

Capturing the Multiple Benefits of Energy Efficiency

**Experts Roundtable on Industrial Productivity and
Competitiveness Impacts**

Paris, France

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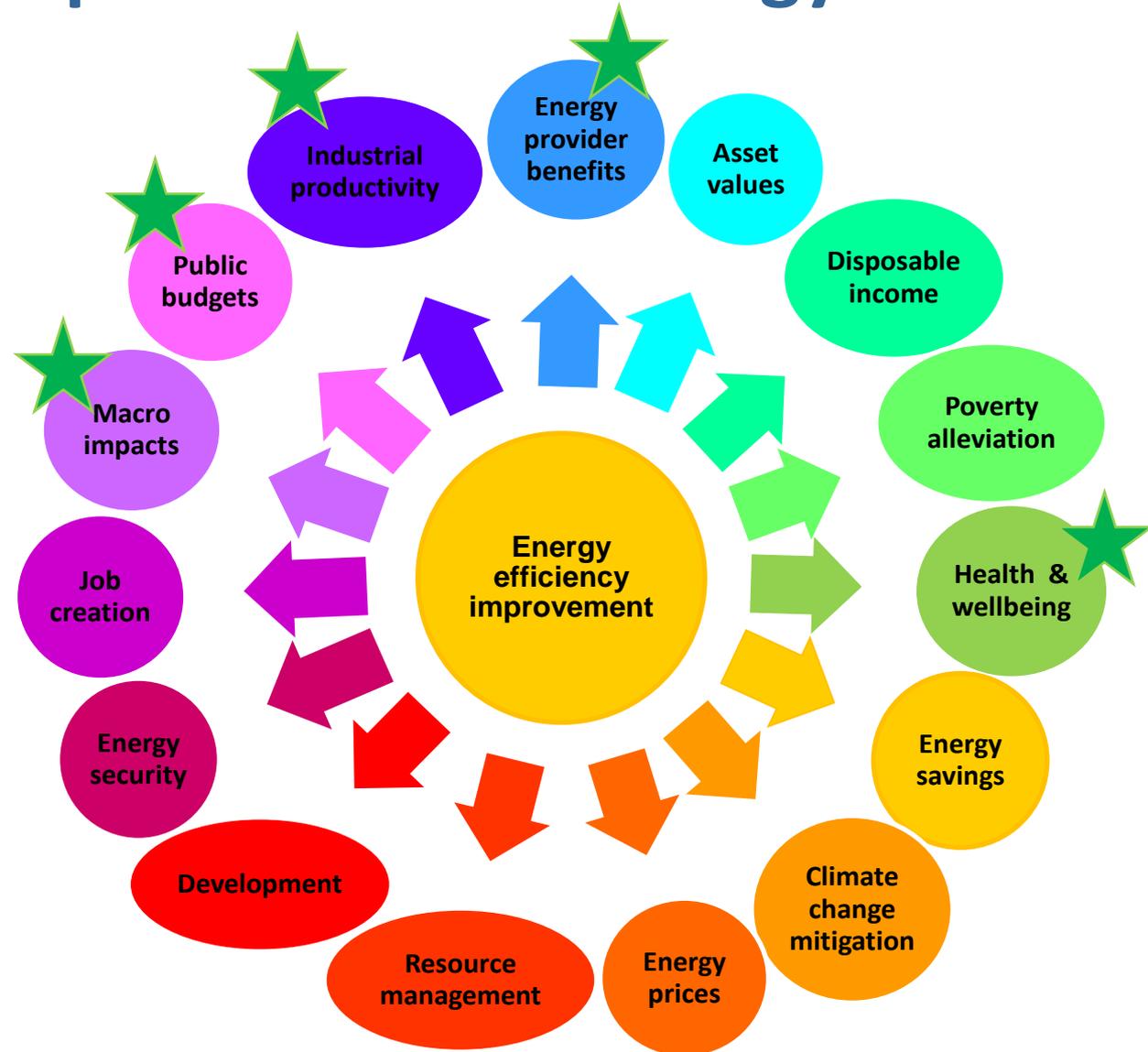


**International
Energy Agency**

Contents

- **Rationale of Multiple Benefits project**
- **IEA goals & research approach**
- **How does this Experts Roundtable fit in?**
- **Goals of this Experts Roundtable**

Multiple Benefits of Energy Efficiency



Multiple Benefits Project Goals

- **Quantify the socioeconomic and environmental benefits delivered by energy efficiency improvements**
- **Investigate cross-sectoral linkages**
- **Develop the tools and methods needed to capture the range of benefits and costs**
- **Develop a strategy for integrating them within existing evaluation approaches**
- **Communicate the contribution that improving energy efficiency makes to mainstream social and economic policy**
- **Help countries build consensus on the value of a multiple benefits approach**

Multiple Benefits Handbook Outline

PART ONE: STRATEGIC POSITIONING

- Rationale for multiple benefits approach
- Where we are now; energy savings; data challenges; existing appraisal & evaluation methodologies

PART TWO: METHODOLOGICAL TOOLKIT

- Outline for each benefit area: existing evidence; key indicators; main methodological options; default values/multiplier table; pitfalls; sample results.

PART THREE: MB IN THE POLICYMAKING PROCESS

- Integrating MB into a step-by-step evaluation process
- Adaptation to country contexts
- Communication and messaging
- Possible implications for the rebound effect

Project Progress to Date

- ***Analytical scoping study***
 - *Spreading the Net: Capturing the Multiple Benefits of Energy Efficiency Improvements (OECD/IEA, 2012)*
- ***Expert Roundtable on Macroeconomic Impacts***
 - With Climate Works, (Paris, January 2013)
- ***Expert Roundtable on Health & Wellbeing Impacts***
 - With European Environment Agency, (Copenhagen, April 2013)
- ***Expert Roundtable on Impacts for Energy Provider and Consumers***
 - With Natural Resources Canada, (Ottawa, October 2013)
- ***Detailed preliminary findings on three benefit areas***
 - Reviewed by Roundtable experts

For 2014

- **Experts Roundtable on Industrial Productivity and Competitiveness Impacts**
 - *Revise and refine Discussion Paper > Handbook Chapter*
 - *Seek additional inputs and guidance from expert reviewers*

- **Drafting of “Capturing the Multiple Benefits of Energy Efficiency: A Handbook for Policymaker and Evaluators”**
 - *Review by experts in IEA “Multiple Benefits Network”*
 - *Review by IEA member countries*

- **Publication & Dissemination**
 - *In paper and PDF form: September 2014*
 - *Dissemination and capacity building*
 - *Implementation of Multiple Benefits toolkit in real case studies*

Experts Roundtable on Industrial Productivity & Competitiveness Impacts

Stakeholder	Interest in quantifying non-energy benefits
Site or company level	<ul style="list-style-type: none"> • More comprehensive assessment of costs and benefits of energy efficiency investments. • Increase benefit-cost ratios - shorter payback periods. • Enhanced sustainability reporting.
Energy service or financial sector	<ul style="list-style-type: none"> • Enhanced business models – strengthened business case for energy efficiency projects. • Improved bankability of energy efficiency projects.
Shareholders	<ul style="list-style-type: none"> • Increased understanding of how key resources affect business • Richer understanding of business investment performance • Better return on investment
Programme or policy level	<ul style="list-style-type: none"> • More comprehensive assessment of the cost-effectiveness of programmes or policies , justify funding and additional resources • Identify best options to access economic outcomes • Improved ability to engage industry in programmes by showing quantified benefits beyond cost reductions from reduced energy use.
Wider sector or economy level	<ul style="list-style-type: none"> • Justification for investing in policies to promote energy efficiency. • Improved decision-making basis for where to allocate resources – energy efficiency, new generation or other measures. • Improved international competitiveness

Thank you



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