



**DATABUILD**

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](http://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



DATABUILD  
Research & Solutions

- 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



DATABUILD  
Research & Solutions

- 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



DATABUILD  
Research & Solutions

- 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



**DATABUILD**

Research & Solutions

Databuild, 21 Graham Street, Birmingham, B1 3JR  
+44 (0)121 687 1144

[charles.michaelis@data-build.co.uk](mailto:charles.michaelis@data-build.co.uk) | [www.data-build.co.uk](http://www.data-build.co.uk)

