

**EGEDA Energy Statistics Training Program**  
**Short-Term Course, 10 - 21 February 2025**  
**Draft Training Agenda**

Date/Time	Contents	Speaker
9 Feb, Sun	<b>Arrival in Tokyo</b>	
10 Feb, Mon		
9:15-9:30	<b>Registration and distribution of allowances for APERC-funded participants</b>	
9:30-10:30	<b>Opening ceremonies</b> <ul style="list-style-type: none"> <li>• Welcoming remarks</li> <li>• Group photo</li> <li>• Safety guidelines and other important information</li> <li>• Self-introduction by trainees and trainers</li> <li>• Introduction of EGEDA, data collection and the training course</li> </ul>	Dr. Irie All Mr Sawamura All Mr Barcelona
10:30-11:00	<b>1.1 The importance of energy statistics and the APEC Energy Database</b>	Ms Gelindon
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>1.2 IRES recommendations on energy statistics and energy balances including revision of SIEC</b>	Mr Sawamura
12:30-13:30	<i>Lunch break</i>	
13:30-15:30	<b>1.3 Introduction to the energy balance table</b>	Mr Barcelona
15:30-15:45	<i>Afternoon break</i>	
15:45-17:05	<b>Trainees' presentations (4 economies, 20 mins each)</b> Current energy situation and energy data collection in trainees' economies <ol style="list-style-type: none"> <li>1. Indonesia</li> <li>2. Malaysia</li> <li>3. Papua New Guinea</li> <li>4. Philippines</li> </ol>	Trainees
17:05-17:30	<b>Q&amp;A</b>	All
18:00-20:00	<b>Networking Dinner @APERC Large Meeting Room</b>	
11 Feb, Tue		
9:30-11:00	<b>2.1 Energy data collection in Japan</b> <ul style="list-style-type: none"> <li>• Supply (coal, oil, gas, electricity &amp; heat, NRE)</li> </ul>	Mr Sawamura
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>2.2 Energy data collection in Japan</b> <ul style="list-style-type: none"> <li>• Consumption (industry, transportation, commercial, residential, non-energy)</li> </ul>	Mr Sawamura
12:30-13:30	<i>Lunch break</i>	
13:30-15:30	<b>2.3 Energy unit conversion with practical exercises</b>	Mr Nabih
15:30-15:45	<i>Afternoon break</i>	
15:45-17:05	<b>Trainees' presentations (4 economies, 20 mins each)</b> Current energy situation and energy data collection in trainees' economies <ol style="list-style-type: none"> <li>1. Singapore</li> <li>2. Chinese Taipei</li> <li>3. Thailand</li> <li>4. Viet Nam</li> </ol>	Trainees
17:05-17:30	<b>Q&amp;A</b>	All

<b>12 Feb, Wed</b>		
9:30-11:00	<b>3.1 The annual coal questionnaire</b> <ul style="list-style-type: none"> <li>• Definition of products</li> <li>• Definition of supply, transformation and consumption flows</li> </ul>	Mr Barcelona
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>Exercise:</b> filling-out the coal questionnaire	Trainees
12:30-13:30	<i>Lunch break</i>	
13:00-14:00	<b>3.2 The oil questionnaire</b> <ul style="list-style-type: none"> <li>• Oil principles</li> <li>• Definition of products and supply flows</li> </ul>	Ms Gelindon
14:00-15:00	• Exercise: filling-out the oil questionnaire	Trainees
15:00-15:15	<i>Afternoon break</i>	
15:15-17:30	<b>3.3 Explanation of the gas questionnaire</b> <ul style="list-style-type: none"> <li>• Natural gas products and flows</li> </ul> <b>Exercise:</b> filling-out the gas questionnaire	Mr Sawamura
<b>13 Feb, Thu</b>		
9:30-11:00	<b>4.1 Explanation of the electricity &amp; heat questionnaire</b> <ul style="list-style-type: none"> <li>• Electricity &amp; heat/cooling producers</li> <li>• Electricity &amp; heat/cooling sources</li> </ul>	Mr Nabih
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>Exercise:</b> filling-out the electricity & heat questionnaire	Mr Nabih
12:30-13:30	<i>Lunch break</i>	
13:00-14:00	<b>4.2 Explanation of NRE questionnaire</b> <ul style="list-style-type: none"> <li>• Importance of NRE data</li> <li>• NRE products</li> <li>• What are counted and not counted</li> </ul>	Mr Barcelona
14:00-14:30	<b>Methodologies in calculating NRE production and consumption</b> <ul style="list-style-type: none"> <li>• <b>4.3 Fuel wood and charcoal</b></li> </ul>	Mr Sawamura
14:30-15:00	• <b>4.4 Bagasse</b>	Mr Barcelona
15:00-15:15	<i>Afternoon break</i>	
15:15-15:45	<b>Methodologies in calculating NRE production and consumption</b> <ul style="list-style-type: none"> <li>• <b>4.5 Biogas</b></li> </ul>	Mr Barcelona
15:45-16:15	• <b>4.6 Biomass consumption in palm oil and paper production</b>	Ms Gelindon
16:15-16:45	• <b>4.7 Solar water heaters</b>	Mr Nabih
16:45-17:30	<b>NRE questionnaire</b> <b>Exercise:</b> filling-out the NRE questionnaire	Mr./Ms. Trainees
<b>14 Feb, Fri</b>		
9:30-11:00	<b>Seatwork:</b> Preparation and validation of the energy balance tables	Trainees
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>Seatwork:</b> Preparation and validation of the energy balance tables	Trainees
12:30-13:30	<i>Lunch break</i>	
13:30-14:00	<b>Checking of the seatwork:</b> Preparation and validation of the energy balance tables	Mr Barcelona
14:00-15:00	<b>5.1 Calculating GHG emissions using the energy balance table</b> <b>Exercise:</b> Calculating GHG emissions from energy combustion	Mr Nabih
15:00-15:15	<i>Afternoon break</i>	
15:15-16:30	<b>5.2 Calculating Fugitive GHG emissions using the energy balance table</b> <b>Exercise:</b> Calculating fugitive GHG emissions	Mr Nabih

