

IEA Workshop on Energy Management Systems and Digital Technologies for Industrial Energy Efficiency and Productivity

Dates: 12th and 13th December 2017
Location: Paris, France
Venue: OECD, 46, quai Alphonse Le Gallo – 92100 Boulogne-Billancourt, Room BB1

The IEA is hosting a workshop in Paris on 12 and 13 December to examine the energy efficiency benefits arising from energy management systems, such as ISO 50001 and GB/T 23331, and digital technologies within the industry sector and what policies or measures can be deployed by government to incentivise their greater uptake and effectiveness.

The topics and questions to be explored during the workshop include:

1. How effective are industrial energy management systems, such as ISO 50001?
2. How can digitalization improve the effectiveness of industrial energy management?
3. How can policy drive greater take up?

The target audiences for this workshop include:

- Policy makers, including those from countries involved in the IEA's Energy Efficiency in Emerging Economies (E4) Programme.
- Industrial energy-users.
- Technology providers who work with energy-users to implement energy management systems and digital technologies.
- Researchers and analysts examining industrial energy efficiency.

The major outputs from the workshop include a report to capture the information provided and the outcomes of discussions, as well as the identification of opportunities for future work and collaboration.

Relevant IEA publications (free to download):

- *Energy Efficiency 2017* www.iea.org/efficiency
- *Digitalization and Energy* <http://www.iea.org/digital/>
- *Policy Pathways: Energy Management Programmes for Industry - Gaining through saving* <https://www.iea.org/publications/freepublications/publication/policy-pathways-energy-management-programmes-for-industry.html>
- *More Data, Less Energy: Making Network Standby More Efficient in Billions of Connected Devices* <https://www.iea.org/publications/freepublications/publication/more-data-less-energy.html>

AGENDA

Day 1 – 12 December 2017

Time	Item	Speaker
9:00 – 9:30	Arrival and coffee	
9:30 – 10:00	Welcome and introductions	Keisuke Sadamori, IEA
Energy Management Systems – Impacts, policies and incentives		
10:00 – 11:00	The impact of Energy Management Systems in North America, Europe and developing economies	Paul Sheaffer, Lawrence Berkeley National Laboratories (LBNL)
		Sarah Stinson, Natural Resources Canada (NRCan)
		Paul Waide, Waide Strategic Efficiency Ltd
		Marco Matteini, United Nations Industrial Development Organisation (UNIDO)
11:00 – 11:30	Coffee break	
11:30 – 12:30	Panel discussion and Q and A	Brian Motherway, IEA
12:30 – 13:30	Lunch break	
Digital technologies for industrial productivity and efficiency		
13:30 – 13:50	Overview of IEA <i>Digitalization and Energy</i> report	Araceli Fernandez-Pales, IEA
13:50 – 15:00	Benefits of energy management and digital technologies within industry	Edward Kelleher, Novartis
		Andrew Hejnar, 3M
		Tuğrul Kodaz, Arçelik
15:00 – 15:30	Coffee break	
15:30 – 16:45	Panel discussion and Q and A	Joe Ritchie, IEA
16:45 – 17:00	Wrap-up and end of day	

Day 2 – 13 December 2017

Time	Item	Speaker
9:00 – 9:30	Arrival and coffee	
9:30 – 9:45	Welcome and re-cap of day 1	Mel Slade, IEA
Energy management and industrial technology policy and programmes		
9:45 – 10:00	International collaboration on energy management through the Energy Management Working Group (EMWG)	Sarah Stinson, Natural Resources Canada (NRCan)
10:00 – 10:15	Overview of Swedish Programme for improving efficiency in energy intensive industries and digital technology in government policies	Thomas Björkman, Swedish Energy Agency
10:15 – 10:30	Energy Management Program in Korea	Shim Hong Souk, Korean Energy Agency (KEA)
10:30 – 10:45	Energy Management Systems and Programmes in South Africa	Alfred Hartzenburg, National Cleaner Production Centre of South Africa
10:45 – 11:15	Coffee break	
11:15 – 12:30	<p>Group discussion</p> <p>Attendees will discuss:</p> <ol style="list-style-type: none"> 1. The major barriers to increasing the uptake of energy management systems and digital technology in industry, 2. The potential solutions to the identified barriers 3. The role for Government policy and measures to incentivise greater uptake and effectiveness. 	
12:15 – 12:30	Wrap-up and discussion of opportunities for future work and collaboration	Mel Slade, IEA
12:30 – 13:30	Lunch	