

The G20 end-use data and energy efficiency metrics initiative: organizing next steps

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

G20 Energy end use data and metrics workshop 22 February 2018, Buenos Aires - Argentina

Data acknowledged as key component of policy work





- Today: End-use data and energy efficiency metrics workshop
- Tomorrow: Energy data transparency and market digitalization session at the Energy Transitions Working Group

A great opportunity to enhance energy efficiency data capacities through international cooperation

Energy efficiency data embedded in priority policy work at the IEA (ω)

 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





😡 International Energy Agency					
460.01	NEWSROOM	PUBLICATIONS	101925-0	COUNTRIES	SIAIBUCS
Energy Efficiency in Emerging Economies (E4) Programme					
enhance	r entriging econo d'economic devel	mins. These beach operant, ewen that	stinclude imp energy demo	moved energy sec ad in emerging ec	effer of a clean, domestic energy unity, higher productivity and onomies is projected to grow ones is more important than even.
decosive)	10 600 212 600	nomies such as the	resplets rep	ublic of china and	of energy demand will switch India, driving global energy use Demostric comences will account

an 90% of global net energy demand growth by 203

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

High momentum to enhance statistics through international cooperation

- Key IEA international activities on efficiency statistics
- G20 End-use data and energy efficiency metrics initiative co-led by France (Ademe) and IEA, since 2016

 Several energy efficiency indicators projects with regional focus (AFREC; EU4Energy; key countries; etc)









- 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











G20 Energy End-Use Data and Energy Efficiency Metrics initiative Draft Terms of Reference For circulation and comments July 2017

Developing international cooperation on Energy End-Use Data and Energy Efficiency Metrics

"...The initiative mainly aims to provide a forum for participating countries to share knowledge, methodologies and experience in collecting and using energy demand and energy efficiency data for policy making..."

We are developing a community of practice where national experts can exchange horizontally and learn from each other

iea

Knowledge-sharing is key for international cooperation: IEA examples

Data dissemination

New release of IEA Energy efficiency database; second release of Energy Efficiency Highlights

Methodologies for indicators

Manuals available for download and in new online training platform

Methodologies for national data collection

Continued update of the online IEA database on country practices for end-use data collection

IEA contributes by sharing data / methods and actively training experts









• What would you like to see as next steps within the initiative?

• How would you like to contribute?

Consulting all countries as a follow-up of this meeting

1. We have identified a common need - better end-use data for policy and the public: what are the pathways to get there?

Discuss pathways to develop national policy-relevant end-use data

e.g. how to

- Identify national data needs/gaps
- Design a system to optimally address needs
- Develop/refine methodologies for data collection and metrics
- Assess capabilities
- Implement collection and develop key metrics for priority sectors
- Disseminate results and highlight benefits for policy and the public

2. Countries have different approaches and expertise: what areas would benefit from knowledge sharing / capacity building?

Based on country interest, focus to **advance key areas**, eg:

- cost-effective approaches for data collection/modeling across sector
- integrating emerging technologies in data collection
- effective use and access of **data for policy and the public**

3. We agree that sharing knowledge will benefit all: **how can we develop and maintain our community of practice?**

Effective ways of knowledge-sharing tools, e.g.

- online platform / surveys
- webinars
- workshops

