

# PREE Project Update (Phase 13)

**EGEEC 62 and EGCGE 2024 Joint Meeting**

23 May 2024 – Nanjing, China

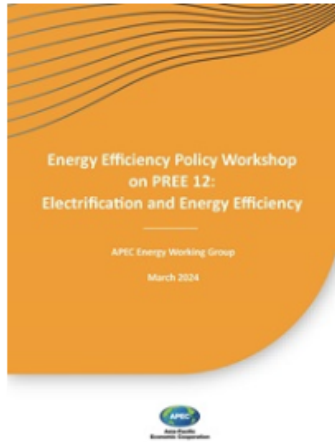
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# 7<sup>th</sup> EEP workshop summary report is available now !

## Energy Efficiency Policy Workshop on PREE 12: Electrification and Energy Efficiency



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### What's New

#### Report

PDF

## Energy Efficiency Policy Workshop on PREE 12: Electrification and Energy Efficiency

2024.03.27

Explore



### Description

The 7th Energy Efficiency Policy (EEP) Workshop in Makati, the Philippines, on October 15, 2023, focused on capacity-building for effective electrification and energy efficiency policies. Aligned with the APEC 61st EGEEC and 59th EGNRENT Joint meeting, the one-day intensive in-person workshop featured speakers from APEC economies like Indonesia; Korea; Japan; the Philippines; and the United States. Twenty-eight participants from 10 APEC economies discussed key issues on electrification and energy efficiency, emphasizing electrification, demand flexibility, and time of use (TOU) as the enablers to bridge energy efficiency and renewable energy. The importance of investing in smart grid infrastructure was highlighted to address the intermittency of variable renewable energy.

### APEC website



### APERC website



# Today's agenda

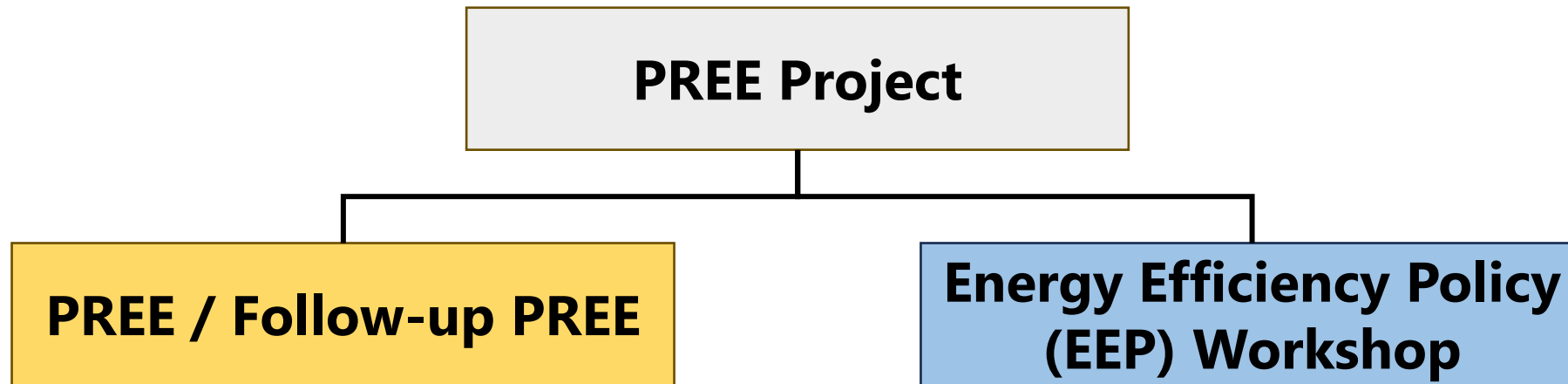
- **Project purpose**
- **Progress of Follow-up PREE in Chile**
- **Planning the 8<sup>th</sup> Energy Efficiency Policy Workshop**

# Today's agenda

- **Project purpose**
- Progress of Follow-up PREE in Chile
- Planning the 8<sup>th</sup> Energy Efficiency Policy Workshop

# What is the PREE (Peer Review on Energy Efficiency) project ?

- Initiated by APEC leaders in Sydney, Australia, [2007 Darin Declaration](#), September 2007
- Contributes towards achieving the shared APEC [energy intensity reduction](#) goal of [45%](#) from [2005](#) levels by [2035](#)



