Building activities under Intelligent Energy Europe and Horizon 2020

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Introduction

- Energy Efficiency in buildings – Key barriers
- Building Activities (construction / renovation)
- IEE and HORIZON 2020
- Types of action
Energy Efficiency – Key barriers

**Technological**
- Materials and components - design and design tools
- Deep renovation
- Industry (process industry and fabrication)

**Administrative**
- Building capacity and skills
- Exchange of best practice

**Financial**
- Creating favourable market conditions
- Replicating successful business models
- Preparing the ground for investments

**Regulatory**
- Shaping policy development and implementation
- Tackling regulatory barriers
- Informing stakeholders and fostering commitment
Building Activities
Awareness

• Support to initiatives raising awareness and promoting the debate on Energy Efficiency in Buildings

• Examples:
  • NZB2021 – visits to residential NZEBs
  • LEAF – step-by-step renovation through EPCs
  • ENTRANZE – support to cost-optimum methodology and initiate the debate on NZEBs at EU level
• Setting up: promote long-term strategies and discussion between sectors, develop legislation and procedures.

• Examples:
  o POWERHOUSE NZC – long term NZEB renovation strategy for social housing
  o COHERENO – involvement of supply chain in NZEB. Development of one-stop-solutions
  o SUSTAINCO and mountEE – development of NZEBs in rural and mountain areas
  o PassREG – development of local/regional planning legislation
• Support change and innovation
• Support to the design and tender process.

Examples:
- MATRID – How to implement Integrated Energy Design on actual building process
- AIDA – Technical support to municipalities, promotion of Integrated Energy Design
- NEZEH – Technical support to hotel renovation towards NZEB
- ZEMEDS – develop procurement procedure for renovation of NZEB schools
BUILDING SKILLS – development of training for the whole of the EU building workforce

- Pillar I – creating a roadmap at national level
- Pillar II – setting up of the training courses

MLEI and PDA – Technical assistance to public entities to launch NZEBs renovation
Building Activities Beyond Action

• **What happens after construction?**
  - Effects on the real-estate market.
  - Quality of construction and EPCs
  - Operational management

• **Examples:**
  - **TABULA and EPISCOPE** – market study on building typologies. Helping define the scenario for the future
  - **iSERV** – remote inspection and monitoring of buildings
  - **RenoValue** – training for valuation professionals
IEE – Programme results

- 55 Projects on buildings
- Over 90 million EUR finance
  - 68 million EUR on projects
  - 20 million EUR on BUILD UP Skills initiative
- Over 1000 GWh energy saved


- IEE type activities continue under HORIZON2020
HORIZON 2020 - Energy Efficiency

RIA

R&D - Public Private Partnerships

CSA

Market uptake activities

FP 7

First application

Intelligent Energy Europe
## Energy Efficiency – Deadlines

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* Corresponds to the topic code in the work-programme
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http://ec.europa.eu/research/index.cfm?pg=enquiries


H2020 general website: