

## IEA Workshop

### Beyond energy savings: The multiple benefits of energy efficiency

5 - 7 March 2018

Venue: French Foreign Affairs Ministerial Conference Centre, 27, rue de la Convention, 75015, Paris, France

*In 2014, the IEA published *Capturing the Multiple Benefits of Energy Efficiency*, which outlined an approach for quantifying a range of non-energy benefits of energy efficiency. Now the IEA is in the process of updating its work on this topic, including gathering new evidence of impacts beyond energy savings.*

Monday, 5 March: Global case studies of multiple benefits		Format
13:30-14:00	Arrival and registration	
Session 1.1 14:00-17:30	<p><b>Workshop overview and recent policy experiences</b></p> <p>The opening session will highlight global experiences realising multiple benefits from energy efficiency policy. The IEA will also outline its plans for building a global set of resources on the multiple benefits of energy efficiency.</p> <p>Following this, policy makers share recent experiences linked to using multiple benefits.</p> <ul style="list-style-type: none"> <li>• Keisuke Sadamori (IEA) – <i>Opening words and recapping the IEA’s Multiple Benefits framework</i></li> <li>• Denise Mulholland (US EPA) – <i>Quantifying the Emissions and Health Benefits of EE: Recent Experiences in the U.S.</i></li> <li>• Raul Talan (FIDE, Mexico) – <i>The multiple benefits of Mexico’s household appliances phase-out scheme</i></li> <li>• Ian Hamilton (UCL Energy Institute) – <i>Health impact assessment of energy efficiency: A UK Case Study</i></li> </ul> <p><b>Coffee and Tea Break (20 mins)</b></p> <ul style="list-style-type: none"> <li>• Jenny Lacky (EECA, New Zealand) – <i>Multiple benefits of the Warm Up New Zealand insulation scheme –VIDEO</i></li> <li>• Gabriella Azzolini (ENEA, Italy) – <i>Italian experiences on tax breaks for building renovation: achieved results and impacts on economy</i></li> <li>• Michael Reid (The Keyline Group) – <i>The multiple benefits of energy efficiency in NSW, Australia</i></li> <li>• Rebecca Minch (DCCAE, Ireland) – <i>The multiple benefits of energy efficiency and engagement on climate action in Ireland</i></li> </ul>	<p>8 x 10 min presentations</p> <p>2 x 30 min discussion</p>

**19:00 – A self-paying dinner will be held at Axuria Restaurant, 54 Avenue Felix Faure, 75015.**

Tuesday, 6 March: Matching policy evaluations to policy needs		
Session 2.1 9:00-10:30	<p><b>Articulating policy needs</b></p> <p>This session will explore what policy makers need – in terms of evidence and methodologies – for designing and implementing energy efficiency policies with multiple benefits.</p> <ul style="list-style-type: none"> <li>• Laszlo Varro (IEA) – <i>Opening remarks</i></li> <li>• Lynne Gallagher (Energy Consumers Australia) – <i>Applying the multiple benefits framework to Australia: Identified gaps in the evidence base</i></li> <li>• Samantha Caputo (NEEP) – <i>Non-Energy Impacts, Approaches and Values: an Examination of the Northeast, Mid-Atlantic, and Beyond</i></li> <li>• Michael Reid (The Keyline Group) – <i>The Role of Energy Efficiency in Environmental, Economic and Social Development</i></li> <li>• Dan Hamza-Goodacre – <i>The Multiple Benefits of Cooling Efficiency: Policy Needs</i></li> </ul>	5 x 10 mins presentations discussion: 30 mins
<b>10:30 – 11:00 Coffee and Tea Break</b>		
Session 2.2 11:00-12:30	<p><b>Methods used and evidence gathered that can assist policymakers</b></p> <p>In response partly to the discussion in session 2.1, a range of academics and policy evaluators will present recent work that could be used by (more) policymakers.</p> <ul style="list-style-type: none"> <li>• Jon Stenning (Cambridge Econometrics) – <i>Modelling macro-level and sectoral impacts of energy efficiency</i></li> <li>• Lisa Skumatz (Skumatz Economic Research Associates - SERA) – <i>Latest updates on NEB research &amp; applications in US</i></li> <li>• Johannes Thema (Wuppertal Institute for Climate, Environment and Energy) – <i>Overview of methodologies for quantifying multiple benefits assembled under the COMBI project</i></li> <li>• Jan W. Bleyl (Energetic Solutions/DSM TCP) – <i>Incorporating multiple benefits into life-cycle cost-benefit analyses of deep energy retrofits</i></li> <li>• Serena Pontoglio (European Commission) – <i>Recent experiences quantifying impacts of EU policy</i></li> </ul>	5 x 10 mins presentations discussion: 30 mins
<b>12:30 – 14:00 Lunch - generously provided by Velux</b>		
Session 2.3 14:00-15:30	<p><b>Discussion: Other experiences and gaps in the evidence base?</b></p> <p>Building on session 2.2, this session will open to floor to others' experiences either designing policy or conducting ex post or ex ante evaluations. Evidence gaps and future research needs will be identified.</p> <ul style="list-style-type: none"> <li>• Catherine Cooremans (University of Lausanne)</li> <li>• Lisa Skumatz (Skumatz Economic Research Associates)</li> <li>• Carlos Pires (MME, Brazil)</li> <li>• Fabby Tumiwa (MASKEEI, Indonesia)</li> <li>• Ian Hamilton (UCL)</li> </ul>	Interventions from the floor, with conversation led by panellists.
<b>15:30 – 16:00 Coffee and Tea Break</b>		
Session 2.4 16:00-17:30	<p><b>Communicating energy efficiency using its multiple benefits</b></p> <p>Moving beyond the question of quantification, this session explores how energy efficiency policy makers and businesses have used multiple benefits to engage other government departments and consumers.</p> <ul style="list-style-type: none"> <li>• Faisal Naru (OECD) – <i>Using behavioural insights to effectively communicate sustainability</i></li> <li>• Neelima Jain (EESL, India) – <i>Public lighting and UJALA: Communication and outreach</i></li> <li>• Sune Grollov (Velux) and Andreas Hermelink (Ecofys) – <i>The Healthy Homes Barometer</i></li> <li>• Rudolphe Nicolle (Buildings2030) – <i>Building 4 People: Health, Wellbeing &amp; Productivity in Europe</i></li> <li>• Tina Fawcett, (University of Oxford) – <i>Communicating energy efficiency to European policymakers: What works?</i></li> </ul>	5 x 10 mins presentations discussion: 30 mins

