



# International cooperation on energy efficiency data

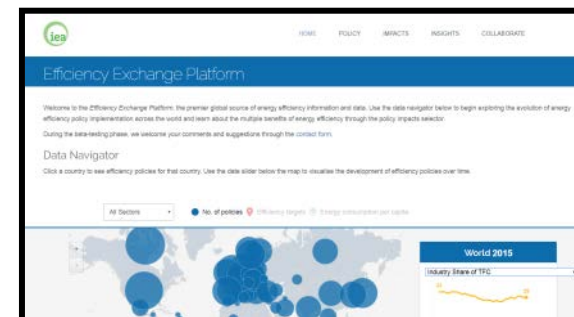
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Roberta Quadrelli – Head: Energy balances, prices, emissions, efficiency

2-3 October 2018 InterEnerStat meeting, Paris

# IEA energy efficiency data embedded in Agency-wide 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”
- Inauguration of the IEA’s new Global Exchange Platform for Energy Efficiency.
- A major programme targeting energy efficiency in emerging economies (E4) – core component of the new IEA Clean Energy Transitions package
- Data collection started in 2009 (Ministerial)



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

# International cooperation began within the IEA Members

- Enhanced engagement of IEA Members around the energy efficiency questionnaires (including work on first report cards)

- Continued update of the country practices database



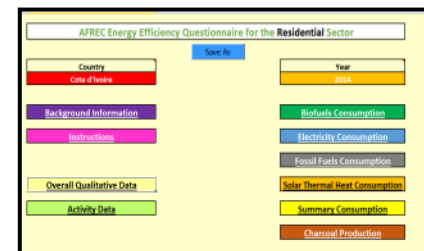
- First release of energy efficiency database; second release of Energy Efficiency Highlights

IEA Energy Efficiency Indicators Database (2017 edition)			
Table of Contents			What's inside:
<b>Energy consumption data</b>	<b>Energy Efficiency Indicators</b>	<b>Carbon Indicators</b>	<b>The first edition of the IEA energy efficiency indicators contains:</b> <ul style="list-style-type: none"> <li>End use energy data for 4 sectors</li> <li>End use energy efficiency indicators for 4 sectors</li> <li>Carbon intensity indicators for 4 final sectors</li> <li>Overall, a set of over 10,000 data points!</li> </ul>
<a href="#">Residential energy consumption</a>	<a href="#">Residential energy indicators</a>	<a href="#">Residential carbon indicators</a>	
<a href="#">Services Energy consumption</a>	<a href="#">Services energy indicators</a>	<a href="#">Services carbon indicators</a>	
<a href="#">Industry energy consumption</a>	<a href="#">Industry energy indicators</a>	<a href="#">Industry carbon indicators</a>	
<a href="#">Transport energy consumption</a>	<a href="#">Transports energy indicators</a>	<a href="#">Transport carbon indicators</a>	



# Beyond Members: key international activities on efficiency statistics

- G20 End-use data and energy efficiency metrics initiative co-led by France (Ademe) and IEA
- Energy efficiency indicators projects with regional focus (AFREC; EU4Energy; key countries; etc)
- New energy efficiency indicators Fundamentals manuals online platform: plan to roll-out in key countries



- Agreed by G20 in Beijing to launch a new work stream on *Energy End-Use Data and Energy Efficiency Metrics* within the Energy Efficiency Leading Programme, June 2016
- Work to be led by France (ADEME) and the IEA, with voluntary participation of G20 members
- First workshop held in Paris, December 2016  
<http://www.iea.org/workshops/g20-energy-end-use-data-and-energy-efficiency-metrics-initiative.html>
- Draft ToR circulated in March 2017; agreed in July 2017
- Second workshop: 22 February under Argentina G20 Presidency, followed by 23 February in-depth technical workshop

To provide a forum for participating countries to **share experience in collecting/using energy efficiency data for policy making**

Three main areas identified:

- **Technical**

Sharing information on various topics such as data collection; mobilisation of partners, and links between modelling and data