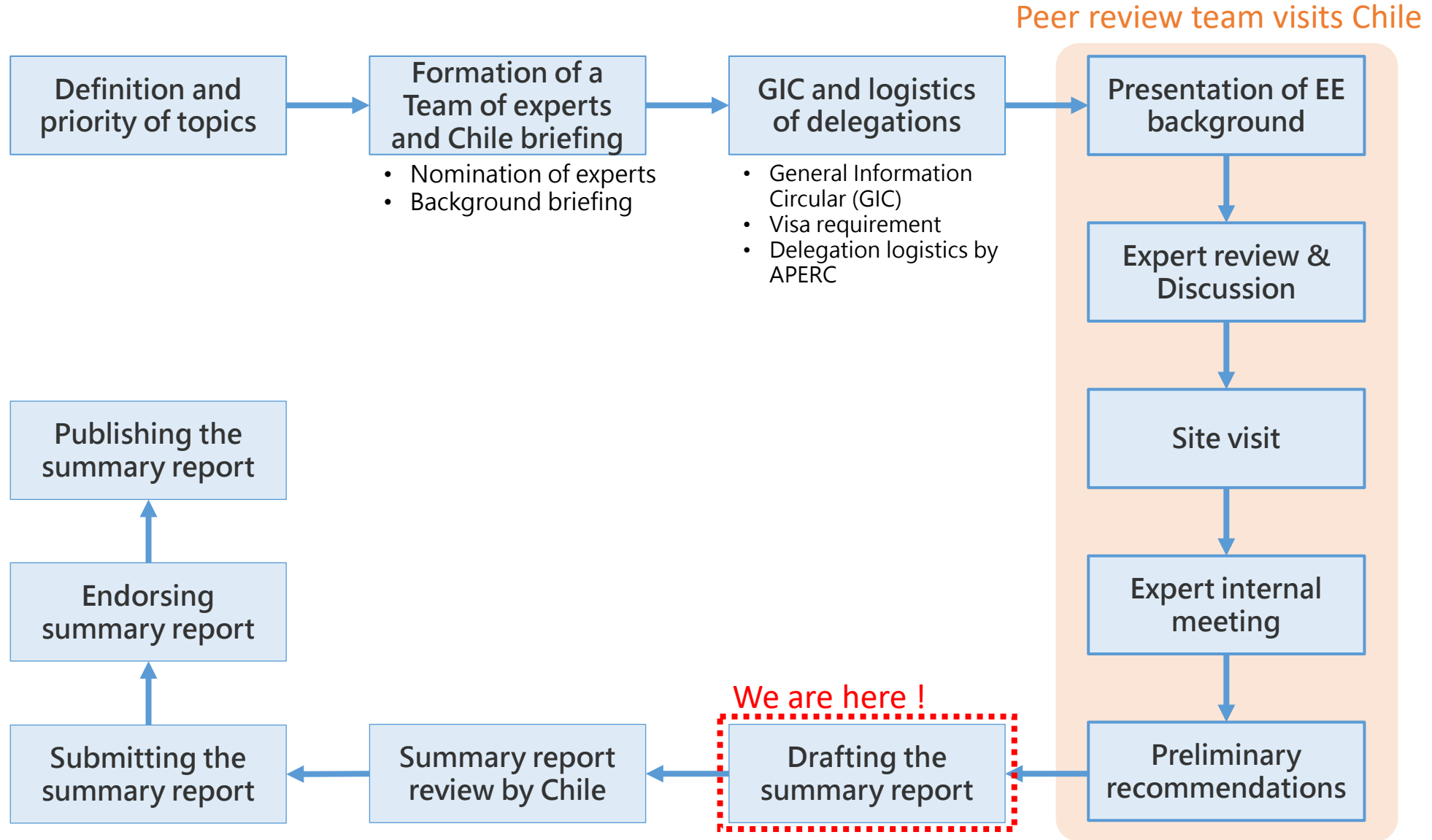
Provide broad review and recommendations for a [volunteer host economy](#) on implementing their energy efficiency policies and measures.

Discuss critical issues in [policy development](#), [implementation](#), and [evaluation](#) for higher energy efficiency.

