



*Assessing the **Intangibles**:
the socio-economic benefits of **Energy Efficiency***

IN-BEE UPDATE

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IN THIS ISSUE

THE IN-BEE CONSORTIUM	2
ABOUT IN-BEE	3
PROJECT'S MAIN THEMES	5
EVENTS	7
UPCOMING EVENTS	9
IMPRINT	10

THE IN-BEE CONSORTIUM

University of Piemonte Orientale is the lead partner of the consortium which includes also other two public universities (University of Oxford, UK – University of Graz, Austria), two public national research centres (VTT, Finland and IEN, Poland), a worldwide leading consulting company (Deloitte, Spain) and a private research centre (Sofia Energy Centre, Bulgaria). Moreover, UPO is supported by its third party Novareckon.

A large number of stakeholders in the energy field have been involved since the project development phase, such as the Committee of Regions, Eurocities, Climate Alliance, EuroAce, CAN Europe, the Association of European Border Regions, ICLEI, BPIE and EFIEES.



2



ABOUT IN-BEE

The main aim of IN-BEE is to address the theme of energy efficiency (EE) and to consider all the intangible benefits of improving energy efficiency through a multi-disciplinary approach, combining methods, datasets, and techniques from cutting edge research in law and economics, humanities and consumer behaviour, regulation and environmental sciences, as well as engineering.

The overall outcome of IN-BEE is to consolidate a set of policy recommendations for the EU and public/private institutions in charge of promoting energy efficiency, competitiveness and environmental and social sustainability.

Specific project objectives are:

- 💡 Exploring the full range of benefits delivered by EE improvements
- 💡 Taking into account different government levels, especially sub-national levels as these and first of all sub-national levels, as these are often overlooked in EE analysis



- 💡 Drawing up a methodology to describe and assess EE initiatives. The result is being used to analyse a variety of case studies across Europe and in this way offer evidence-based policy advice on how to design successful regional and local efficiency projects
- 💡 Developing a set of tools which allow the EE players to formulate long-term strategies based on the motorization of past actions in EU countries
- 💡 Involving directly a vast number of stakeholders and sharing best practices
- 💡 Supporting policy makers by bridging the gap with researchers



PROJECT'S MAIN THEMES

Intangibles

The research themes about intangibles of the EE are:

- a. Understanding and gathering evidence on the whole benefits of improving energy efficiency and,
- b. Developing new ways to measure intangibles, relevant to a range of actors

So that, focus on the intangible benefits of improving EE with both objectives, on the one hand, to list and describe the intangible benefits, and on the other hand, to find appropriate indicators to measure intangible benefits.

Trends

Focus on EE trends, considering what has been done in the recent years and the European approach for the next years. The research themes about EE trends are:

- a. Analysis of existing measures for EE issues related to consumers, policy and financing;
- b. Pave the way for better analysis of previous trends and more accurate hypothesis on the future ones

These two main research themes are being carried out with a micro-economic perspective and the focus is on three main issues:

- 💡 Consumers (residential consumers and SMEs)
- 💡 Policies (regional and local policies; multi-level governance; local, regional and national actors developing and delivering policies)
- 💡 Financing (mainly public and private financing to enterprises for EE)

The results of these activities is being used to deeply analyse real case studies with a direct involvement of a wide list of stakeholders, mainly associations of public authorities and other public and private bodies engaged in supporting EE actions. A preliminary list of case studies is already drafted, in order to exploit results of previous works carried out by the partners, and some hot topics already identified; nevertheless, a regular two-way communication with stakeholders will allow IN-BEE consortium to find new potential case studies and to address new research topics. Each case study encompasses:

- 💡 Detailed description of the programme/plan/initiative
- 💡 Assessment of results based on the framework developed in previous activities
- 💡 Collection of best practices and common patterns

At the end, a best practice report will be delivered, encompassing the most interesting cases analysed and a set of recommendations for future developments on EE policies and interventions.

EVENTS



Project events:

- 💡 The project kickoff was held in Brussels, at the Piedmont Region headquarter, on the 26th of March 2015. The project officer, Ms. Veronika Czako, the financial officer, Mr. Nicola Scanagatta and a representative of DG ENER, Ms. Nina Gareis, participated in the meeting
- 💡 The second project plenary meeting was held in Brussels, at the Piedmont Region headquarter, from the 28th to the 30th of October 2015

The meeting has been organised together with a small workshop which aimed to involve a selected group of stakeholders. This workshop was attended by 18 representatives of project consortium and different organisations. The main topics were:

- 💡 Multiple benefits in general
- 💡 Quantified vs less tangible benefits
- 💡 Different benefits matter to different actors
- 💡 Research gaps
- 💡 Advice to IN-BEE researchers
- 💡 Trends and policies

Attended events:

- 💡 Annual meeting of energy agencies and energy centres in Bulgaria held on 4th April 2015 in Hissar, Bulgaria. The event was organised by the Association of Bulgarian Energy Agencies and was attended by 23 experts
- 💡 EASME workshop – April 2015 in Brussels
- 💡 Sofia Energy Centre presented the project at the annual conference “Green Energy Days” held on 29th September 2015 in Plovdiv, Bulgaria. The event has been organised by the Association of Bulgarian Energy Agencies and attended by 25 experts
- 💡 University of Oxford presented the IN-BEE project during an informal session at the ECEEE conference held in Toulon, France in June 2015
- 💡 University of Oxford presented the IN-BEE project during an informal session at the UK Energy Research Centre Conference in July 2015
- 💡 DGENER/EASME meeting “Socioeconomic research on energy efficiency: Exchange meeting and policy feedback” – 20th January 2016 – Brussels



UPCOMING EVENTS

- 💡 Sofia Energy Centre will present “Intangible benefits of improving EE” during the Annual International Multidisciplinary Scientific Geoconference SGEM 2016, July 2016, Varna, Bulgaria
- 💡 University of Graz will present “Multiple benefits of energy efficiency – the case of Austrian Energy Regions” during the ISDRC Conference (<http://www.isdrsconference.org>) that will be held in Lisbon, Portugal on 13-15 July 2016
- 💡 VTT will present “The value of price risk reduction in energy efficiency investments in buildings” at the 4th International High Performance Buildings Conference (<https://www.conftool.com/2016Purdue>) that will be held in Purdue, West Lafayette, IN, USA in July 2016



IMPRINT

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Pictures:

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The cover picture is property of Sofia Energy Centre.

The picture at page 8 has been taken during a project workshop.



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