Industry

Energy Management Action Network (EMAK)

Objectives

EMAK aims to promote improvement of energy efficiency and energy savings in industry and commercial buildings. Established in 2009, it is as a forum for participants to discuss policy issues related to energy management and share the best practices of each country, region and industry. EMAK integrates two networks: one comprises policy makers responsible for promoting best practice policies for energy management; the other is made up of industry stakeholders focused on the real-world application of energy management systems (EnMS). The networks achieve their mission by supporting exchanges on proven and innovative practices and through capacity building.

2018 - Strategic action to capture benefits of energy management

EMAK member countries account for around 40% of the global energy supply, which emphasises the importance of increasing uptake of EnMS by governments and other stakeholders. In 2018, the Task Group continued to fulfil its role as a high-level international forum for discussion, consultation and exchange of information on the role of EnMS in addressing energy efficiency challenges worldwide. This was achieved mainly by:

- Gathering stakeholders from diverse fields under the theme 'Sharing Energy Management Know-How and Good Practices' to promote the uptake of EnMS and efficient technologies across industry and commercial buildings sectors at the ninth annual EMAK workshop (Brazil / Nov 2018).

- Publishing the Action Guide on Electricity Peak Cuts and Savings as an effective tool for demand management and demand response in the Brazilian context. This guide highlights the potential of EnMS to support significant behaviour change in industrial and commercial buildings, and provides advice for both business operators and households on how to improve energy efficiency. Additionally, this tool opens a path towards enhancing the implementation of EnMS through the use of behavioural sciences.

- Helping member countries identify and prioritise key challenges in the energy management sector, such as how to systematically achieve efficient energy use without negative impacts on economic growth, while sharing recommendations on solutions to promote efficient EnMS.

- Exploring opportunities to co-operate with other IPEEC Task Groups, namely TOP TENs and EMWG.

2019 - New themes, new collaborations

In 2019, EMAK will build on its existing work to:

- Host additional workshops to facilitate exchange on EnMS best practices among policy makers and energy managers. Participating countries will explore potential themes and/or topics for future workshops, which could focus on a specific region or geographic area.

- Take efforts to publicise the Action Guide on Electricity Peak Cuts and Savings for regional and global use among EMAK members and for broader audiences. This Action Guide can help EMAK members and other interested stakeholders participate in electricity saving schemes with a special focus on businesses and households.

- Continue identifying options (tools and best practices) available for implementing EnMS to overcome energy efficiency barriers, both through workshops and by sharing workshop outcomes and reports.

- Encourage greater private-sector involvement in EMAK activities, in addition to enhancing co-operation and partnerships with other IPEEC Task Groups and international organisations.

Membership

Lead Member: Japan

Participants: Australia • Brazil • Canada • China • India • Indonesia • Mexico • Russia • Saudi Arabia • United States
Impact: **Facilitating information exchange within the energy management field**

EMAK’s 2018 workshop (EMAK9), ‘Sharing Energy Management Know-How and Good Practices’, aimed to support the application of EnMS, particularly in the industrial sector. With participants showcasing improvements in EnMS and sharing information on best practices in energy efficiency and energy savings, the event contributed to the overall propagation of knowledge on energy management best practices as well as to strengthening the network among participants from public and private organisations. The workshop was held in Brazil, with 72 participants gathered at the venue while other interested members (from seven countries including Brazil) joined the live broadcast. Together, they discussed the importance of continuing to build EnMS networks through both in-person and online interaction.

Workshop participants also made efforts to enhance the creation and dissemination of presented EnMS and best practices in energy efficiency. They identified effective mechanisms that can further boost awareness of the merits of best practices in EnMS. Finally, the workshop considered the upgrade and expansion of EnMS to supply chains based on EnMS for single companies, and called for links with national public-private networks in each region.

By supporting the exchange of information and best practices about measures that significantly improve energy efficiency on sectoral and cross-sectoral bases, such events help participants realise their energy savings potential. They also help facilitate transfer of efficient technologies and capacity building in developing countries.

**Next challenge: Support the launch and ongoing refinement of award schemes for energy management practices, including public-private co-operation and linking to targets.**

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**Retrospective**

**Addressing key topics for key players in energy management**

Across nine workshops and two webinars organised since 2009, EMAK has facilitated the sharing of experiences on the design and implementation of energy efficiency policies and programmes among diverse stakeholders, including central and local governments, industry, private banks, and research institutions.

With a focus on increasing the uptake of EnMS in industry and buildings, topics covered by EMAK include energy efficiency in small- and medium-sized enterprises, waste heat recovery measures, the role of energy services companies in EnMS, energy management best practices and award programmes.

In publishing the main findings from each workshop, EMAK creates a valuable resource for policy makers and stakeholders looking to develop energy management policies and programmes.

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