



**IEA-DSM TASK XXI:  
Standardisation of Energy  
Savings Calculations**



# Workshop program and overview on Task 21

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Workshop: Harmonization in Energy Savings Calculation: How To Fit  
International Experiences With Korean Practice, Now And In The Near Future

Seoul, 21 April 2011



## TASK XXI: Standardisation of Energy Savings Calculations



# Outline

- The IEA-DSM Programme
- Task 21 Standardisation of Energy Saving Calculations
- The workshop and the Task 21



# IEA Demand Side Management Programme

- The DSM Programme is one of more than 40 co-operative energy technology programmes within the framework of the International Energy Agency (IEA).
- Since 1993, the IEA DSM Programme has worked to develop and promote tools and information on DSM and energy efficiency.
- Collaborative work between countries in Asia, Europe and North America,



**TASK XXI: Standardisation of Energy Savings Calculations**



# Ongoing work/ Tasks

**Task XVI** -Competitive Energy Services,

**Task XVII** -Integration of DSM, Energy Efficiency, Distributed Generation and Renewable Energy Sources.

**Task XX** – Branding of Energy Efficiency

**Task XXI – Standardisation of Energy Saving Calculations**

**Task XXII** - Energy Efficiency Portfolio Standards



# Task 21 Standardisation of Energy Saving Calculations

- Started in April 2009 and will end by November 2011
- Experts are participating from:
  - European Union: France, Spain and The Netherlands
  - Outside EU: Norway and Switzerland
  - Outside Europe: USA and South Korea
- Emphasis on Energy Efficiency
- Also Demand Response and Greenhouse gas emissions
- Co-operation and knowledge exchange



## TASK XXI: Standardisation of Energy Savings Calculations



# Four Subtasks

- Subtask 1: Overview of Existing energy savings calculation (ESC) standards and standards under development, and use of most relevant reports for ESC
- **Subtask 2: Basic concept, rules and systems for ESC standards**
- Subtask 3: Potential for use and continue development and maintenance of ESC standards
- Subtask 4: Communication and information



## TASK XXI: Standardisation of Energy Savings Calculations



# Energy savings calculations

- Energy savings are a result of actions and governmental programmes
- Energy savings are calculated, using formulas and comparing two energy uses
- The formulas has to be fitted to practise
- Energy reduction can/will result in reductions of greenhouse gasses



## TASK XXI: Standardisation of Energy Savings Calculations



# Work conducted so far

- Draft template developed and tested in case applications
- Final template implemented for national case applications
  - Lighting
  - Insulation
  - Variable Speed Drive and HE motors
  - Heat pumps
  - Airconditioners





## TASK XXI: Standardisation of Energy Savings Calculations



# The workshop

- Exchange the knowledge
- Show how the template is used
- Test and get feedback on the usefulness of the template
- Gain information on what is still missing
- Feedback on development of training material



## TASK XXI: Standardisation of Energy Savings Calculations



# You and the workshop

- Get information on how energy savings are conducted and described in a standardised way
- Work with a method to organise and document information for Korean programs on energy savings
- Get a feeling on what missing information is really needed
- Get insight how this fits in international developments



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**Thank you for your attention**

**Have a good workshop**

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