

**EGEDA Energy Statistics Training Program**  
**Mid-Term Course, 20 August – 12 October 2018 (8 weeks)**  
**Training Agenda**  
**(Draft as of 17 August 2018)**

Date/Time	Contents	Speaker
Sun. 19 August	Arrival in Tokyo	
<b>Mon. 20 August</b>		
10:00-10:30	<b>Opening ceremonies</b> <ul style="list-style-type: none"> <li>• Welcoming remarks</li> <li>• Self-introduction by trainees and trainers</li> <li>• Introduction of EGEDA</li> <li>• Introduction to the training course</li> <li>• Admin matters and Logistics</li> </ul>	Dr. Irie  Mr. Kendell Mr. Barcelona Mr. Komori
10:30-12:00	<b>The importance of energy statistics</b> <b>History of APEC energy statistics and how to use the APEC Energy Database</b>	Ms. Gelindon Mr. Barcelona
12:00-13:00	<b>Lunch break</b>	
13:00-15:00	<b>IRES recommendations on energy statistics and energy balances</b>	Mr. Komori
15:30-17:30	<b>Trainees' presentations (20 mins each)</b> <ul style="list-style-type: none"> <li>• Current energy situation and energy data collection in trainees' economies</li> </ul>	Trainees
18:00-20:00	<b>Networking Dinner @Restaurant near the hotel</b>	
<b>Tues. 21 August</b>		
10:00-12:00	<b>Energy data collection in Japan</b> <ul style="list-style-type: none"> <li>• Supply (coal, oil, gas, electricity &amp; heat, NRE)</li> <li>• Consumption (industry, transportation, commercial, residential, non-energy)</li> </ul>	Mr. Komori
12:00-13:00	<b>Lunch break</b>	
13:00-15:30	<b>Trainees' presentations (20 mins each)</b> <ul style="list-style-type: none"> <li>• Current energy situation and energy data collection in trainees' economies</li> </ul>	Trainees
15:30-17:30	<b>Practical exercises: units and units conversion</b>	Dr. Kimura
<b>Wed. 22 August</b>		
10:00-12:00	<b>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. Komori
12:00-13:00	<b>Lunch break</b>	
13:00-14:00	<ul style="list-style-type: none"> <li>• Exercise: filling-out the coal questionnaire</li> </ul>	Trainees
14:00-15:00	<b>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
15:30-17:30	<ul style="list-style-type: none"> <li>• Exercise: filling-out the oil questionnaire</li> </ul>	Trainees

<b>Thur. 23 August</b>		
10:00-12:00	<b>Explanation of the gas questionnaire</b> <ul style="list-style-type: none"> <li>Natural gas products and flows</li> <li>Exercise: filling-out the gas questionnaire</li> </ul>	Ms. Atikah Trainees
12:00-13:00	<b>Lunch break</b>	
13:00-15:00	<b>Explanation of the electricity &amp; heat questionnaire</b> <ul style="list-style-type: none"> <li>Electricity &amp; heat producers</li> <li>Electricity &amp; heat sources</li> <li>Exercise: filling-out the electricity &amp; heat questionnaire</li> </ul>	Dr. Kimura Trainees
15:30-17:30	<b>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> <li>Methods in calculating NRE production and consumption</li> </ul>	Mr. Barcelona
<b>Fri. 24 August</b>		
10:00-12:00	<b>Introduction to energy demand forecasting and SimpleE</b>	Dr Yamaguchi
12:00-13:00	<b>Lunch break</b>	
13:00-14:00	<b>Optimization analysis using linear programming</b>	Dr. Yamaguchi
14:30-17:30	<b>Introduction to power supply investment planning</b>	Dr. Yamaguchi
<b>Sat. 25- Sun. 26 August</b>		
<b>Saturday &amp; Sunday, Free Time</b>		
<b>Mon. 27 August</b>		
10:00-12:00	<ul style="list-style-type: none"> <li>Hands-on Exercise on SimpleE</li> </ul>	Trainees
12:00-13:00	<b>Lunch break</b>	
13:00-14:00	Exercise: filling-out the NRE questionnaire	Mr. Barcelona
14:30-17:30	<b>Review of filled-out annual energy questionnaires Data Estimation and Validation</b>	Mr. Barcelona
14:30-17:30	<b>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>	Ms. Gelindon
<b>Tue. 28 August</b>		
13:00-15:00	<b>Introduction to energy balance tables</b>	Mr. Barcelona
15:30-17:30	<b>Preparation and validation of the energy balance tables</b>	Ms. Atikah
10:00-12:00	<b>Review of filled-out annual energy questionnaires</b>	Mr. Barcelona
12:00-13:00	<b>Lunch break</b>	
13:00-15:00	<b>Introduction to energy balance tables</b>	Mr. Barcelona
15:30-17:30	<b>Preparation and validation of the energy balance tables</b>	Ms. Atikah
<b>Wed. 29 August</b>		
10:00-12:00	<b>Calculating CO2 emissions using the energy balance table</b>	Mr. Barcelona
12:00-13:00	<b>Lunch break</b>	
13:00-15:00	<b>Introduction to JODI</b> <ul style="list-style-type: none"> <li>History and mechanism</li> </ul>	Mr. Komori