# Today's agenda

- Project purpose
- **Progress of Follow-up PREE in Chile**
- Planning the 8<sup>th</sup> Energy Efficiency Policy Workshop

# The workflow of Follow-up PREE in Chile





# Background of Follow-up PREE in Chile

- Chile completed the PREE in 2009, and **21 recommendations** were developed.
- Follow-up PREE in Chile was held on **6-10 May, 2024** in Santiago.
- Chile prepared **12 presentation sessions** for the PREE expert team.





# Outcome of Follow-up PREE in Chile

## Priority of topics

- **8 priority fields** have been identified by Chile, including energy efficiency policy development, institutional and legal framework, data collection and monitoring, industry, building, transport, district energy, and energy systems.

## Establishing the expert team

- The PREE expert team consisted of **5 experts** (AUS; PRC; CT: US and UNEP) and **4 APERC members**.

## Follow-up PREE workshop in Chile

- Chile held a **5-day workshop** in Santiago, including a **one-day** site visit.
- Ministry of Energy (MEN), Sustainable Energy Agency (ASE), Superintendence of Electricity and Fuels (SEC) made the presentations in the workshop.

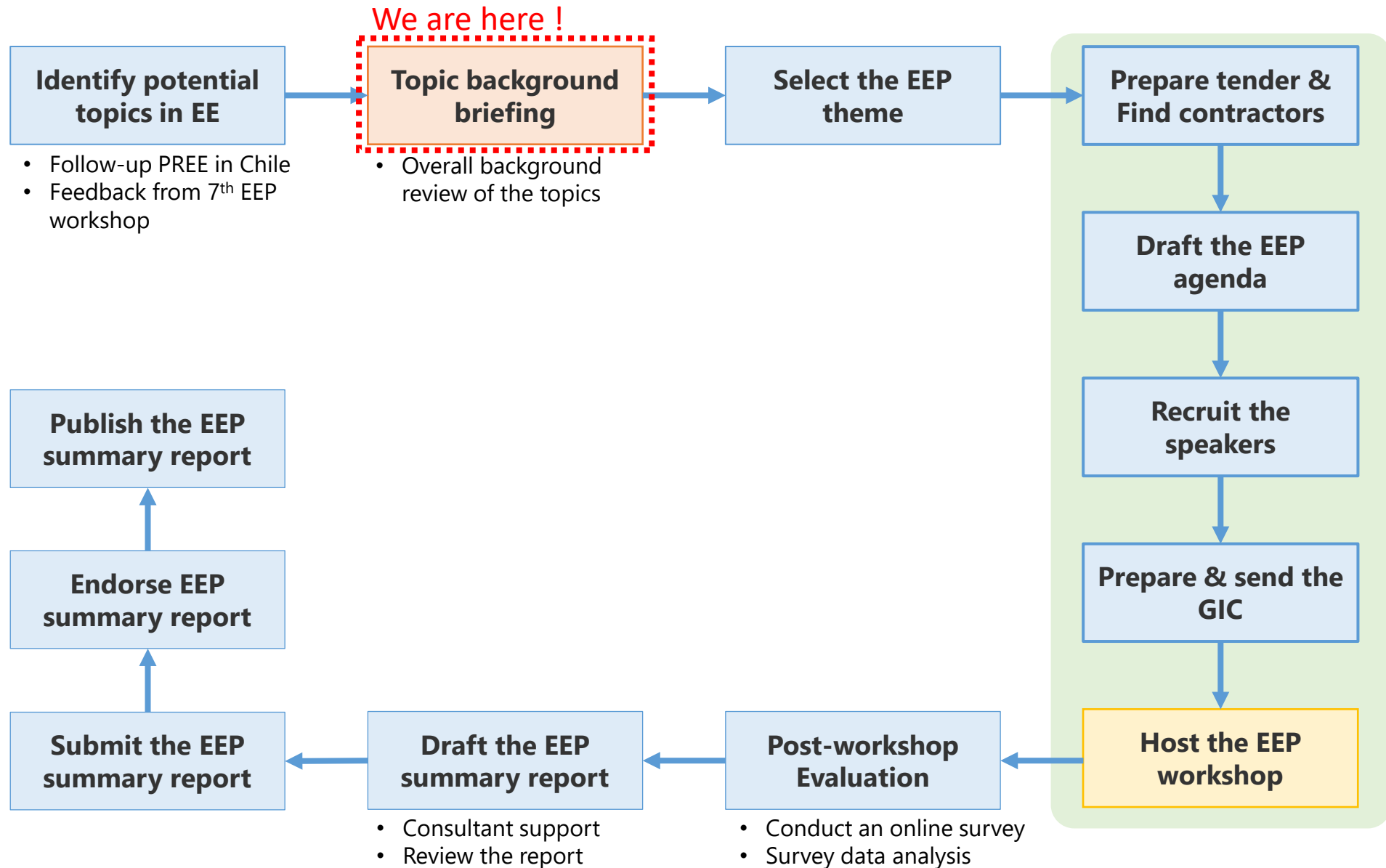
## Preliminary recommendations

- Chile and PREE expert team had an in-depth discussion on each preliminary recommendation.

