Implementing The Amended EPBD

EuroACE Webinar 2
New EPBD Tools to Trigger Renovations - Building Renovation Passports & Better Access to Financing

12h00 – 13h15
11th December 2018

In partnership with the Build Up Platform
Introduction and Overview
(Chapter 1)

A Guide to the Implementation of The Amended EPBD

Adrian JOYCE
EuroACE Secretary General
EuroACE

The European Alliance of Companies for Energy Efficiency in Buildings

More than 300,000

More than 1,400
Why Do We Exist?

To Advocate for Ambitious EU Policies for Energy Efficiency in Buildings

To Bring Benefits to All Through Improved Performance of Buildings

To Increase the Market for the Products, Equipment and Services Offered by Our Member Companies
What do we work on?

EPBD (Energy Performance of Buildings Directive)  
Including SRI (Smart Readiness Indicator)  

EED (Energy Efficiency Directive)  
GOV (Governance Regulation)  

EU-LTS (EU 2050 GHG emissions reduction strategy)  
(Multiannual Financial Framework)  
Focusing on LIFE Regulation & Cohesion Funds
Why a EuroACE Guide?

Set Out Our Views
Followed the EPBD since its first steps
Share our knowledge and experience
Provide high-level recommendations (12 in all)

Inform and Motivate
Member State officials
Other public stakeholders
Private actors and influencers
What Approach Did We Take?

Late 2017:
Identified the key aspects to cover

Jan-May 2018:
Prepared a draft text in consultation with members

May-June 2018:
Invited expert reviewers to comment

June 2018:
Launched public consultation in Warsaw

October 2018:
Finalised text from inputs

8th November:
First webinar

11th December:
Second webinar
A strong EPBD transposed and implemented at national level

• 12 High-Level Recommendations

• 6 Chapters Covering Key Issues

• Chapter 1 gives an overview of the main changes
2 EuroACE Guide to EPBD Implementation

• Long-term renovation strategies (LTRS), the central tool for Member States to achieve impact
3

EuroACE Guide to EPBD Implementation

• Building Renovation Passport, a powerful new option for Member States
4

EuroACE Guide to EPBD Implementation

• Financing energy renovations, the link to improved energy performance
5 EuroACE Guide to EPBD Implementation

- Smart and technology equipped buildings
6

EuroACE Guide to EPBD Implementation

• How to describe the energy performance of a building, putting energy efficiency first in methodologies based on Annex I requirements
Thank You for Your Attention!

EuroACE
Rond-Point Schuman 6
8th Floor
1040 Brussels

+32 2 639 10 10
adrian.joyce@euroace.org

www.euroace.org
New EPBD Tools to Trigger Renovations
(Chapter 3 & 4)

Building Renovation Passports &
Better Access to Financing

Céline CARRE
EuroACE President
3

EuroACE Guide to EPBD Implementation

- Building Renovation Passport (BRP), a powerful new option for Member States
BRP – What Is It?

“A document, in electronic or paper format, that outlines a long-term (up to 20 years) step-by-step renovation roadmap for a specific building, based on an on-site audit that fulfil specific criteria and indicators. It is prepared in consultation with the building owner and ensures that the full energy efficiency potential of the building is achieved by the end of the term covered by the roadmap.”
BRP – What Has Changed?

1. **Member State level:** possibility to introduce an optional scheme for BRPs, in the context of the LTRS

2. **EU level:** feasibility study carried out by the Commission by 2020, on possibility & timeline for introducing optional BRP as complement to EPC
Why is this Important?

1. Better guidance and support for owners throughout their renovation journey (more motivational than EPC recommendations): increase in renovation rate

2. Ensure compatibility of short-term measures with long-term goals as well as with life of building and owner (step-by-step renovations, Trigger Points)

3. Better planning of work leads to higher quality of executed works (increased renovation depth), therefore also reliability and trust (making financing easier)
Benefits of introduction and use of BRPs

- Easier decision-making for building owners
- Personalised renovation journey through independent advice
- Better quality of works, therefore increased trust
- More confidence from financial institutions
How to support the deployment of BRPs?

- Consider articulation BRPs/EPCs/SRI
- Collect and document good examples
- Promote digital BRPs to get buy-in from 21st century consumers
- Interact with MS administrations to encourage introduction of BRP scheme at national level (e.g. using financing from EED Article 7)
- Encourage Commission to positively evaluate BRPs so that it endorses its uptake at EU level
EuroACE Guide to EPBD Implementation

- Financing energy renovations, the link to improved energy performance
Why is this Important?

1. Ensure that projects are investment-ready
2. Ensure that financing from multiple private sources is available
3. To foster need for reliable data and therefore increase quality of works
4. To increase both rate & depth of renovation
5. To achieve objective (highly energy efficient and decarbonised building stock by 2050)
What Has Changed?

