



European
Commission



Technical Assistance and projects supported on financing energy efficiency in buildings

EMA Network

21st November 2017, Brussels

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THE "SMART FINANCE FOR SMART BUILDINGS" INITIATIVE

MAJOR GOALS

More effective use of public funds

- Deploying **Financial Instruments** and flexible energy efficiency and renewable financing platforms
- Building on EFSI blending with ESIF funds



Assistance and aggregation

- Supporting the project pipeline at EU and local level
- Project Development Assistance facilities
- "One-stop-shops"



De-risking

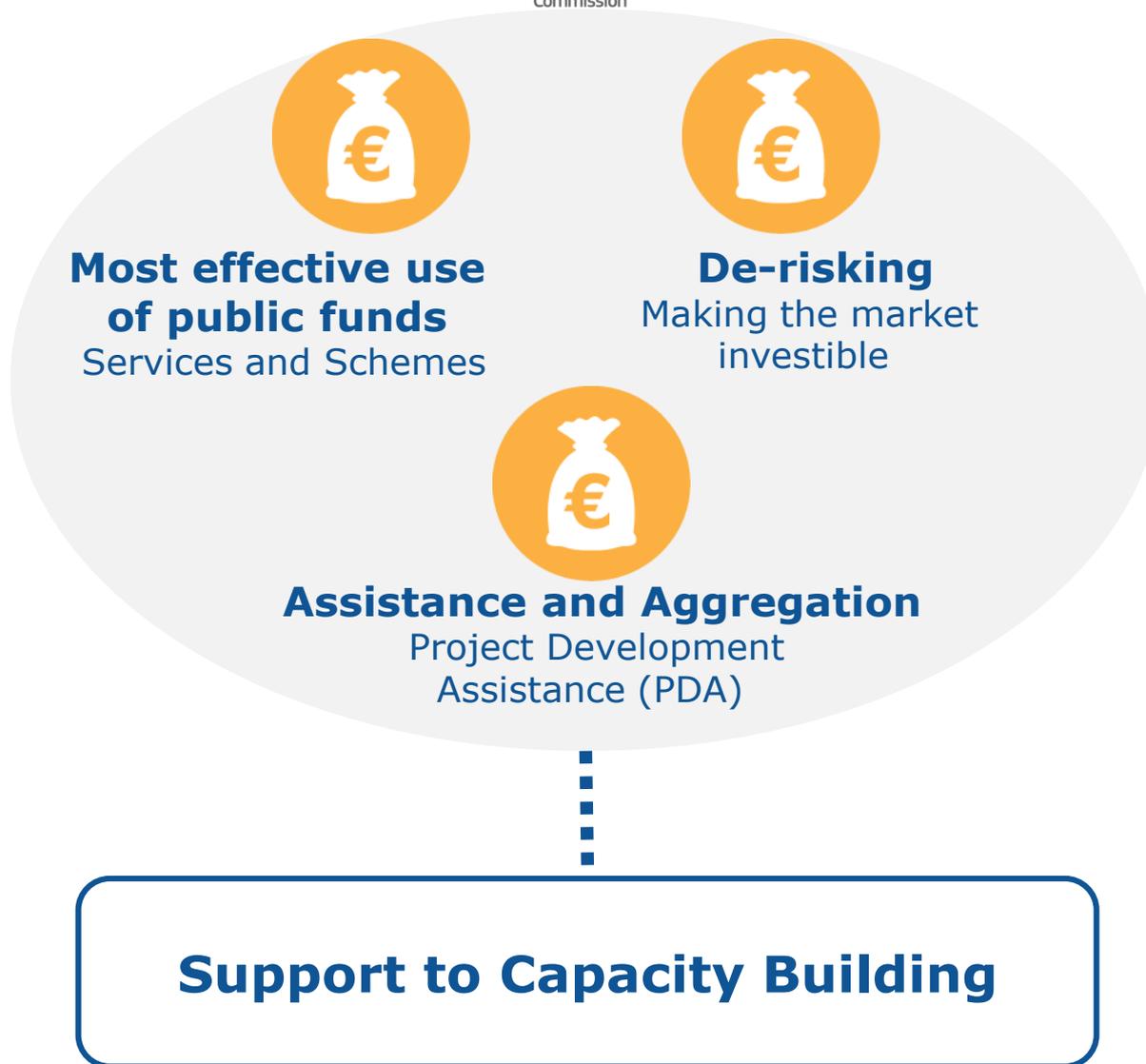
- Understanding the risks and benefits for financiers and investors



H2020 projects and initiatives to



... translate policy into action



Aggregation and Assistance

Reinforce EU Project
Development Assistance
(PDA)

« ELENA » & « EASME PDA »



Investable and aggregated projects

Creating capacity and demand at local level

Retrofit of public buildings (EPC bundling)
 EPC in the rental social housing sector or multi-family houses

Retrofit of District Heating

Aggregation and Assistance – Public Buildings

2020TOGETHER

Metropolitan City of Torino and Piedmont Region, IT

- Energy efficiency refurbishment of 47 public buildings - 36% of energy savings
- 5,000 public street lighting points - 50% energy savings in 30 municipalities
- Leverage factor of 19



Innovation?

- "Joint Procurement" of innovative Energy Performance Contracts (EPCs)
- Third Party Finance involving an ESCO and financial institutions

Replication potential?

- Joint procurement and EPC in public buildings
- Make PPP and Third Party Investment a common practice

Aggregator - Public buildings

LCIF – Cambridgeshire (UK)

- Establishment of a Local Authority Fund with over £20 ring-fenced for EE/RES projects
- Establishment of an Energy Investment Unit within the County Council
- Sustainable energy project pipeline of £21m comprising a 12 MV solar park and refurbishment of council and school buildings

Innovation?