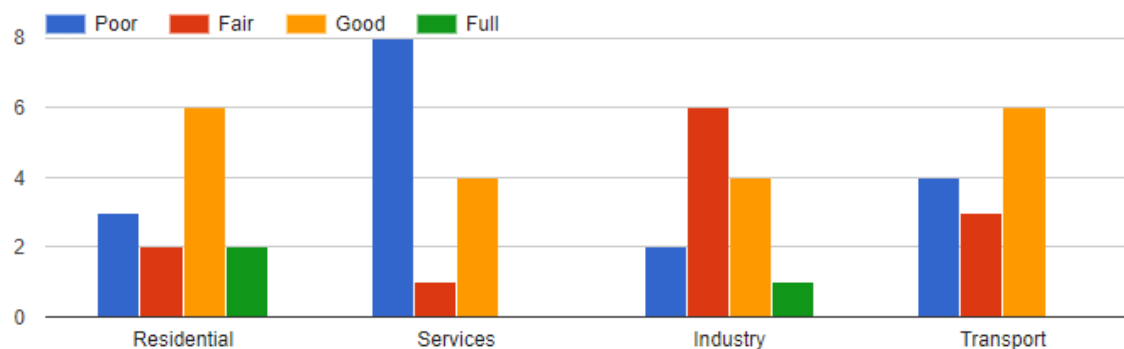
- **Communication**

Strengthening the ability to explain data and indicators to policy makers, business and the public to maximise their impact.

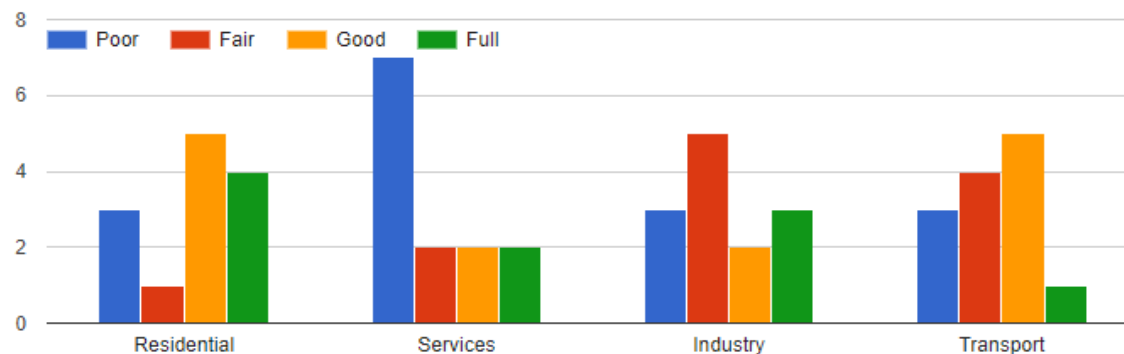
- **Wider outreach**

Discussing how to ensure that efficiency goes hand in hand with greater energy access in developing economies.