Based on **better understanding** of dynamics of financing for energy efficiency (EEFIG, DEEP platform, SFSB), demonstration that energy renovation is affordable today.

1. EU level
Commission to collect & disseminate best practices
What Has Changed?

2. National level
MS are required in LTRS to actively facilitate actions that will support mobilisation of investments (*aggregation of projects, risk reduction, leverage private investment through public funds, Eurostat rules for public buildings, one-stop-shops*)

3. National level
MS to link financial measures to targeted or achieved energy savings
Benefits of linking financing to targeted or achieved energy performance

- Increased confidence amongst investors and banks, therefore, continuous flow of funds to renovation market (certainty)
- Increased property values
- Increased quality of documentation and of works
- Increased renovation rate & depth
What role should stakeholders play?

- Record and report information related to projects (strengthening use and quality of national databases of EPCs)
- One-stop-shops
- Use of next MFF / ETS for energy renovation of buildings & link with work on Sustainable Finance
Implementing The Amended EPBD

EuroACE Webinar 2
New EPBD Tools to Trigger Renovations - Building Renovation Passports & Better Access to Financing

12h00 – 13h15
11\textsuperscript{th} December 2018

In partnership with the Build Up Platform
EASME
Executive Agency for Small and Medium-sized Enterprises

Building renovation passports, certification and financing – current projects

Philippe MOSELEY, Christope MILIN
Project Advisors
Unit B.1 Horizon 2020 Energy
Building renovation has to do more

Financing has a more important role to play

Digital/ICT has big potential to contribute
The right toolbox

Energy saving obligation schemes

Energy Performance Certificates, linking to financial support

Reinforced national long term renovation strategies
Some challenges

- Identifying best practices
- Complementarity of building renovation passports with other tools
- Holistic approach to the built environment
- Wider vision addressing environmental impacts and building sustainability
Helping Member States to implement the EPBD

www.epbd-ca.eu
EU Voluntary Certification Scheme and deep renovation: the ALDREN project

ALDREN Alliance
The ALDREN Alliance bring together the main stakeholders involved in building renovation to specify their needs and to create a common language

MORE INFORMATION
Horizon 2020 Energy Efficiency
Call for proposals 2018
Call closed – 189 proposals received

Innovation Actions

EE-1  Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation

Coordination & Support Actions

EE-2  Integrated home renovation services *
EE-5  Next-generation of Energy Performance Assessment and Certification (Coordination & Support Action in 2018)

* Single beneficiaries eligible
## Horizon 2020 Energy Efficiency Call for proposals 2019

**Call opens 12/3/2019 – deadline 03/09/2019**

### Buildings

#### Innovation Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE-1</td>
<td>Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation</td>
</tr>
<tr>
<td>EE-2</td>
<td>Integrated home renovation services *</td>
</tr>
<tr>
<td>EE-3</td>
<td>Stimulating demand for sustainable energy skills in the construction sector</td>
</tr>
<tr>
<td>EE-4</td>
<td>Upgrading smartness of existing buildings through innovations for legacy equipment</td>
</tr>
<tr>
<td>EE-5</td>
<td>Next-generation of Energy Performance Assessment and Certification (Innovation Action in 2019)</td>
</tr>
<tr>
<td>EE-18</td>
<td>Bioclimatic approaches for improving energy performance in buildings in Africa and Europe</td>
</tr>
</tbody>
</table>

*Single beneficiaries eligible*
A financing challenge

• Most of the (additional) financial burden to be carried by the private sector (i.e. households and businesses)

• Lack of attractive financing products from the market

• Subsidies are not at scale, and perceived as cumbersome

• Even if subsidies exist, measures must be prefinanced
A “human” challenge

- Home renovation schemes need to start from the "person"

- Consumer decisions are articulated around comfort, health, property value

- Finance is not (the only) key by itself, but integration of services is – including construction sector

- Non-financial barriers can undermine the financing scheme and shouldn’t be overlooked
H2020 Funding for financing the local energy transition

- **ManagEnergy** – deep capacity building for energy agencies
- Capacity building for Cities and Regions
- "European City Facility"
- Mainstream Energy Efficiency in financial sector
- Aggregation
  - EASME Technical assistance & ELENA
  - Home Renovation
- Innovative Finance
- "Sustainable Energy Investment (SEI)Forum"
EuroPACE
Platform to boost energy efficiency investments in homes and commercial buildings (ES, PL, IT, UK) - Ongoing

- Innovative Financing
  - Integrated Home Renovation Service offer
  - 100% up-front financing
  - Long-term financing, up to 20 years
  - Repaid with regular property taxes
- Pilot in Olot (Catalonia, ES)
- Assess market readiness and scale up across EU (AT, BE, ES, IT, NL, PL, PT, RO)

