



Smart Financing for Smart Energy -

Horizon 2020 support to energy efficiency finance

World Sustainable Energy Days

Wels, March 2017

Energy Efficiency Services and Business Conference

Anette Jahn

Head of Sector

'Public Authorities / Innovative Financing / Energy Services'

EASME – Energy Unit

"EE financing models and EPC market remains far away reality for local authorities because of perception gap"

Financiers

- Predictability of risks
- Standardization
- Cash flows (IRR, NPV)
- Transaction costs

Local EPC projects

- Capacity constraints
- Bankability mentality
- ESA Accounting rules
- Bundling needs

The Clean Energy for all Europeans package - proposed energy efficiency measures with an impact on the Energy Services market

30% Energy Efficiency target by 2020

➡ Give investors confidence that it is worth investing in Energy Efficiency

Article 7 Energy Efficiency Directive: Extending energy savings obligations beyond 2020

➡ Attracting private investment for energy efficiency renovations

Smart Finance for Smart Buildings Initiative

➡ Focus on buildings

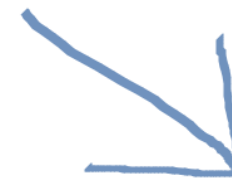
➡ De-risking

➡ Best use of public funds

➡ Aggregation & Assistance



Standardise and de-risk energy efficiency



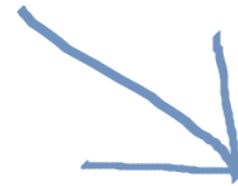
✓ Standard project documentation,
improved data, quality labels,
reduced transaction cost, reliable
cash flows

✓ Improve valuation processes





Best use of public funds



✓ Facilitating Energy Performance Contracting

✓ Innovative Financing Schemes

Energy Performance Contracting –
Modernising Buildings with Guarantee

Results of the European Project EESI 2020

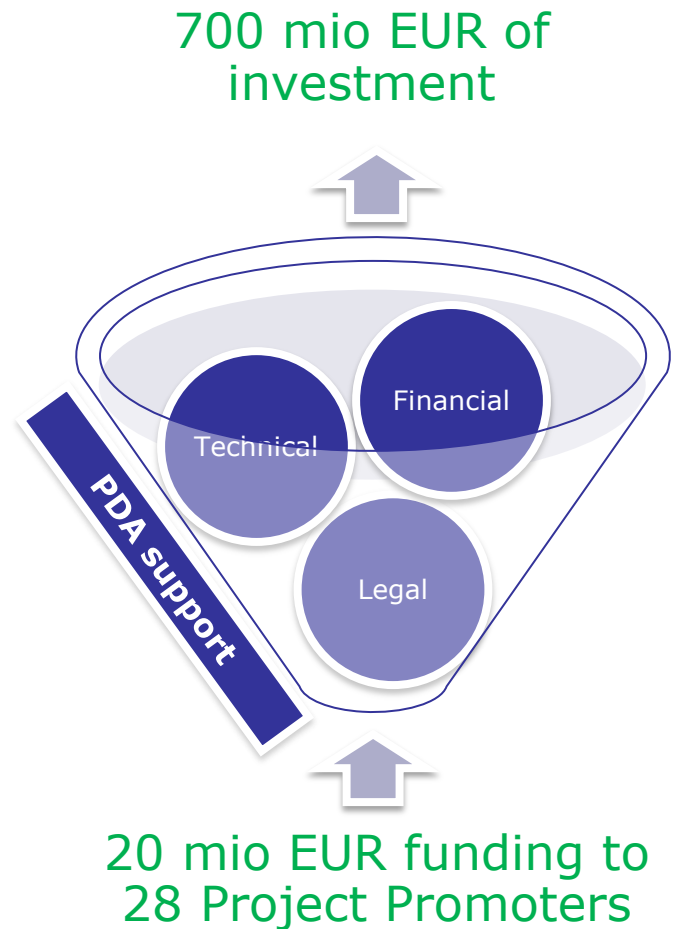
www.eesi2020.eu





Aggregation – technical assistance (TA)

