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Research & Solutions

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



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- 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



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- 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



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- 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



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