# Today's agenda

- Project purpose
- Progress of Follow-up PREE in Chile
- **Planning the 8<sup>th</sup> Energy Efficiency Policy Workshop**

# The workflow of EEP workshop



# Steps for refining the 8<sup>th</sup> EEP workshop

## Feedback from participants in the 7<sup>th</sup> EEP workshop

- Inviting experts with [engineering backgrounds](#)
- Provide [case studies](#) in the related field.
- Provide [presentation materials](#) before the event

## Chile's energy efficiency policy review

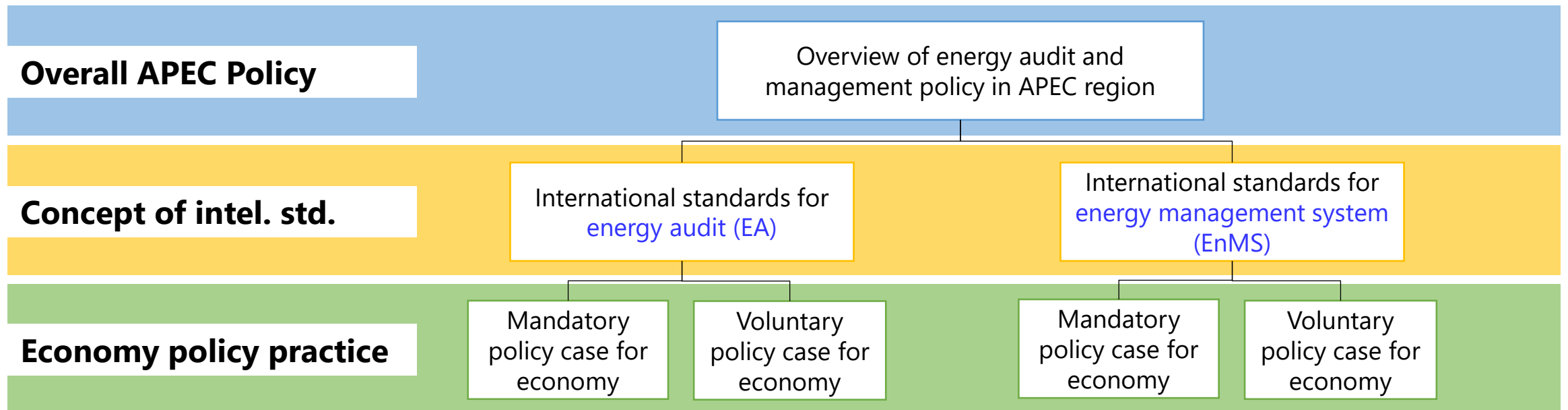
- **36.1%** of final energy consumption by [industry sector](#) in 2021 (APERC, 2023)
- Chile' released the [Energy Efficiency Law](#), focusing on [energy management system](#) for industry
- Chile preferred political measures and sectoral analysis, especially in [industry and building sector](#)

# Possible 8<sup>th</sup> EEP workshop theme and content

**Theme:** Integrating International Standards and Policy Instruments for Advancing Energy Management

## Main content

- Introduction to [Energy Management Standards Application Policies](#) in APEC Economies
- [International Standards](#) Concepts and Application in Energy Audit and Energy Management System
- [Case Studies](#) of Energy Audit and Energy Management System Policies in four Economies:





