Energy Efficiency in Industry
- Energy Management and EMAK -

Jungwook PARK

EEU
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EM (Energy Management)

- A loose collection of business processes, carried out at plant and firms, designed to encourage and facilitate systematic, continuous improvement in energy efficiency
- EE improvement with same technology
- Can be applied to
  - Industry
  - Buildings
  - Equipment system like motor or heating systems
Industrial Energy Efficiency Policy Recommendations

- One of 7 energy-consuming sectors addressed by the IEA’s 25 EE policy recommendations

- Energy management
- High efficiency industrial equipment and systems
- Energy efficiency services for SMEs
- Complementary policies to support industrial energy efficiency
Establishment of EMAK by IEA

Background

- Many untapped energy management opportunities
  - EM could deliver about 10% of global primary energy consumption in industry (IEA 2009)

- A lot of gaps were identified in current EM practice and supports
  - Insufficient practice of cost-effective EM, the continued need to support improvements in the quality of EM practice

To create a robust forum to promote energy management in industrial sector

* Currently one of IPEEC tasks led by Japan in support of IEA
How EMAK works

- EMAK interconnects two key networks: policy makers and industry practitioners who are responsible for EM.
- Promoting effective energy management in industry is essential to meeting national energy efficiency goals.
- Any countries already have good experience in policies relevant to industrial energy management.
- Government has a key role in promoting good industrial energy management policies and measures.
Main activities of EMAK

- Information sharing
  - Through the workshops and training programs information and best practices on EM discussed and shared

- Network building
  - Identify the critical audiences and establish the network among them through key communication channels like events & websites

- Supporting measures
  - Manual or guide to help plan, implement and monitor EM effectively
Current Status of EMAK

- Three workshops were held
  - 1st Workshop in Paris in January 2010
    - Sharing the knowledge and experiences on broad energy efficiency policies
  - 2nd Workshop in Washington DC in May 2010
    - How industry and government cooperate
  - 3rd Workshop in China in November 2011
    - Focusing on heavy industry sectors
- Tentative website is operating
- Policy pathway for EMS published
- One webinar was held in March 2012
The way forward for EMAK

- Private sector is actively embracing energy management principles.
- National conditions must always be considered when developing industrial energy management approaches.
- However, experience to date suggests some consistently successful approaches worth sharing.

- EMAK can help connect relevant people in both government and the private sector.
- Key areas for information sharing – benchmarking, education, capacity building needs etc.
Future Plan of EMAK

- **Next (4th) Workshop**
  - considered to be held in Russia in conjunction with IPEEC PoCo in Oct. 2012
  - focusing on interests of Russia?

- **5th Workshop in Japan 2013**

- **EMAK Steering Committee**
  - back to back with IPEEC ExCo in September 2012
  - Japan, US, Australia, China

- **2nd Webinar in September**
Thank you for your attention !