	<ul style="list-style-type: none"> <li>Evaluation of data accuracy</li> </ul>	Ms. Atikah/ Mr. Komori
15:30-17:30	<b>Exercise:</b> Filling out the JODI Oil and JODI Gas questionnaires with May and June 2018 data	Ms. Atikah Mr. Komori
<b>Thu. 30 August</b>		
10:00-12:00	<b>End-use energy consumption data</b> <ul style="list-style-type: none"> <li>End-use energy consumption data and importance in energy policy analysis and demand forecasting</li> </ul>	Mr. Ip
12:00-13:00	<b>Lunch break</b>	
13:00-15:00	<b>End-use energy consumption survey in Hong Kong, China</b>	Mr. Ip
15:30-17:30	<b>Hands-on exercise on econometrics using SimpleE</b>	Ms. Gelindon
<b>Fri. 31 August</b>		
10:00-11:00	<b>Introduction to decomposition analysis</b>	Mr. Barcelona
11:00-12:00	<b>Hands-on exercises on decomposition analysis</b>	Ms. Gelindon
12:00-13:00	<b>Lunch break</b>	
13:00-14:00	<b>Hands-on exercises on decomposition analysis</b>	Mr. Barcelona
14:30-15:00	<b>Evaluation of the short-term training course</b>	Trainees
15:00-15:30	<b>Discussion</b>	
15:30-16:00	<b>Awarding of certificates of the short-term training course</b>	Dr. Irie
<b>Sat. 1 September</b>	<b>Departure from Tokyo</b>	

The Mid-Term Training Course continues.

Date/Time	Contents (Mid-Term Course)	Speaker
Sat. 1- Sun. 2 September	Saturday & Sunday, Free Time	
Mon. 3 – Fri. 7 September (9:30-17:30)	Hands-on Exercises on energy modeling <ul style="list-style-type: none"> <li>• Energy demand forecasting and</li> <li>• Electricity supply investment planning</li> </ul>	ESTO Staff
Sat. 8 - Sun. 9 September	Saturday & Sunday, Free Time	
Mon, 10 – Fri. 14 September (9:30-17:30)	Desk work: <ul style="list-style-type: none"> <li>• Review of 2016 APEC energy statistics</li> <li>• Review (and revision if needed) of trainee’s economy’s data in the APEC energy database</li> </ul>	
Sat. 15 - Mon. 17 September	Saturday & Sunday, Holiday, Free Time	
Tue. 18 – Fri. 21 September (9:30-17:30)	Desk work: <ul style="list-style-type: none"> <li>• Review of 2016 APEC energy statistics publication</li> </ul>	
Sat. 22 - Mon. 24 September	Saturday & Sunday, Holiday, Free Time	
Tue. 25 – Fri. 28 September (9:30-17:30)	Desk work: <ul style="list-style-type: none"> <li>• Review of 2016 APEC energy statistics publication</li> </ul>	
Sat. 29 - Sun. 30 September	Saturday & Sunday, Free Time	
Mon. 1 – Fri. 5 October (9:30-17:30)	Desk work: <ul style="list-style-type: none"> <li>• Review of 2016 APEC energy statistics publication</li> </ul>	
Sat. 6 – Sun .8 October	Saturday & Sunday, Holiday, Free Time	
Tue. 9 – Thu. 11 October (9:30-17:30)	Desk work: <ul style="list-style-type: none"> <li>• Preparation of trainees’ final reports</li> </ul>	
Fri. 12 October		
10:00-11:00	Presentation of Trainees’ Final Report	Trainees
11:00-11:30	Awarding of certificates and closing ceremony of Mid-term Course	Dr. Irie
Sat. 13 October	Departure from Tokyo	

Notes:

1. On the first week after the short-term course, the mid-term trainees will undergo more intensive training on energy modelling
2. During desk works, trainees can continue to consult ESTO staff regarding energy statistics matters.
3. Trainees are expected to check their economies’ data in the APEC energy database and make sure that the data are consistent with those of their economies’ databases.
4. If time permits, trainees will also be requested to check other economies data.