Wednesday 7 March: Methodological issues in evaluating multiple benefits		
Session 3.1 9:00-10:30	<p>The third day will draw upon the previous two days and delve into the detail of issues faced by analysts and evaluators when quantifying multiple benefits. Discussion will be structured around three topics on which the IEA has commissioned new issues papers:</p> <p><b>Outdoor air quality</b></p> <p>A paper will be presented that examines issues associated with quantifying the impacts of transport energy efficiency on outdoor air quality. Consideration of issues such as trade-offs between addressing air pollution and energy efficiency, differences in energy-related pollutant sources and their proximity to population centres.</p> <ul style="list-style-type: none"> <li>• Sacha Scheffer (IEA) – <i>Presentation of a new issues paper on transport energy efficiency and air quality</i></li> </ul> <p><b>Indoor environments</b></p> <p>A paper will be presented that discusses issues related to quantifying the impacts of building energy efficiency on indoor environments. The paper will examine policies such as codes and standards, appliances and equipment minimum performance standards, etc. that incentivise the installation of technologies that improve the light quality, temperature and thermal comfort, noise, humidity and airborne particulate levels, and a brief discussion of the human health impacts.</p> <ul style="list-style-type: none"> <li>• Veronique Ezratty,(EDF); Marie- Helene Laurent – <i>Health Cost Benefits of Upgrading French Energy Inefficient Dwellings</i></li> <li>• Peter Lemoine – <i>Presentation of a new issues paper on energy efficiency in non-residential buildings</i></li> </ul>	3 x 15 mins presentations, each followed by 15 mins discussion
10:30 – 11:00 Coffee		
Session 3.2 11:00-12:30	<p><b>Macroeconomic benefits</b></p> <p>A paper will be presented that examines energy efficiency and macroeconomic impacts since the publication of the 2014 book. This session will also discuss putting energy efficiency impacts in the context of other potential interventions, i.e. making the case that the macro impacts of energy efficiency should not be ignored.</p> <ul style="list-style-type: none"> <li>• Karen Turner (University of Strathclyde) – <i>Presentation of a new issues paper on macroeconomic impacts of energy efficiency</i></li> <li>• Johannes Thema (Wuppertal Institute for Climate, Environment and Energy) – <i>COMBI Project methodologies for calculating macroeconomic impacts</i></li> <li>• Skip Laitner – <i>Linking Multiple benefits to energy productivity: A useful proxy to explore macroeconomic returns</i></li> </ul>	3 x 15 mins presentations, each followed by 15 mins discussion
Session 3.3 12:30-13:00	<p><b>Wrap up – workshop outcomes</b></p> <p>The main takeaways from the three day workshop, summarizing policy maker needs, evidence gaps, communicating the multiple benefits to stakeholders, and evaluation methods.</p> <ul style="list-style-type: none"> <li>• Kathleen Gaffney (IEA)</li> </ul>	30 mins