



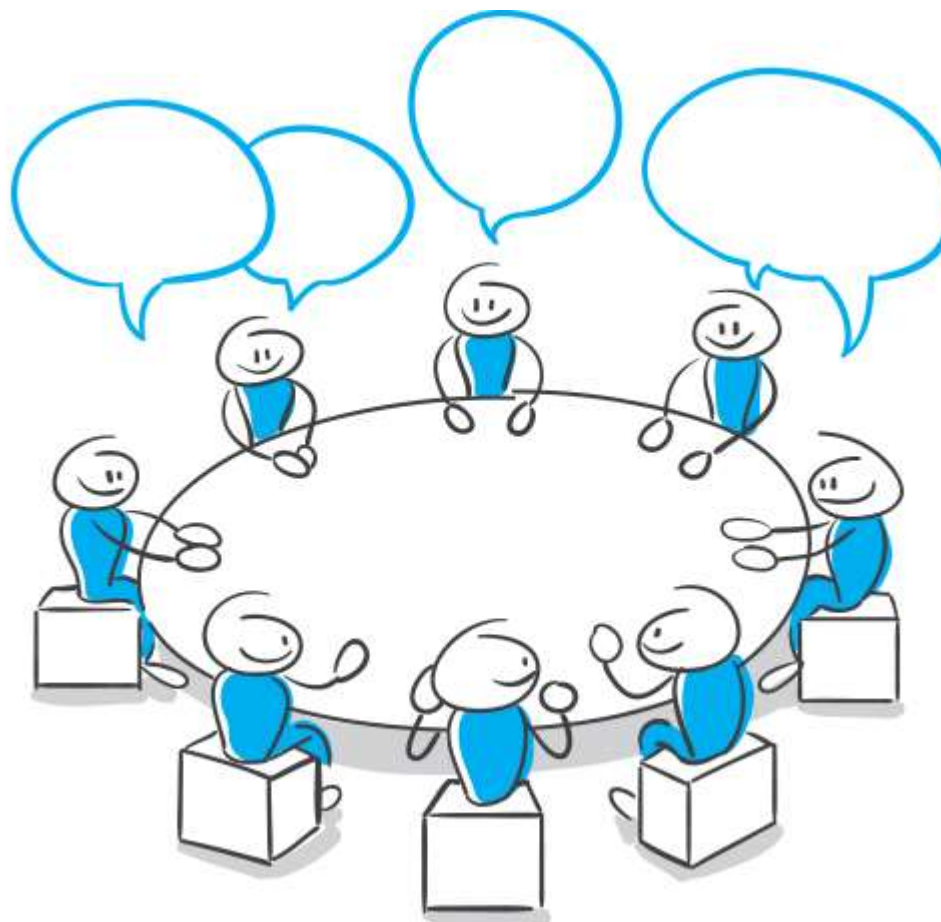
Energy Efficiency Data and Statistics Stream

Leads: Roberta Quadrelli and Mafalda Silva, IEA Energy data Centre

Jakarta, Indonesia | 16-20 July 2018

 #energyefficientworld

Roundtable: knowing each other





Why do we need data and what data do we need?