## 3. What is the availability of end use energy data in your country?

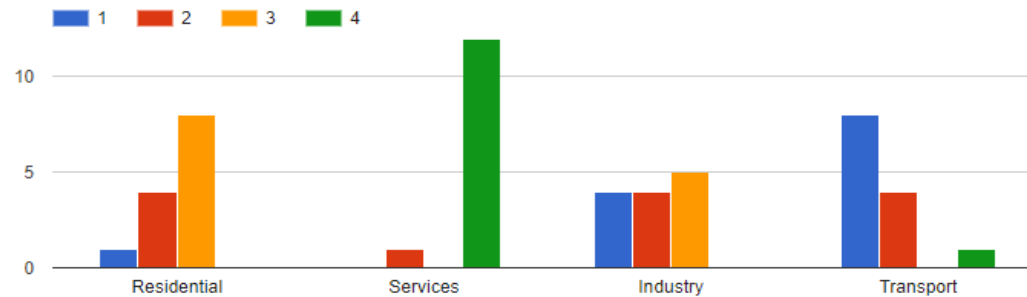


## 4. What is the availability of end use activity data in your country?

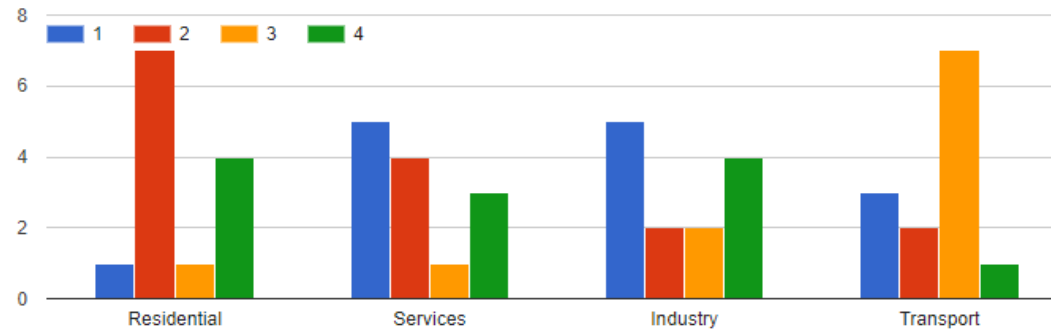


Confirming Services as sector with poorest data availability

1. Please rank the sectors on the basis of energy consumption (TFC) in your country



2. Please rank the sectors in terms of priority for improving energy end use data in your country

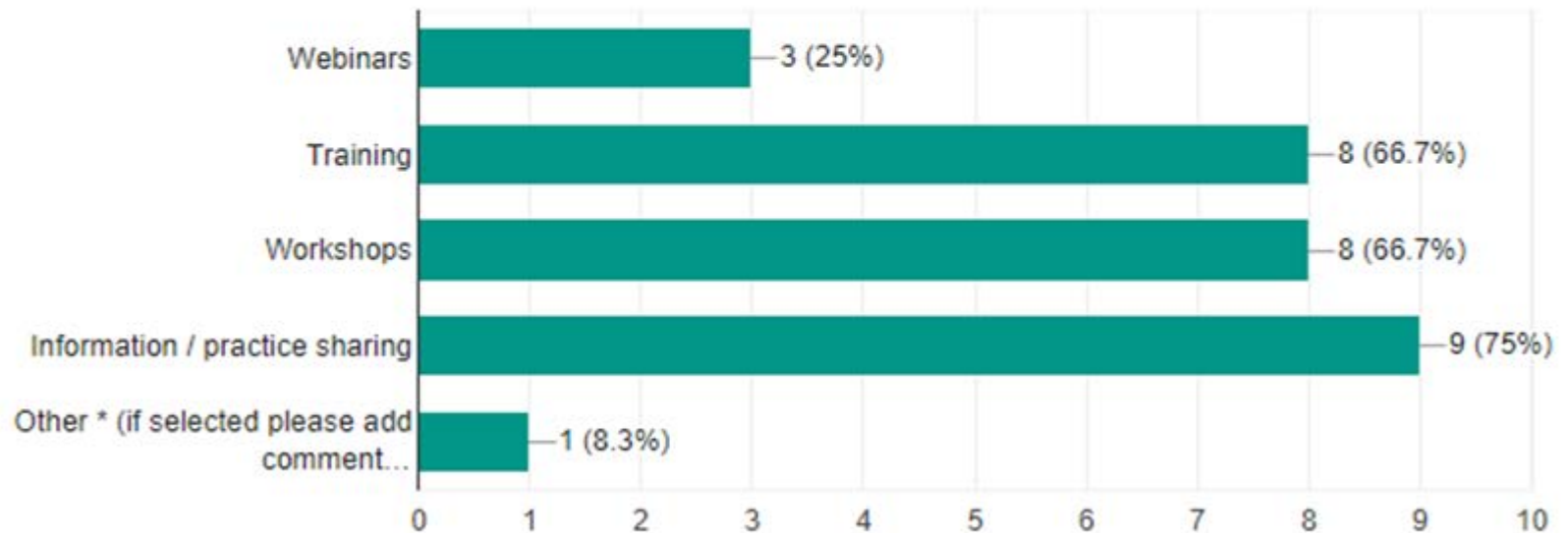


Industry, Services, Transport equally felt as priorities



## 7. What follow-up actions would you consider more valuable to be led under the G20 EEUDM initiative?

12 responses



Exchanging experience : workshops/training/practice exchange

# Cooperation with AFREC on energy efficiency indicators data



1<sup>st</sup> AFREC Energy Efficiency Seminar (EES)

“Energy Efficiency, Implementation tool for SDG”

1-2 October 2018 - Kigali, Rwanda

- AFREC is developing end-use data – priority for residential sector
- Co-organised and delivered four regional workshops in 2018
- Enhancing dialogue between energy statistics and energy efficiency focal points
- Seminar on cooperation among regional institutions occurring now (Rwanda)

du Directeur de l'AFREC | Convention d'AFREC | Dpt des Infrastructures et Energie

>> Accueil



Atelier Régional de Formation sur la Collecte de Données des Statistiques Energétiques et Efficacité énergétique du Secteur Résidentiel  
Hotel New Day Alger, Algérie | 27 - 29 Mars 2018

### Activités à venir

Organisation du 1er Séminaire de l'AFREC sur l'Efficacité Energétique en Afrique. Du 01 au 02 Octobre 2018 | Kigali, Rwanda

- [Note conceptuelle](#)

Similar data challenges as for energy efficiency – importance of good energy statistics system and cooperation at national level

The IEA co-organised a joint IEA/IPCC workshop on data in December 2017



- Participants highlighted the need for cooperation across institutions around energy statistics for multiple purposes (including inventories)
- Material and draft meeting report now available  
<https://www.ipcc-nggip.iges.or.jp/meeting/meeting.html>

**Similar data challenges as for energy efficiency – importance of good energy statistics system and cooperation at national level**

What are **priority areas** for international cooperation in energy efficiency data and metrics across organisations?