# Possible agenda

## Morning session(Part 1) Energy Audit, Standards and Policy Application

Time	Content
09:30~0935	Opening remarks
09:35~09:40	Introduction to the agenda of part 1
09:40~11:00	<b>1.1</b> Energy efficiency policy on energy audit in APEC region
	<b>1.2</b> International standards on energy audit: concepts and application
	<b>1.3</b> Mandatory policy on energy audit
	<b>1.4</b> Voluntary policy on energy audit
11:00~11:55	Discussion & Q&A
11:55~12:00	Summary by Moderator

## Afternoon session(Part 2) Energy Management, Standards, and Policy Application

Time	Content
14:00~14:05	Introduction to the agenda of Part 2
14:05~15:25	<b>2.1</b> Energy efficiency policy on energy management system in APEC region
	<b>2.2</b> International standards on energy management: concepts and application
	<b>2.3</b> Mandatory policy on energy management system (EnMS)
	<b>2.4</b> Voluntary policy on energy management system (EnMS)
15:25~16:20	Discussion & Q&A
16:20~16:25	Summary by Moderator
16:25~16:30	Closing Remark

# Your participation is important !

- The **8<sup>th</sup> EEP workshop** will be held in conjunction with the **EGEEC 63 meeting**.
- **Attend as a speaker** to present your economy's practices on energy efficiency in the workshop
  - Policy practices on EA and EnMS
  - International standard application in your economy
  - Challenges and room for further improvement on the policies and programs.
- **Attend as a participant** to share the current situation and engage in the discussion
  - **Before the workshop:** collect the information from your economy on EA and EnMS.
  - **In the workshop:** share the policy practices from your economy on EA and EnMS.
    - ▶ What's the current energy audit policy in your economy?
    - ▶ Is energy audit compulsory in your economy?
    - ▶ Is there any financial support for the EnMS in your economy ?

**Thank you.**

**<https://aperc.or.jp>**



# Appendix: Energy audit and energy management system

- **Energy audit (EA):** means a systematic procedure with the purpose of obtaining adequate knowledge of the energy consumption profile of a building or group of buildings, an industrial or commercial operation or installation or a private or public service, identifying and quantifying opportunities for cost-effective energy savings, identifying the potential for cost-effective use or production of renewable energy and reporting the findings
- **Energy management System (EnMS):** means a set of interrelated or interacting elements of a strategy which sets an energy efficiency objective and a plan to achieve that objective, including the monitoring of actual energy consumption, actions taken to increase energy efficiency and the measurement of progress;

Source: EU (2023) Recast Energy Efficiency Directive 2023

# Appendix: the Historical EEP Workshops Summary

	Date	Place	Theme	Conjunction with	No of Participants	No. of Economies
<b>Trial</b>	2015.03.23	Singapore	Fundamentals of energy efficiency policy	EGEEC 45	40	12
<b>1st</b>	2016.04.12	Taichung, Chinese Taipei	Policy and Program Evaluation	EGEEC 47	30	11
<b>2nd</b>	2017.03.27	Jeju Island, Korea	Policy and Program Evaluation II	EGEEC 49	32	15
<b>3rd</b>	2018.04.10	Washington DC, USA	Conformity Assessment Approaches	EGEEC 51	29	11
<b>4th</b>	2019.03.18	Hong Kong, China	Developing Fuel Economy Regulation	EGEEC 53	41	19
<b>5th</b>	2020.11.18	Hong Kong, China (Online)	Economic Recovery through Energy Efficiency	EGEEC 55	86	13
<b>6th</b>	2022.03.29	China (Online)	Energy Efficiency Project Financing	EGEEC 58	47	13
<b>7th</b>	2023.10.16	Makati, Metro Manila, the Philippines	Electrification and Energy Efficiency	EGEEC 61	28	11



## Appendix: PREE (Peer Review on Energy Efficiency) Host Economies

PREE			Follow-up PREE		
1	Chile	2009	1	Viet Nam	2012
2	New Zealand	2009	2	The Philippines	2014
3	Viet Nam	2009	3	Thailand	2015
4	Thailand	2009	4	Malaysia	2018
5	Chinese Taipei	2010	5	Peru	2020
6	Peru	2010	6	Indonesia	2022
7	Malaysia	2010	<b>7</b>	<b>Chile (Implementing)</b>	<b>2024</b>
8	Indonesia	2011			
9	The Philippines	2012			
10	Brunei Darussalam	2013			
11	Mexico	2017			