- Financing attached to the property:
  - can be transferred to a new owner upon sale
  - Possibility for long term planning

- Importance of the performance achieved but also of the quality of services
  - Stakeholders engagement is key (homeowners and contractors)

- Debt attached to the energy counter could also be explored

http://www.europace2020.eu/

Horizon 2020 project 785057
To conclude

• To reach the ambition of (faster) energy efficiency progress, markets need to be structured

• Action turns into policy

• Lessons learned are precious for European sharing

• Energy efficiency capacity and finance ambassadors – but a lot more is needed
More information

• Call for proposals 2019 (**deadline 03/09/2019**)
  • EE-2  Integrated home renovation services *: [https://goo.gl/iZer9U](https://goo.gl/iZer9U)
    + Dedicated Webinar: [https://youtu.be/83wFiDSiruU](https://youtu.be/83wFiDSiruU)
  • EE-9  Innovative financing for energy efficiency investments: [https://goo.gl/rDZq21](https://goo.gl/rDZq21)
  • EE10  Mainstreaming energy efficiency finance: [https://goo.gl/i6Hd79](https://goo.gl/i6Hd79)
  • EE-11 Aggregation - Project Development Assistance *: [https://goo.gl/nQjq9R](https://goo.gl/nQjq9R)

• SEI Forums Webpage: [https://goo.gl/csmFQb](https://goo.gl/csmFQb)
  • Proceedings from all events
  • Webinar: “Home renovation in Europe: The User Perspective”: [https://goo.gl/bV3ENy](https://goo.gl/bV3ENy)

• Questions & Answers: [EASME-Energy@ec.europa.eu](mailto:EASME-Energy@ec.europa.eu)

* Single beneficiaries eligible
THANK YOU FOR YOUR ATTENTION

Philippe MOSELEY, Christophe MILIN
Unit B.1 Horizon 2020 Energy
https://ec.europa.eu/easme/en/energy
The perspective from the national level – insights into the iBRoad project

Mariangiola Fabbri – Senior Project Manager

BUILD UP/EuroACE Webinar on new EPBD tools to trigger renovations: building renovation passports
December 11, 2018
Case studies

- BetterHome
- Woningpas and EPC+
- individueller Sanierungsfahrplan
- Passeport Efficacité Energétique
• Voluntary tool: complementary to EPC (EC feasibility study by 2020)
• Ambition: long term renovation targets (deep renovation or long term efficiency levels)
• Customer engagement: owners are at the centre of the process (customised measures)
• Valorise comfort (qualitative indication to facilitate understanding of non-energy benefits)
The BetterHome business model - Denmark
Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap

Passeport Efficacité Énergétique - France

b. Performance combinations

c. Multiannual workplan

da. Renovation roadmap
Individueller Sanierungsfahrplan - Germany

IHR HAUS HEUTE

Im Rahmen der Vor-Ort-Analyse des Gebäudes wurden die hier dargestellten baulichen Ausgangsbedingungen ermittelt.

- heutige Isoliereigenschaften
- Wärmedämmung Erker
- ungeädmte Kellerdecke
- kleinere Putzschäden

* vorhandener Heizkessel

ENERGETISCHER ZUSTAND

ÜBERBLICK ZUM ISTZUSTAND UND SANIERUNGSBEDARF IHRES HAUSES:

Grundsätze zur Energieeffizienz:

- sehr gut
- auffällig

Wände
- sehr gut
- auffällig

Dach
- sehr gut
- auffällig

Dämmung
- sehr gut
- auffällig

BRE HAUS HEUTE

- Heizung
- Wärmeverteilung

* Sanierungsmaßnahmen

Die Gebäudezustände weisen an mehreren Stellen Mängel auf, eine umfassende Gebäudediagnose wird empfohlen.
Woningpas - Flanders

2018: Light
- informatie & advies
- energie
- epb
- zon
- erfgoed
- ruimtelijke ordening
- overstroming

2019: Medium
- attesten
- vergunningen
- premies
- woning kwaliteit
- woningpas

2020: Full
- epc+
- controlelijst
- verrijken
- delen

Building Owner

Owner grants access to 3rd parties
It’s all about the users

• Trust in the EPC’s for advice on renovation measures is very low in BG (9%), but much higher in Portugal (47%)
• In Poland most building owners planned to finance the renovation with their own savings (84%)
• 51% of Portuguese households are more concerned about having a warm and comfortable home than saving energy
• Majority of households in BG, PT and PL (>75%) finds it essential to have a plan to renovate over time to renovate problems
• Almost half of PL households is interested in a BRP, but are not willing to pay
Thank you...

Mariangiola Fabbri
Mariangiola.fabbrie@bpie.eu

www.bpie.eu