Energy Efficiency Data and Statistics Stream: Session 1

Roberta Quadrelli and Mafalda Silva

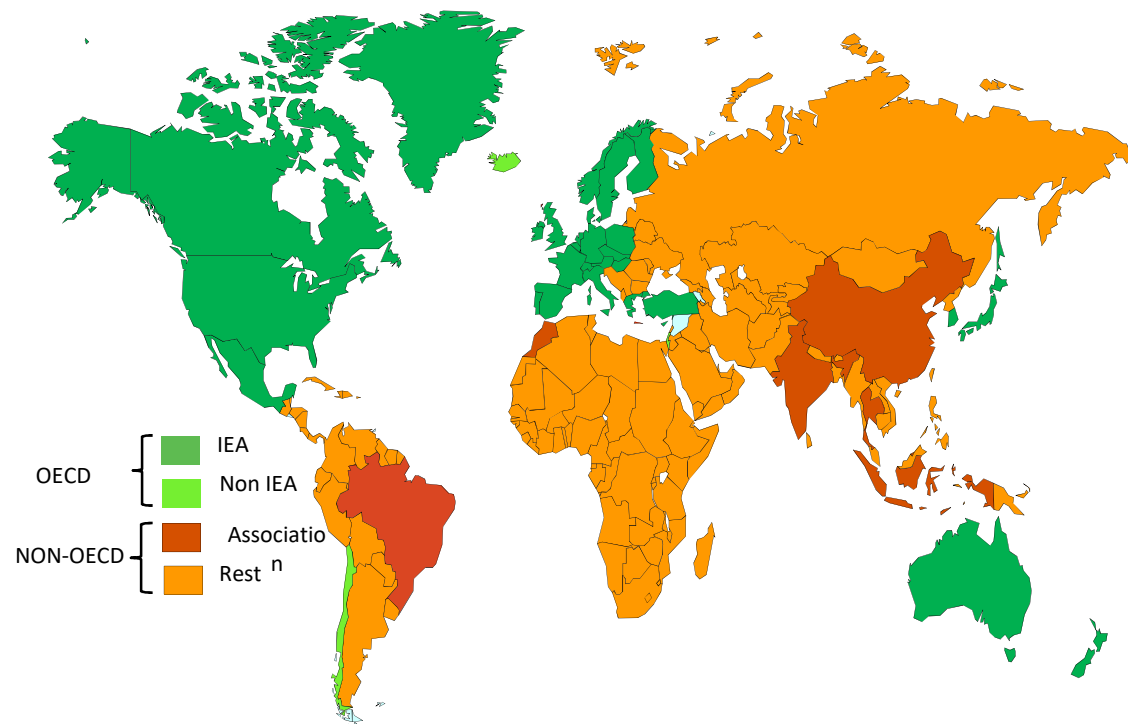
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Data collection at the IEA: the road to global outreach



- IEA collects data from 150 countries, on a voluntary basis for all non-OECD countries



IEA statistics dissemination: visit www.iea.org/statistics

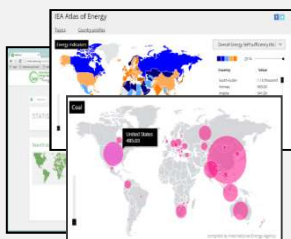


Annual and quarterly Publications
Fuel Information books, World energy statistics & balances, CO₂ emissions...

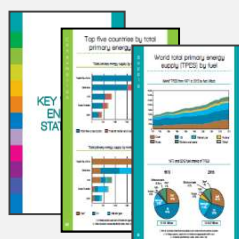


Free
overviews
from books
saw 15,000
downloads
in first 3
weeks

IEA website
Atlas, Sankey flows...



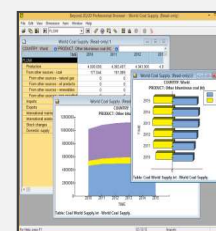
Booklet
Key World Energy Statistics



Mobile App
Android, apple and windows



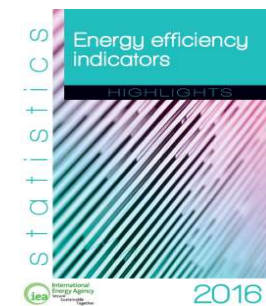
Electronic data files
Data online service



IEA energy efficiency data integrated in Agency priority work



- 2017 IEA Ministerial: “Ministers mandated the Secretariat to continue to strengthen its work on energy efficiency across all sectors globally, in the context of IEA’s global hub role”
- A major programme targeting energy efficiency in emerging economies (E4) – core component of the new IEA Clean Energy Transitions package
- A strong IEA mandate on energy and energy efficiency statistics, over the history of the Agency



Energy efficiency data to support strengthened IEA mandate – international cooperation is key

Training objectives



- To get familiar with the concepts of **end use data** and how to develop **energy efficiency indicators** across consumption sectors
- To share experience on **data collection** methods on **Interactive!!**
- To understand what **key steps** would need to be taken to better **track energy efficiency progress**

