European Commission

# EASME

Executive Agency for Small and Medium-sized Enterprises

## BUILD UP Webinar
## Horizon 2020 call EE05
## on deep renovation and market uptake

ENERGY

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#BUevent

European Commission

# Horizon 2020 Energy Efficiency
# Call EE-05 Deep Renovation of Buildings

## BUILD UP Webinar #BUevent

***'Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation', deadline on 04 June 2015.***

*Monday, 27 April, 15:00-16:30 (Brussels time)*

*Presentation given by EASME Project Advisors:*

*Ms Janna SCHÖNFELD*

*Ms Zoé WILDIERS*

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# Agenda

**1) Presentation 1 on the EE-05 2015 call:**

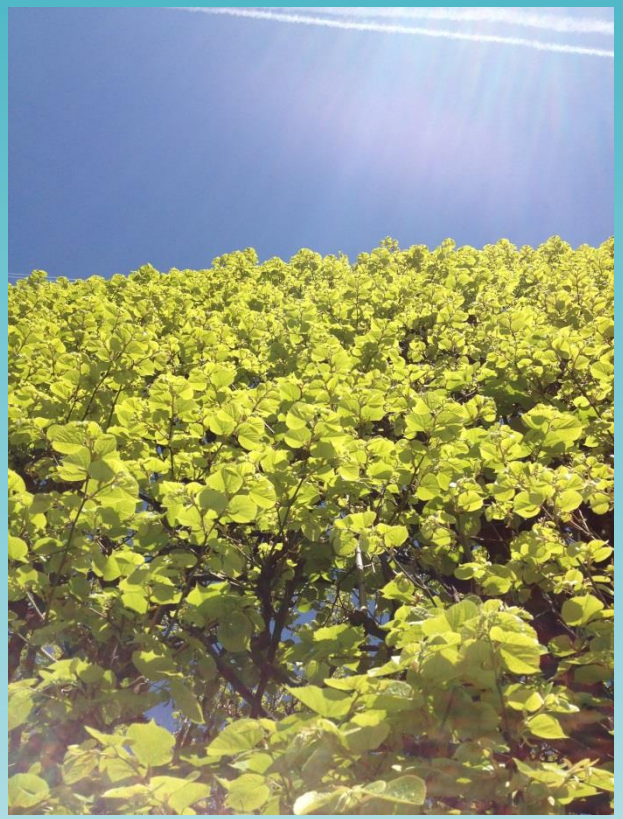
- ***The policy context***
- ***Challenge, budget, scope, impact of proposals***
- ***Lessons learnt and FAQ***

***2)*** **Presentation 2:**

**How to write a good proposal**

- ***What is expected from proposals***
- ***Do's and don’ts***

**3) Discussion of questions**



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# EU Policy context: Energy efficiency in buildings

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EU 2020 Targets | EU 2030 target

Energy Efficiency Directive

Energy Performance of Buildings Directive

Eco Design Directive

Your national and regional policy context

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# EU 2030 Framework on climate and energy

| | | | | |
|---|---|---|---|---|
| 2020 | 20 % GHG | 20% RES | 20 % EE | |
| 2030 | 40 % GHG | ≥ 27 % RES | 27%* | New Key Indicators |

New governance system

# EE-05 Deep renovation of buildings

**Challenge:**

- *Create a market for deep renovation*
- *Increase the rate of deep/NZEB renovation*
- *Process and organisation innovation*

***Indicative budget of a proposal**:*

*€ 1.5-2 million EU support*

*(Although this does not preclude submission and selection of proposals requesting other amounts)*

# EE-05 Deep renovation of buildings

**Scope:**

- *Remove market barriers*
- *Interventions across issues and actors*
- *Trigger structural changes in the market*
- *All buildings types – focus on existing and most inefficient*

# EE-05 Deep renovation of buildings

**Include at least one of the following 3:**

*1) Product and process innovation in the construction sector for product offerings on the market*

*2) Regulations, property valuation, decision-making tools for renovation, quality standards, inspection/monitoring*

*3) Enabling conditions for finance*

# EE-05 Deep renovation of buildings

**Impact:**

- *Trigger the renovation of existing buildings towards high energy performance or raising quality and compliance*
- *Target: at least 25 GWh per year savings per million Euro of EU support*

- *Measured also by:*
  1) Investments in sustainable energy
  2) Better implementation of policies
  3) Influence on relevant actors

# EE-05 Deep renovation of buildings

## Lessons learnt from first call 2014:

- *Difficulties focusing the proposal (on deep renovation).*
- *Proposals need to be clear, specific, coherent and quantified.*
- *Quantified impacts during project period need to be constructed from baselines and descriptions of the state-of-the-art.*
- *Unclear how impacts will be measured*
- *Too much focus on analysis of state-of-the-art, at the detriment of concrete new actions and testing/monitoring.*

# EE-05: Frequently Asked Questions

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***Do we need to include renewable energy?***

Renewables need to be taken into consideration for any deep renovation. Proposals may then decide whether it is feasible or cost-effective, but these should be considered.

***What do you mean by we are expected to reach the energy savings of 25 GWh/year/million of EU support? By when?***

The expected impacts in terms of energy savings and/or renewable energy production are expressed as **primary energy**. They refer to the expected energy impact to be **triggered by the end of the project**. The templates for proposal submission include tables and guidance for presenting these impacts within a proposal.

# EE-05 Frequently Asked Questions II

***Is there a definition of 'deep renovation'?***

A **'deep renovation'** in accordance with the Energy Efficiency Directive (see recital 16), is a **cost-effective renovation** which leads to a refurbishment that reduces both the delivered and final energy consumption of a building by a **significant** percentage compared with the pre-renovation levels leading to a **very high energy performance**. Such deep renovations could also be carried out in stages.

***What do you expect in terms of energy savings from a deep renovation?***

The European Commission Staff Working Document (SWD(2013) 143 final) indicates that the significant efficiency improvements resulting from deep renovation are **typically of more than 60% energy savings.**

Horizon 2020 documents:
http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-documents

Call texts and Frequently Asked Questions:
http://ec.europa.eu/easme/en/energy

For more information email the EASME team:
EASME-Energy@ec.europa.eu

Projects funded through H2020 Energy Efficiency 2014 call for proposals:
https://ec.europa.eu/easme/sites/easme-site/files/Energy-efficiency-Call-2014_funded-projects.pdf

# Question received before the webinar

- *When the call says that the expected impact of the proposals should result in energy savings of at least 25 GWh/year per million EUR of EU support...what does it mean? Is it talking about final energy savings, about primary energy savings?*
- *This saving should be achieved during the project or can be something that we can expect achieve thanks to the project in the future?*
- *On the other hand, we can read also in the call EE05 that this expected impact can be measured in terms of investment made by stakeholders in sustainable energy; better implementation of energy-efficiency policies; and number of policy makers or building owners/operators influenced. My doubt is if we have to quantify all these impact in terms of energy saved?*
- *In case yes, is there any official calculation method or some official database to calculate, for example, how much energy we can save per each building/operator owner influenced?*

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## Thank you very much.

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