EGEDA Energy Statistics Training Program
Short-Term Course, 19-30 August 2019
Training Agenda

Date/Time	Contents	Speaker
18 Aug, Sun	**Arrival in Tokyo**	
19 Aug, Mon		
10:00-11:00	**Opening ceremonies** • Welcoming remarks • Self-introduction by trainees and trainers • Introduction of EGEDA • Introduction to the training course • Admin matters and Logistics	Dr. Irie Mr. Barcelona Mr. Barcelona Mr. Sawamura
11:00-12:00	**1.1 The importance of energy statistics and the APEC Energy Database**	Ms. Gelindon
12:00-13:00	*Lunch break*	
13:00-15:00	**1.2 IRES recommendations on energy statistics and energy balances**	Ms. Fifi
	Trainees' presentations (20 mins each) • Current energy situation and energy data collection in trainees' economies	Trainees
15:30-15:50	• Brunei Darussalam	
15:50-16:10	• Chile	
16:10-16:30	• China	
16:30-16:50	• Indonesia	
16:50-16:10	• Malaysia	
16:10-17:30	• Papua New Guinea	
18:00-20:00	**Networking Dinner @Restaurant near the hotel**	
20 Aug, Tue		
10:00-12:00	**2.1 Energy data collection in Japan** • Supply (coal, oil, gas, electricity & heat, NRE) • Consumption (industry, transportation, commercial, residential, non-energy)	Mr. Barcelona/ Mr. Sawamura
12:00-13:00	*Lunch break*	
	Trainees' presentations (20 mins each) • Current energy situation and energy data collection in trainees' economies	Trainees
13:00-13:20	• Philippines (EPPB)	
13:20-13:40	• Philippines (EPIMB)	
13:40-14:00	• Viet Nam	
14:00-14:30	• Discussion on improving data collection, processing, storage and dissemination in trainees economies	
14:30-17:30	**Practical exercises: units and units conversion**	Ms. Fifi

21 Aug, Wed		
10:00-12:00	**3.1 The annual coal questionnaire** • Definition of products • Definition of supply, transformation and consumption flows	Mr. Barcelona
12:00-13:00	***Lunch break***	
13:00-14:00	• Exercise: filling-out the coal questionnaire	Trainees
14:00-15:00	**3.2 The oil questionnaire** • Oil principles • Definition of products and supply flows	Ms. Gelindon
15:30-17:30	• Exercise: filling-out the oil questionnaire	Trainees
22 Aug, Thu		
10:00-12:00	**3.3 Explanation of the gas questionnaire** • Natural gas products and flows • Exercise: filling-out the gas questionnaire	Ms. Fifi Trainees
12:00-13:00	***Lunch break***	
13:00-15:00	**3.4 Explanation of the electricity & heat questionnaire** • Electricity & heat producers • Electricity & heat sources • Exercise: filling-out the electricity & heat questionnaire	Mr. Barcelona Trainees
15:30-16:30	**3.5 Explanation of NRE questionnaire** • Importance of NRE data • NRE products • What are counted and not counted	Ms. Gelindon
16:30-17:30	**3.6 Methodologies in calculating NRE production and consumption**	Mr. Barcelona
23 Aug, Fri		
10:00-11:00	**3.6 Methodologies in calculating NRE production and consumption**	Mr. Barcelona
11:00-12:00	**NRE questionnaire** Exercise: filling-out the NRE questionnaire	Mr. Barcelona
12:00-13:00	***Lunch break***	
13:00-14:00	**Review of filled-out questionnaires**	Mr. Barcelona
14:00-15:00	**4.1 Introduction to energy balance tables**	Mr. Barcelona
15:30-17:30	**Exercise: Preparation and validation of the energy balance tables**	Ms. Fifi
24 – 25 Aug, Sat - Sun	**Free Time**	
26 Aug, Mon		
10:00-12:00	**5.1 Calculating CO$_2$ emissions using the energy balance table** Exercise: Calculating CO2 emissions	Mr. Barcelona
12:00-13:00	***Lunch break***	

Time	Topic	Presenter
13:00-15:00	**5.2 Energy indicators** • Activity indicators • Macroeconomic data • Other activity data • Energy intensities and other energy indicators	Ms. Gelindon
15:30-16:30	**Exercise: Calculating energy indicators**	Ms. Gelindon
15:30-17:30	**Energy efficiency indicators template**	Ms. Gelindon
27 Aug, Tue		
10:00-12:00	**6.1 The use of surveys to collect data** • Review of basic statistics • Sampling and sampling techniques	Ms. Gelindon
12:00-13:00	*Lunch break*	
13:00-14:00	**6.2 End-use energy consumption survey (an example)** • Objective of the survey • Determination of sample size, stratification, representation of the entire population	Mr. Barcelona
14:30-17:30	**Preparing an end-use energy consumption survey questionnaire (mini-workshop)**	Ms. Gelindon
28 Aug, Wed		
10:00-12:00	**6.3 Statistical analysis and data analysis** • Sampling error • Relative frequency statistics	Ms Gelindon
12:00-13:00	*Lunch break*	
13:00-17:30	**6.4 End-use energy consumption data analysis**	
29 Aug, Thu		
10:00-12:00	**7.1 Introduction to JODI** • History and mechanism • Evaluation of data accuracy	Mr. Barcelona
12:00-13:00	*Lunch break*	
13:00-17:30	**Exercise:** Filling out the JODI Oil and JODI Gas questionnaires with May and June 2019 data	Mr. Barcelona Ms. Gelindon
30 Aug, Fri		
10:00-11:00	**8.1 Introduction to decomposition analysis**	Mr. Barcelona
11:00-12:00	**Hands-on exercises on decomposition analysis**	Ms. Gelindon
12:00-13:00	*Lunch break*	
13:00-14:00	**Hands-on exercises on decomposition analysis**	Mr. Barcelona
14:30-15:00	**Evaluation of the short-term training course**	Trainees
15:00-15:30	**Discussion**	
15:30-16:00	**Awarding of certificates of the short-term training course**	Dr. Irie
31 Aug, Sat	**Departure from Tokyo**	