



Building activities under Intelligent Energy Europe and Horizon 2020

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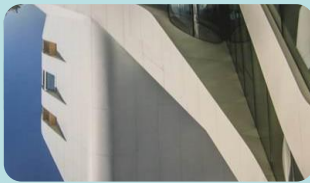




Introduction

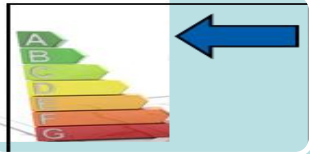
- Energy Efficiency in buildings – Key barriers
- Building Activities (construction / renovation)
- IEE and HORIZON 2020
 - **Types of action**

Energy Efficiency – Key barriers



Technological

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



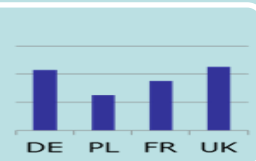
Administrative

- 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**



Building Activities Interest



- **Setting up: promote long-term strategies and discussion between sectors, develop legislation and procedures.**
- **Examples:**
 - **POWERHOUSE NZC – long term NZEB renovation strategy for social housing**
 - **COHERENO – involvement of supply chain in NZEB. Development of one-stop-solutions**
 - **SUSTAINCO and mountEE – development of NZEBs in rural and mountain areas**
 - **PassREG – development of local/regional planning legislation**



Building Activities Decision



- **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 Activities Action



- **BUILD UP 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





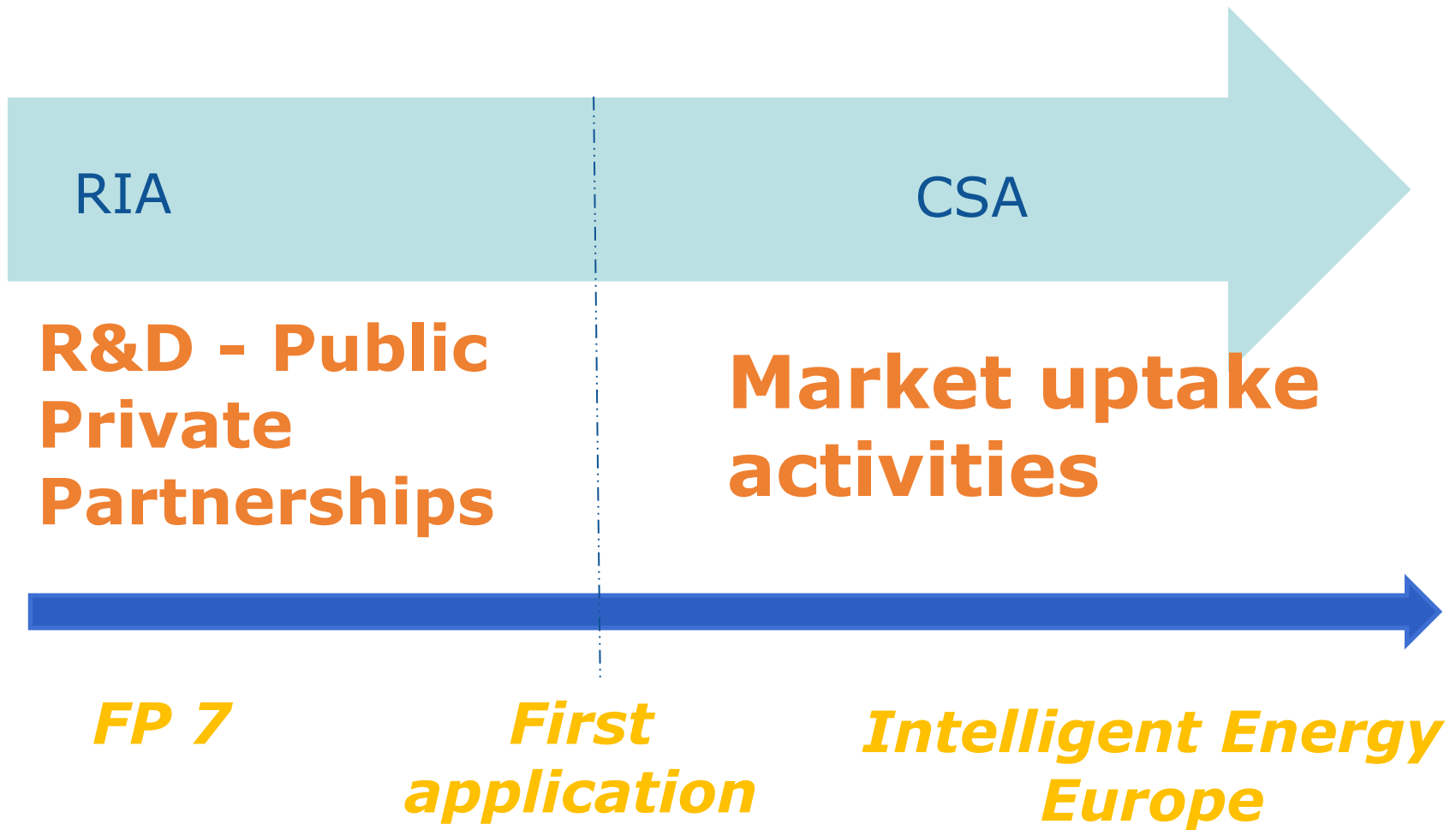
IEE – Programme results

- 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

<https://ec.europa.eu/energy/intelligent/projects/en>

- *IEE type activities continue under HORIZON2020*

HORIZON 2020 - Energy Efficiency



Energy Efficiency – Deadlines

Topics*	2014	2015
EE1, EE3, EE18	20/03/2014	
EE4, EE5, EE7, EE8, EE9, EE10, EE11, EE12, EE13, EE14, EE15, EE16, EE19, EE20, EE21	05/06/2014	
EE2, EE18		04/02/2015
EE5, EE6, EE7, EE9, EE10, EE11, EE13, EE14, EE15, EE16, EE17, EE19, EE20, EE21		04/06/2015

* Corresponds to the topic code in the work-programme



Thank you for your attention

Contact the EASME Energy Unit team via:

EASME-Energy@ec.europa.eu

Or:

<http://ec.europa.eu/research/index.cfm?pg=enquiries>

<http://ec.europa.eu/research/participants/portal/desktop/en/support/faq.html>

H2020 general website:

<http://ec.europa.eu/programmes/horizon2020/en>