

December 2014

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## Edito

2014 is coming to an end, and when looking back at this year, we couldn't resist preparing a special edition of our newsletter, to gather in a single place our publications of the year and to give you the opportunity to catch up on what you may have missed.

It is my pleasure to share with you this year's publications, papers and event summaries, as well as news about continuing or new projects.

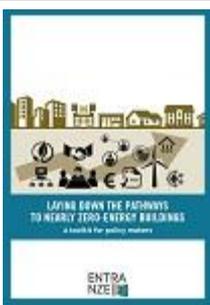
2014 has seen the continuation of rewarding projects with topics spanning from renovating our shopping centres, homes and multi-storey residential buildings to making the energy refurbishment process more transparent and effective using data. New projects started, such as ZEBRA2020 focusing on the market uptake of nearly Zero-Energy Buildings, while others ended with successful results and toolkits to enforce the transition to nZEBs in the EU.

We have other exciting projects coming up early 2015 (on indoor air quality, energy performance certificates, etc.) and we look forward to meeting you during high level events such as MIPIM, eccee Summer Study, the World Sustainable Energy Days, and more.

**We wish you a fruitful year for 2015, successful projects and collaborations, and of course, a peaceful and joyful Christmas time!**

Oliver Rapf, Executive Director, and all the BPIE team

## News



### Paving the way to nZEBs in the European building stock

Research done within ENTRANZE shows that an ambitious policy package could reduce natural gas demand by about 36-45% in 2030 compared to 2008 levels in the EU.



### Inclusion of New Buildings in Residential Building Typologies

This report is an overview of the principles and benchmarks for nearly Zero-Energy Buildings as well as information on how these new built concepts were integrated



### Buildings renovation strategy: a plan towards 2050 for Poland

The Polish "Buildings Renovation Strategy: a Plan Towards 2050" was launched on 9



### Investing in energy efficiency in Poland's building stock

BPIE joined leading international organisations and local players of the Polish construction market in an *Energy*

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| <p>Dependency on natural gas could almost be halved by 2030 in buildings if effective policy packages were implemented.</p> <p>A policy 'laboratory' was created to develop and analyse the potential impact of national strategies and policy sets to achieve this target.</p> <p>A comprehensive toolkit paving the way to nZEBs in the European building stock is now available.<br/> <a href="#">&gt;&gt;View latest reports</a></p> | <p>in the national residential building typologies for 17 European countries.</p> <p>A special focus is placed on energy consumption for space heating and domestic hot water. The findings emphasise that there is much to gain from having a European harmonised approach on how to define nZEBs, as in most countries, official definitions are not yet available.</p> <p><a href="#">&gt;&gt; Read the full report</a></p> | <p>December in Warsaw. BPIE supported a number of Polish organisations in the development of this strategy, notably in economic modelling of the long term impacts and quantification of costs and benefits. The report characterises the current market for building renovation, identifies the challenges in moving towards deep renovation and considers financing mechanisms that can help achieve the potential. Proposals on how barriers to renovation can be removed are also described. <a href="#">The report is available in Polish</a>, an English summary version will be posted shortly.</p> | <p><i>Efficiency in Buildings Laboratory</i> held in June under the auspices of the World Business Council for Sustainable Development (WBCSD). The outcome has been summarised in a report, identifying the main barriers to energy-efficient buildings in Poland and provides concrete actions to address these barriers and identify enablers for a greater market uptake. A multi-stakeholder platform has been established to deliver a more sustainable building sector in the country.</p> <p><a href="#">&gt;&gt; Access the report</a></p> |
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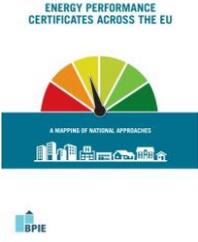
**Focus on**



**Renovation strategies of selected EU countries - compliance with Article 4 of the Energy Efficiency Directive**

Article 4 from the Energy Efficiency Directive required Member States to set out strategies for the renovation of their building stocks before April 2014. This report focuses on the strategies from 10 Member States selected by BPIE for their building stock and climate diversity and scores countries for each of the 5 requirements from Article 4: overview of the national building stock, cost-effective approaches to renovations, policies and measures to stimulate cost-effective deep renovations, forward-looking perspective to guide investment decisions and evidence-based estimate of expected savings and wider benefits.

[Download the report](#)

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|   | <h3>Energy Performance Certificates across the EU: mapping of approaches</h3> <p>This report explores the national approaches to buildings efficiency certification providing a comprehensive overview of EPC schemes and databases for residential and non-residential buildings across Europe. It identifies good practices to make EPC data reliable and accessible.</p> <p>Several maps enrich the report, presenting the diversity of implementation measures in Member States in terms of design and methodologies, quality assurance, experts training, control systems, etc. <a href="#">Download the report</a></p>   |
|   | <h3>Setting the 3% target for the renovation of public buildings - status of implementation</h3> <p>From January 2014, Member States have to renovate each year 3% of the total floor area of heated and/or cooled buildings owned and occupied by their central government. Six months after the deadline to submit a formal notification of article 5 of the Energy Efficiency Directive (EED, 2012/27/EU), BPiE's research synthesized in a factsheet the current status of implementation as of June 2014. This factsheet is the first in a series that will focus on policy implementation and other aspects of Europe's building stock. <a href="#">Download the factsheet</a></p> |
|  | <h3>Alleviating Fuel Poverty in the EU</h3> <p>In 2012, 10.8% of the European population was unable to keep their home adequately warm, increasing to 24.4% when referring to low-income people. Energy subsidies and direct financial support for household heating cannot provide a long-term solution to this problem. However, vigorous energy renovation measures for fuel poor homes can give a sustainable answer to fuel poverty. The study describes the current situation and makes some recommendations on how to achieve the social, environmental and energy goals set by the EU for 2020. <a href="#">Download the publication</a></p>                                     |

## More from 2014

### Reports, papers and glossary:

- [A Strategy for the Energy Renovation of Romania's Building Stock](#)
- [The Danish way – how Denmark takes a leading role](#)
- [Feature in the REVOLVE magazine on buildings' energy efficiency](#)
- [Energy performance of buildings - Glossary](#)
- [Energy efficiency at the heart of Europe's stability - opinion piece](#)

### Events summaries and presentations:

- [Investing into Energy-Efficiency Projects: Why and How?](#)
- [Positive Energy Buildings - wishful thinking or \(built\) reality?](#)
- [Building Renovation Strategies. From Directive to Delivery](#)
- [From ambitious design to implementation. An action plan for Romania](#)
- [Teaming-up with policymakers for a future EU nZEB building stock](#)

### Contribution to third party publications:

- [Sustainable retrofit of commercial buildings, cool climates](#)

- [Climate Change: Implications for Buildings, IPCC AR5 summary available in English and Spanish](#)
- [Energy Efficiency - the first fuel for the EU economy, EEFIG Interim Report](#)
- [Energy Efficiency in the European Union, from the EU Energy Law Series](#)

**EU-funded projects under the Intelligent Energy Europe and FP7 programmes:**

- [Romania - Policy scenarios and recommendations for a further penetration of nZEB, deep renovation and renewable heating and cooling technology, ENTRANZE](#)
- [Mapping of frontrunners in nZEB renovation of single-family houses, COHERENO](#)
- [Barriers and opportunities for business collaboration in the nZEB single-family housing renovation market, COHERENO](#)

And more on [BPIE's website!](#)

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