUN*
- Juniko Parlinggman PARHUSIP*
- Mohd Shah Hambali Bin ARIFIN*
- Jungyoon KIM*
- Nobuhiro SAWAMURA
- Muhammad Nabih Fahkri MATUSSIN*
- Rodrigo MARTINEZ PICAZO*
- Noriel Christopher Regis REYES*
- Leanne Nicole SARGENT*
- Yasmin FOULADI*
- Risa PANCHO
- Finbar Barton MAUNSELL*
- Phawida NOGUCHI
- Hyuga KASAI
- 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	2010
Revenue from: Japanese Government Australian Government	374	626	681	729	619	634	594	547	525 8	528 8	498 8	446	447	418	409
Total of Revenue	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409
Expenses:															
Energy Efficiency/APEC Energy Demand & Supply Outlook/ Related Research Programmes Oil & Gas Security	227	443	494	550	455	469	434	390	379	377	377	338	339	318	315
Energy Data Network & Know-How Transfer	147	183	187	179	164	165	160	157	154	159	129	108	107	100	94
Total of Expenses	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409
Fiscal Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Revenue from: Japanese Government	425	494	580	657	653	689	672	672	672	672	672	672	672	556	
Total of Revenue	425	494	580	657	653	689	672	672	672	672	672	672	672	556	
Expenses:															
Energy Efficiency/APEC Energy Demand & Supply Outlook/ Related Research Programmes Oil & Gas Security	308	325	325	432	501	522	423	388	406	338	330	474	492	421	
			107	68	183	124	161	119	100	59	43	224	263	175	
Energy Data Network & Know-How Transfer	94	86	68	100	97	91	86	73	44	40	90	90	82	79	
Total of Expenses	402	411	500	600	781	737	670	580	550	437	463	788	837	675	

Thank you.

<https://aperc.or.jp>

