

# Agenda

## Workshop on Energy Statistics for ASEAN Countries

### 21-23 November 2017

### Kuala Lumpur, Malaysia

#### Tuesday 21 November

9:00 am to 9:30 am	<b>Registration</b>
9:30 am to 10.30 am	<b>Opening session:</b> <ul style="list-style-type: none"><li>• Welcoming speech by Y. Bhg. Dato Abdul Razak bin Abdul Majid, Chairman of Energy Commission of Malaysia</li><li>• Opening Speech by Leonardo Rocha Souza, Industrial and Energy Statistics Section, United Nations Statistics Division (UNSD)</li><li>• Launching of Malaysia Energy Statistics Mobile Application</li><li>• Group Photo</li></ul>
10.30 am to 11.00 am	Coffee Break
11.00 am to 12.30 pm	<b>Introduction to Energy Statistics:</b> <ul style="list-style-type: none"><li>• UNSD's work on energy statistics</li><li>• APERC's work on energy statistics</li><li>• ASEAN Energy Database System (AEDS)</li><li>• Energy Statistics in Malaysia</li></ul>
12:30 pm to 2:00 pm	Lunch
2:00 pm to 3:00 pm	<b>International Recommendations for Energy Statistics (IRES)</b> <ul style="list-style-type: none"><li>• Scope of energy statistics</li><li>• The concept of production</li><li>• Territorial principle</li><li>• Bunkers</li><li>• Supply, Transformation, own use and final consumption</li><li>• Non-energy and energy use</li><li>• Non-energy use of biomass</li></ul>
3:00 pm to 3:45 pm	<b>International classifications relevant for energy statistics</b> <ul style="list-style-type: none"><li>• SIEC and links to CPC, HS.</li><li>• ISIC and deviations from it in energy statistics</li><li>• Issues with using HS data for energy purposes</li></ul>
3:45 pm to 4:00 pm	Coffee break
4:00 pm to 5:30 pm	<b>Coal, Peat and derived fuels</b> <ul style="list-style-type: none"><li>• Coal, peat and derived fuels: definitions</li></ul>

- Uses and transformation processes (and efficiency ranges)
- Importance of accurate NCVs, for determining process efficiencies, overall energy balances, GHG emissions.
- Data collection and compilation issues
  - Data sources, data items and reporting requirements.
  - Iron and steel industries, transformation and derived products/by-products that are often overlooked
- Country practices:
  - Philippines Statistics Authority - Developing the energy account for coal
  - Philippines Department of Energy – Energy accounting and statistics in the Philippines

## Wednesday 22 November

9:00 am to 10:45 am

### **Oil and oil products**

- Primary oil: crude (conventional or unconventional), NGLs, other hydrocarbons, additives
- Oil products: transformation processes and efficiency ranges. Special attention on feedstocks and petrochemical backflows.
- Data collection and compilation issues
  - Data sources, data items and reporting requirements.
  - Efficiencies and products/by-products that are often overlooked, such as refinery gas and “non-energy” products
- Country practices:
  - Ministry of Energy and Mines of Lao PDR – National Energy Data and data collection
  - Lao Statistics Bureau – Data collection on energy statistics and using data to establish the supply and use table

10:45 am to 11:00 am

Coffee break

11:00 am to 12:30 pm

### **Natural gas**

- Scope of production and measurement issues; NGLs
- Data collection and compilation issues
  - Data sources, data items and reporting requirements.
  - Attention to conversion factors and measurement conditions
- Country practices:
  - Ministry of Mines and Energy of Cambodia – Cambodian energy statistics (perspective of the Ministry)
  - National Institute of Statistics of Cambodia – Cambodia energy statistics (perspective of the NIS)

12:30 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	<p><b>Electricity and Heat</b></p> <ul style="list-style-type: none"> <li>• Sources, types of plants, own use, losses</li> <li>• Efficiency ranges for combustible fuels</li> <li>• Data collection and compilation issues <ul style="list-style-type: none"> <li>• Data sources, data items and reporting requirements.</li> <li>• Main activity and Autoproducers</li> <li>• Direct use</li> <li>• Primary energy equivalent</li> </ul> </li> <li>• Country practice: <ul style="list-style-type: none"> <li>• General Statistics Office of Viet Nam – The real situation of Vietnam's energy balance statistics</li> <li>• Central Statistical Organization and Ministry of Energy of Myanmar</li> </ul> </li> </ul>
3:30 pm to 3:45 pm	Coffee break
3:45 pm to 5:30 pm	<p><b>Renewables and waste</b></p> <ul style="list-style-type: none"> <li>• Biomass: Scope of production</li> <li>• Electricity and Heat – what is considered renewable?</li> <li>• Data collection and compilation issues <ul style="list-style-type: none"> <li>• Data sources, data items and reporting requirements.</li> <li>• Biomass: Scope of production and measurement issues</li> <li>• By-products often overlooked</li> <li>• Biomass measurement issues</li> <li>• Methods of estimation</li> </ul> </li> <li>• Country practice: <ul style="list-style-type: none"> <li>• National Statistical Office of Thailand – Household expenditure on energy</li> </ul> </li> </ul>

### Thursday 23 November

9:00 am to 9:45 am	<p><b>Commodity balances</b></p> <ul style="list-style-type: none"> <li>• Supply &amp; Demand (transformation, own use, consumption)</li> <li>• Statistical differences</li> <li>• Examples</li> </ul>
9:45 am to 11:00 am	<p><b>Energy balances</b></p> <ul style="list-style-type: none"> <li>• From commodity balances to energy balances: conversion factors and differences in presentation</li> <li>• Balances and their uses, indicators</li> <li>• Country practice:</li> </ul>

	<ul style="list-style-type: none"> <li>• BPS-Statistics Indonesia – Obtaining energy consumption data for the energy balance table in Indonesia</li> </ul>
11:00 am to 11:15 am	Coffee break
11:15 am to 12:30 pm	<b>Energy indicators and greenhouse gas emissions</b> <ul style="list-style-type: none"> <li>• Sustainable Development Goals</li> <li>• Energy indicators including efficiency indicators, CO2 emissions, percentage of renewables, energy intensity, etc.</li> <li>• Energy balances as a tool to derive indicators</li> </ul>
12:30 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	<b>Dissemination and quality issues</b> <ul style="list-style-type: none"> <li>• Dissemination</li> <li>• Data validation</li> <li>• Quality measures and indicators</li> <li>• Metadata on energy statistics</li> <li>• Presentation: UN ESCAP work energy accounts</li> </ul>
3:30 pm to 3:45 pm	Coffee break
3:45 pm to 4:45 pm	<b>Other topics and roundtable discussion</b> <ul style="list-style-type: none"> <li>• Energy balances and Energy accounts (SEEA-Energy)</li> <li>• General discussion on national statistical programmes, national statistics needs and possible changes</li> <li>• Proposals for further capacity development activities and for publications</li> <li>• Any Other Business</li> </ul>
4:45 pm to 5:00 pm	<b>Conclusion of the workshop</b>