- Establish a "Project Development Unit "
- In –house ‘off balance sheet solution’
- High degree of capacity building

Replication potential?

- Making good use of the RE:FIT framework contract developed under the ELENA RE:FIT London project delivering Energy Performance Contracting

Aggregator > 'One stop shops' – Home renovation services

PSEE Alsace (Alsace Region, FR)

Setting up a Public Service for Energy Efficiency

<http://www.oktave.fr/>

- Increase the number of thermal renovations in individual housing in Alsace to reach the renovation pace of 10,000 houses per year by 2050
- Pilot for 500 detached houses
- PDA Grant: 1.1 M EUR
- Investment: 22 M EUR

Innovation?

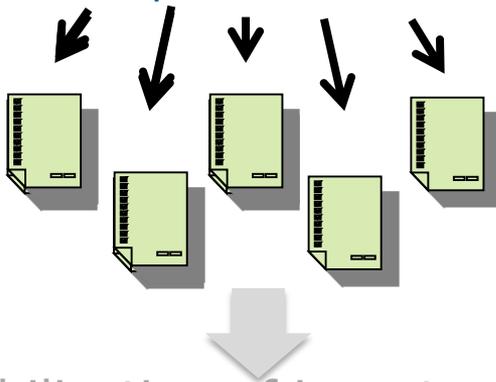
- Setup of a Public Service for Energy Efficiency (PSEE) which offers private households technical support for their renovation projects and a financing facility
- Setup of a Special Purpose Vehicle ("Oktave") as entry points for home owners
- In-depth training of 300+ local craftsmen on deep renovation

Replication potential?

- Integrated solution for the renovation of detached housing with technical and financial supports
- Scheme replicable by all French regions

New from 2019: “European City Facility” as ‘pre-assistance’

- Offering financial support and services to large number of cities and municipalities (or groupings)
- Aim: resources to develop solid, innovative investment concepts based on their long-term plans
- Within a limited period of time (e.g. 6-12 months)
- Via simplified “cascade funding” (max. lump sum: EUR 60,000)



Mobilisation of investments
*(incl. combination with
 EFSI, ESIF, PDA, investment platforms)*

“Investment Concept” =

- Clear identification of potential project pipeline with critical investment scale (e.g. pooling projects and/or bundling with neighbouring constituencies)
- Financing strategy and process to launch investments, considering different financing routes
- Legal and governance analysis etc.



Mainstreaming of energy efficiency - derisking

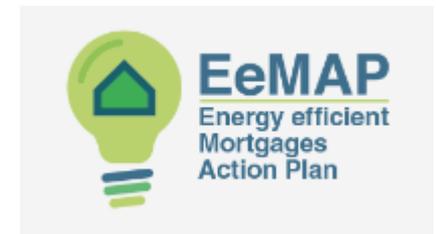
ICPEU – “investor-ready certification” for large scale building renovation

- Standard project documentation, improved data, reduced transaction cost, reliable cash flows
- Seal of Excellence « Investor Readiness Label »
- Successful uptake, eg. ENERSHIFT - Energy renovation of social housing in Liguria (IT) signing a MoU with ICPEU for their awarded ESCOs



EeMAP

- First standardised “energy efficient mortgage” product developed by European Mortgage Federation
- First time a group of major banks and mortgage lenders, as well as companies and organisations from the building and energy industries come together to discuss the private financing of energy efficiency.



Better use of public funds “Sustainable Energy Forum (SEI Forum)”

- A series of public events to help building capacity & increase demand for EE finance
- 15 EU capitals during 2017-2018
- Showcase exemplary projects & replicable investment models
- Showcase financial instruments and ESIF/national/regional programmes, where relevant
- Regional dimension: 'Host country' and 'associated countries'
- Follow up roundtables



Sustainable Energy Investment Forum (SEI Forum)

<https://ec.europa.eu/energy/en/financing-energy-efficiency/sustainable-energy-investment-forums>

- Riga, 11 November 2016
- EE Finance Market Place – Brussels, 18-19 January 2017
- Prague, 27 April 2017
- Brussels, 30 March 2017
- Copenhagen, 19 May 2017
- Madrid, 15 June 2017
- Dublin, 28 September 2017
- Milano, 16 November 2017

To come:

- ❑ Webinar "Financing Home Renovation in Europe", 21 Nov 2017
- ❑ Warsaw, 30 Nov 2017
- ❑ Paris, 11 Dec 2017
- ❑ Bucarest, 1st Feb 2018
- ❑ Athens, The Hague, Frankfurt/Berlin > spring 2018

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'SEI FORUM'

'ManagEnergy'



**Support to Capacity Building –
New in H2020 2018-2020:**

- H2020 'European City Facility'
- H2020 'Home renovation services'

THANK YOU FOR YOUR ATTENTION

- ✓ H2020 Funding 2018-2020 : <https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>
- ✓ Questions on Energy Efficiency H2020 Funding: Easme-energy@ec.europa.eu
- ✓ Apply for ELENA: elena@eib.org
- ✓ Apply for EASME PDA (next opportunity open from 25th January 2018): <https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>
- ✓ Sustainable Energy Investment Forum: <https://ec.europa.eu/energy/en/financing-energy-efficiency/sustainable-energy-investment-forums>
- ✓ ManagEnergy: Apply for EE finance master classes: <https://ec.europa.eu/easme/en/managenergy-leaders-energy-transition>

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