



International  
Partnership for  
**Energy Efficiency**  
Cooperation

# **International Partnership for Energy Efficiency Cooperation Building's Overview**

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**IEA's Building Activities/Partnership - Webinar 10 June 2014**

# International Partnership for Energy Efficiency Cooperation



**IPEEC is an autonomous entity, established in 2008 at the  
G8 summit, reports to G20 Summit, Clean Energy  
Ministerial & others**

**Members account for > 75% of world GDP & energy use.**

# A favorable global policy context for energy efficiency



- Steady & lasting growth in global energy prices
- Climate Change is real
  - COP20 in Peru 2014, COP21 in Paris 2015
- EE on numerous local agenda (cities, regions)
- Major Economies Forum (MEF), Clean Energy Ministerial (CEM), G8, G20, UNFCCC
- UN Sustainable Energy for All (SE4All)

# IPEEC Activities Related to Buildings

- **SEAD**: Super-efficient Equipment and Appliance Deployment
- **BEET**: Building EE, a joint IPEEC-MEF initiative
- **IPEEI**: Energy Efficiency Indicators
- **GSEP**: Global Superior Energy Performance Partnership (focus on Energy Management system)

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# **Buildings are the center stage of energy efficiency programmes**



- **Buildings largest & most cost effective GHG reductions in most economies**
- **Fast growth in Emerging Economies & Developing World**

# Potential for EE in Commercial Buildings is huge, BUT....



- Insufficiently known
  - We don't spend enough resources to understand the energy demand
  - Solutions: EE indicators, EE Ratings
- Policies are rarely fully comprehensive
  - Risk for suboptimal EE reductions compared to potentials

# Buildings are complex energy systems



- Space Heating remains important but...
- Space cooling requirement is raising
- Internal loads are increasing
  - Necessity to improve EE on end-use equipment
- Equipment=>Buildings=>Urban planning

# Conclusion

- **Buildings are a key component of the necessary energy transition, in all economies**
- **International Cooperation can enhance the deployment of Energy Efficiency**
  - *Education and Capacity Building*
  - *Data Quality and Availability*
  - *Building Codes/Standards/Regulations*
  - *Building Rating, Labelling, and Disclosure*
  - *Building Component Standards and Labels*





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**Thank you for your attention**

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