Evaluating the Multiple Benefits of Energy Efficiency
Welcome from IEPPEC

• International community of energy evaluation specialists:
  – Promote dialogue between evaluators
  – Advance evaluation practice
  – Provide extensive resources for evaluators

• Conferences:
  – Long Beach, USA, August 2015
  – Amsterdam, Netherlands, July 2016

• IEA Multiple Benefits report was launched at IEPPEC, Berlin, 2015 by Maria van der Hoven

• www.iepec.org
The Challenge

- Multiple benefits make the case for energy efficiency even stronger
- Estimates mostly based on modelling and ex-ante assessments
- Evidence now available is based on a few studies
- Better evidence will help to:
  - Improve robustness of models and impact estimates
  - Understand what works and how
  - Convince potential funders and partners
Areas for consideration

• What indicators are appropriate?
  – One measure or several?
  – Lifetime or annual? Timeframes?
  – What would be useful/compelling?

• How can they be measured, what are data availability and data gathering issues?

• How can we attribute benefits to measures?
  – Deadweight
  – Substitution/Displacement
  – Leakage
Areas for consideration

• How to be assessed?
  – Benefit Cost Analysis
  – What level – societal, government/utility, consumer?
  – How to deal with uncertainty?

• What sort of evidence is needed?
  – Quantitative?
  – Qualitative/case study?
Areas for consideration

• What is the most appropriate administrative level:
  – Local/National/Supranational?

• Who are the audiences for the evaluation, what are their priorities?
  – Partners?
  – Funders?
  – Anyone else?

• What skills are required?
  – Do we need partners?
This workshop

- Challenge
- Be constructive
- Be creative
- Have fun