16:30-17:30	<b>5.2 Energy indicators</b> <ul style="list-style-type: none"> <li>• Activity indicators</li> <li>• Macroeconomic data</li> <li>• Other activity data</li> <li>• Energy intensities and other energy indicators</li> </ul> <b>Exercise:</b> Calculating energy indicators (by economy)	Ms Gelindon
<b>15 –16 Feb, Sat – Sun, Free Time</b>		
<b>17 Feb, Mon</b>		
9:30-11:00	<b>6.1 Energy efficiency indicators (EEI)</b> <ul style="list-style-type: none"> <li>• Importance of energy efficiency indicators</li> <li>• Filling-out the EEI template</li> </ul>	Ms Gelindon
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>6.2 EEI data gap assessment</b>	Ms Gelindon
12:30-13:30	<i>Lunch break</i>	
14:00-15:00	<b>6.3 Tracking energy efficiency in household sector</b>	Ms Gelindon
15:00-15:15	<i>Afternoon break</i>	
15:15-17:30	<b>6.4 Modeling household end-use energy consumption</b>	Ms Gelindon
<b>18 Feb, Tue</b>		
9:30-12:00	<b>7.1 Tracking energy efficiency in services sector</b>	Mr Sawamura
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>Exercise:</b> Services end-use energy consumption estimation	Mr Sawamura
12:30-13:30	<i>Lunch break</i>	
13:30-14:30	<b>7.2 Tracking energy efficiency in transport sector</b>	Mr Nabih
15:00-15:15	<i>Afternoon break</i>	
15:15-16:30	<b>7.3 Modeling transport energy consumption</b>	Mr Nabih
16:30-17:30	<b>Exercise:</b> Transport end-use energy consumption estimation	Mr Nabih
<b>19 Feb, Wed</b>		
9:30-11:00	<b>8.1 Tracking energy efficiency in industry sector</b>	Mr Barcelona
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>8.2 Modeling industry energy consumption</b>	Mr Barcelona
12:30-13:30	<i>Lunch break</i>	
13:30-15:00	<b>8.3 Hydrogen production and consumption</b>	Mr Sawamura
15:00-15:15	<i>Afternoon break</i>	
15:15-16:00	<b>Exercise:</b> Filling out the hydrogen data reporting template	Mr Sawamura
<b>20 Feb, Thu</b>		
9:30-11:00	<b>9.1 District cooling and reporting district cooling data</b>	Ms Gelindon
11:00-11:15	<i>Morning break</i>	
11:15-12:30	<b>9.2 Estimating and reporting electricity consumption of EVs</b>	Mr Barcelona
12:30-13:30	<i>Lunch break</i>	
13:30-15:00	<b>9.3 Electricity storage and reporting electricity storage data</b>	Mr Nabih
15:00-15:15	<i>Afternoon break</i>	
15:15-17:30	<b>9.4 Introduction to decomposition analysis</b>	Ms Gelindon
<b>21 Feb, Fri</b>		
9:30-11:00	<b>Exercise:</b> Hands-on exercises on decomposition analysis	Ms Gelindon
11:00-11:15	<i>Morning break</i>	
11:00-12:30	<b>10.1 Introduction to Joint Organisations Data Initiative (JODI)</b>	Mr Sawamura
12:30-13:30	<i>Lunch break</i>	

14:00-15:00	<b>Exercise:</b> Filling out the JODI Oil and JODI Gas questionnaires with December 2024 and January 2025 data	Mr Sawamura Trainees
15:00-15:15	<i>Afternoon break</i>	
15:15-16:00	<b>Review of JODI exercises</b>	Trainees
16:00-16:30	<b>Review of the training course</b>	All
16:30-17:00	<b>Awarding of certificates of the short-term training course</b>	Dr. Irie or Mr Sweetnam
17:00	<b>Group photo</b>	All
<b>22 Feb, Sat</b>	<b>Departure from Tokyo</b>	

### Speakers:

1. Dr. Kazutomo IRIE – President, APERC
2. Mr. Glen SWEETNAM – Senior Vice President, APERC and Chair, EGEDA
3. Mr. Edito BARCELONA – Senior Research Fellow, ESTO/APERC
4. Ms. Elvira GELINDON – Research Fellow, ESTO/APERC
5. Mr. Nobuhiro SAWAMURA – Senior Researcher, ESTO/APERC
6. Mr. Nabih MATUSSIN – Senior Researcher, APERC