Agenda: Day 1 - Tuesday



09:00-09:30	Introductory roundtable <i>Roberta Quadrelli and Mafalda Silva, IEA Energy Data Centre</i>	Knowing each other and discussing expectations
09:30-10:30	1. Where to start: Why do we need data and what data do we need? <u>Short introduction and Group discussion</u> <i>Why do we need data and what data do we need for energy efficiency policy tracking?</i> <i>What are the challenges that you face about energy efficiency data?</i> <i>What is your experience?</i>	
10:30-11:00	Coffee & Tea Break – Makara Foyer	Understanding how to read an energy balance
11:00-12:00	2. Where to start: Introduction to Energy Statistics and Energy Balances <i>What can we learn from a national energy balance?</i> <i>What is relevant for energy efficiency?</i> <u>Country presentation: Indonesian national energy statistical system - TBC</u> <u>IEA Presentation and Practical exercise</u>	
12:00-13:00	Lunch – Makara Foyer	Discussing energy efficiency indicators: the framework
13:00-14:30	3. Where to start: Fundamentals of energy efficiency indicators <i>How can we track energy efficiency progress?</i> <i>What are the international and regional approaches?</i> <u>IEA, APERC presentations</u> <i>The IEA approach to developing efficiency indicators</i> <i>Southeast Asia approaches to developing efficiency indicators: Elvira Gelindon, APERC</i>	
14:30-15:00	Coffee & Tea Break – Makara Foyer	Exchanging experiences on collection of relevant data
15:00-17:00	4. What are the steps?: Data for efficiency indicators <i>How to collect the data needed?</i> <i>Overview of methodologies and the IEA experience</i> <u>Short IEA introduction and country presentations (Thailand, Malaysia)</u> <u>Group discussion</u>	
18:00-19:00	Cultural Activity – Doubletree hotel – poolside	

Agenda: Day 2: Wednesday



09:00-09:30	5. Where to start: Tracking efficiency across sectors <i>What additional insights can we learn from efficiency indicators?</i> <i>What are the priority energy end-uses in your country?</i> <u>Country presentation (Indonesia TBC)</u>	From energy data to efficiency indicators: Focus on buildings sector
09:30-10:30	6. Toolkit: Efficiency indicators in the residential sector <i>How calculate the indicators, check quality and fill gaps?</i> <u>Presentation and practical exercise</u>	
10:30-11:00	Coffee & Tea Break - Makara Foyer	
11:00-12:00	7. Toolkit: Efficiency indicators in the residential sector <u>Country presentation (Philippines)</u> <i>How to use modelling to obtain indicators?</i> <u>IEA presentation</u>	Site visit sectoral training and networking!
12:00-13:00	Lunch – Makara Foyer Departure from the Doubletree – please meet in the lobby	
13:00-17:00	<div>Site Visit</div>	

Agenda: Day 3 - Thursday



09:00-09:30	8. Where to start: Tracking efficiency in the industry sector <i>What additional insights can we learn from efficiency indicators?</i> <i>How to collect the data needed?</i> <u>IEA presentation</u>	From data to efficiency indicators: focus on industry
09:30-10:30	9. Toolkit: Efficiency indicators in the industry sector <u>Country presentation (Cambodia, and other national perspective by Elvira Gelindon, APERC)</u> <u>Practical exercise</u>	
10:30-11:00	Coffee & Tea Break - Makara Foyer	
11:00-12:00	10. Where to start: Tracking efficiency in the transport sector <i>What additional insights can we learn from efficiency indicators?</i> <i>What is the priority energy consumption driver for transport in your country?</i> <u>IEA presentation</u>	From data to efficiency indicators: focus on transport
12:00-13:00	Lunch	
13:00-14:30	13:00 – 13:45 11. What are the steps?: Data for efficiency indicators in the transport sector <i>How to collect the data needed?</i> <u>Presentation by Cecilya Malik, ERIA</u> 13:45 – 14:30 12. Toolkit: Efficiency indicators in the transport sector <u>Practical exercises</u>	
14:30-15:00	Coffee & Tea Break - Makara Foyer	Identifying national data sources and drafting an action plan for energy efficiency data
15:00-15:45	13. What are the steps?: Data for efficiency indicators across sectors <i>How to gather data from different sources and fill data gaps?</i> <u>Group exercise</u>	
15:45-17:00	14. Scenario: <i>The Minister wants to know what have been the impacts of energy efficiency poli</i> <i>How do you go about answering this? Developing an action plan to get the right data.</i> <u>Break-out groups and plenary discussion Led by Roberta Quadrelli, Mafalda Silva and Elvira Gen</u>	

Icebreaker and brainstorming



- **Why** do we need data for energy efficiency policy tracking?
- **What data** do we need across energy demand sectors ?

Cross-sectoral	Residential	Services	Industry	Transport

- What is **your experience** (including challenges)?

For what sector would you wish to improve energy data in your country?



Priority	Residential	Services	Industry	Transport
Low				
Medium				
High				

Coffee and Tea break ;-)





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