

## One-week training course on energy statistics

Virtual Training

November 29 to December 3, 2021

3 hours per day (10:00-13:00, Tokyo time)

### Instructors

**Edito Barcelona** – Senior Research Fellow, Head of Energy Statistics and Training Centre, Asia Pacific Energy Research Centre

**Elvira Torres Gelindon** – Research Fellow, Energy Statistics and Training Centre, Asia Pacific Energy Research Centre

**Nobuhiro Sawamura** – Senior Researcher, Energy Statistics and Training Centre, Asia Pacific Energy Research Centre

**Fifi Indarwati** – Senior Researcher, Energy Statistics and Training Centre, Asia Pacific Energy Research Centre

### Trainees

Staff working on energy statistics from non-OECD member economies

### Agenda

**Objectives:** The training aims to provide staff who work on energy statistics with an initial complete understanding of the aspects of good energy statistics. It will cover: introduction to energy statistics and uses, energy products and flows, calorific values and units conversion and preparation of energy balance tables. It will work through a mixture of presentations and exercises to help to bring all staff up to an initial level of understanding to make them more effective in their work.

Day 1, 29 November		
<b>Introduction to energy statistics</b>		
10:00 – 10:05	Opening remarks by the EGEDA Chair Glen Sweetnam	
10:05 – 10:30	Why member economies and international organisations need energy data <ul style="list-style-type: none"><li>• Energy indicators and energy efficiency analysis</li><li>• Energy modeling and forecasting</li><li>• GHG emissions analysis</li></ul>	E Barcelona
<b>Energy Products</b>		
10:30 – 11:00	Coal and coal products	F Indarwati
11:00 – 11:30	Oil and oil products	N Sawamura
11:30 – 12:00	Natural gas, electricity, district energy and hydrogen	E Barcelona
12:00 – 12:30	New and renewable energy	E Gelindon
12:30 – 12:35	Group photo	
12:35 – 13:00	Free discussion	

Day 2, 30 November		
<b>Energy Flows</b>		
10:00 - 10:30	Supply	E Barcelona
10:30 – 11:00	Transformation	E Barcelona
11:00 – 11:30	Final consumption	N Sawamura

<b>Sources of data (workshop)</b>		
11:30 - 12:15	Supply	E Barcelona/All
12:15 – 13:00	Consumption	E Gelindon/All

<b>Day 3, 1 December</b>		
<b>Calorific values and units conversion</b>		
10:00 – 10:30	Calorific values	E Barcelona
10:30 – 11:00	Hands-on Exercises on unit conversion	F Indarwati
<b>Introduction to energy balances</b>		
11:00 – 12:00	Presentation on the energy balance table	F Indarwati
12:00 – 13:00	Preparation of energy balance table	E Barcelona

<b>Day 4, 2 December</b>		
<b>Energy efficiency indicators</b>		
10:00 – 10:30	Presentation on energy efficiency indicators	E Gelindon
10:30 – 11:30	Hands-on exercise on calculating energy efficiency indicators	E Gelindon / All
<b>Calculating GHG emissions</b>		
11:30 – 12:00	Calculating GHG emissions	E Barcelona
12:00 – 13:00	Hands-on exercise on calculating GHG emissions from energy combustion	E Barcelona

<b>Day 5, 3 December</b>		
<b>Developing energy statistics (workshop)</b>		
<i>Identification of possible sources of data and laws/government regulations that empowers your agency to collect information</i>		
10:00 – 10:50	Coal, oil and natural gas supply, transformation and final consumption	E Barcelona / All
11:50 – 12:40	Electricity, district heating and district cooling supply, transformation and final consumption	E Barcelona / All
12:40 – 12:30	Renewable energy supply, transformation and final consumption	E Gelindon / All
12:30 – 12:55	Open discussion	
12:55 - 13:00	Closing remarks	E Barcelona

**Time in selected APEC capital cities:**

<b>Capital city</b>	<b>GMT time</b>	<b>Local time</b>
Port Moresby	GMT+10	11:00 AM – 2:00 PM
Tokyo	GMT+9	10:00 AM – 1:00 PM
Bandar Seri Begawan, Beijing, Hong Kong, Kuala Lumpur, Manila, Singapore, Taipei	GMT+8	9:00 AM – 12:00 PM
Jakarta, Bangkok, Ha Noi	GMT+7	8:00 AM – 11:00 AM
Moscow	GMT+3	4:00 AM – 7:00 AM
Lima	GMT-5	8:00 PM – 11:00 PM