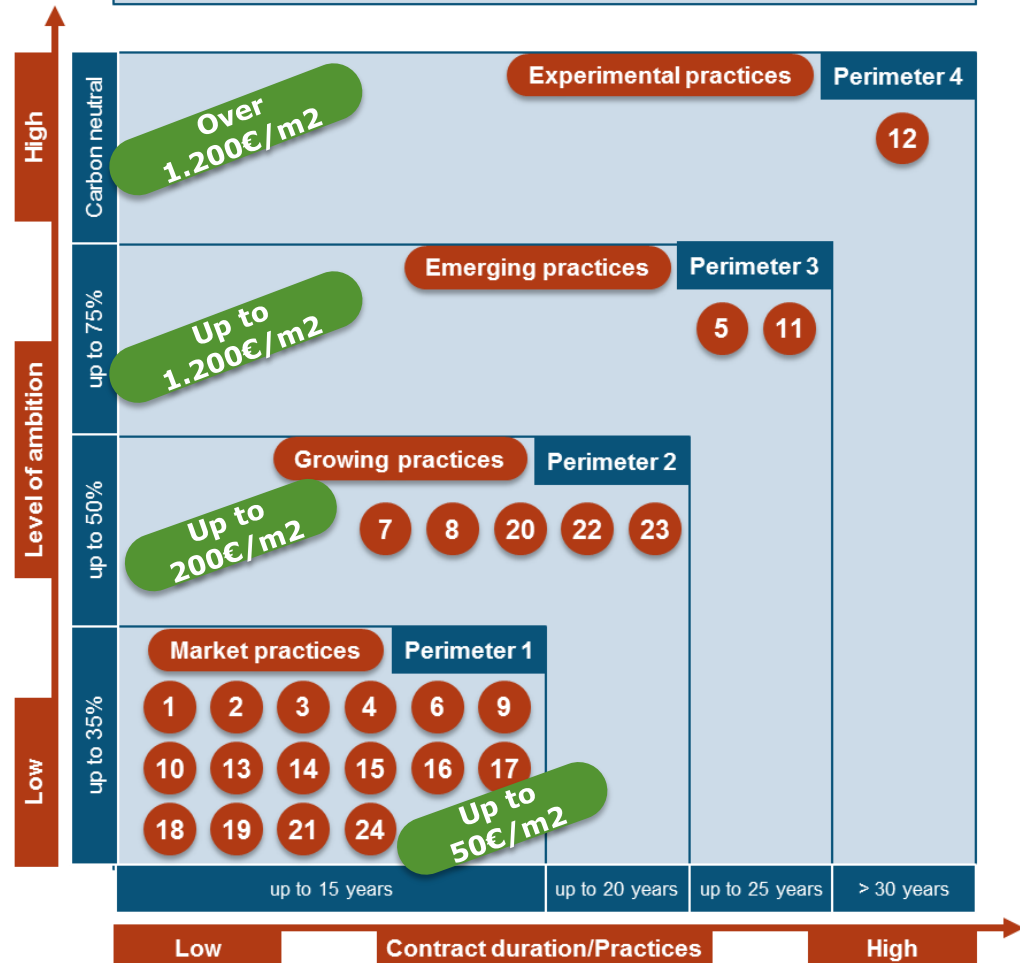
- ✓ Creating capacity and demand at local level
- ✓ Retrofit of public buildings (EPC bundling)
- ✓ EPC in the rental social housing sector or multi-family houses
- ✓ One-Stop-shops, home renovation
- ✓ Retrofit of public lighting
- ✓ Retrofit of District Heating



Models

1	REDIBA	2	Berlin Energy Saving Partnership
3	RE:FIT	4	Vlaams Energiebedrijf
5	OSER	6	Fedesco
7	Eandis EDLB	8	ESCOLimburg 2020
9	Eco'Energies	10	Energy Fund Den Haag
11	Energies POSIT'IF	12	Climate Community Saerbeck
13	Cambridgeshire MLEI	14	Ox Futures
15	Rotterdam Green Building	16	Energy Efficiency Milan
17	ENSAMB	18	Brixton Energy Co-op
19	EERFS	20	SUNSHINE
21	Warm Up North	22	SPEE Picardie
23	KredEx	24	PadovaFIT!

Model level of ambition mapping



	Facilitator		Integrator		Financing only
	No aggregation	Aggregation	No aggregation	Aggregation	
Esco financing	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB Rotterdam GB EE Milan PadovaFIT!	-	-	N/A
Financial institutions	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB ENSAMB Energie POSIT'IF	Warm Up North	-	N/A
Program Delivery Unit financing	OSER	Fedesco Ox Futures	OSER	Fedesco Energie POSIT'IF Eandis EDLB EscoLimburg 2020 SPEE Picardie	N/A
Investment Fund	EERFS SUNSHINE	-	-	EscoLimburg 2020 Cambridgeshire MLEI	Energy Fund Den Haag KredEx
Citizens financing	-	Ox Futures Brixton Energy Co-op	-	-	Climate Community Saerbeck

Capacity Building – Sustainable Energy Investment Forum (SEI)

A series of events across the EU in 2017/2018 to help building capacity and increase demand for EE finance

- Showcase exemplary projects & replicable investment models
- Regional dimension: 'Host country' and 'associated countries'
- First event: Riga, 11th Nov 2016 covering the Baltic Region
- ❖ 15 capitals, plus 15 national roundtables

New! SEI Forum in your capital:

- Prague (CZ) 27th April with AT, HU, SK
- Copenhagen (DK) 24th May with SE, NO
- +/- 8 more capacity building events and national roundtables this year



EU support through H2020 - next opportunities:



Heating &
Cooling



Consumers



Buildings



Industry &
Products



**Finance for
Sustainable
Energy**

**Deadline for applications:
7th June 2017 17:00 CET**

EE22 - Project Development Assistance

EE23 - Innovative financing schemes

EE24 - Making the energy efficiency market investible

H2020 Energy Efficiency Call 2017 Info Day - view topic specific sessions:
<https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>

THANK YOU FOR YOUR ATTENTION

Easme-energy@ec.europa.eu

Anette.Jahn@ec.europa.eu

EASME on Twitter



@H2020EE • @H2020SME • @EEN_EU • @EU_ECOINNO

H2020 Energy Efficiency Call

More information and help:



- For all questions on the H2020 energy efficiency call:
EASME-Energy@ec.europa.eu
- Recording - EU Information Day on the H2020 energy efficiency call 2017:
<https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>
- Follow the Sustainable Investment Forum:
<https://ec.europa.eu/energy/en/financing-energy-efficiency/sustainable-energy-investment-forums>
- Check out the Project Development Assistance – FAQ Guide
https://ec.europa.eu/easme/sites/easme-site/files/documents/pda_faq_easme_website.pdf
- EASME Energy Efficiency webpage: <http://ec.europa.eu/easme/en/energy>
- Practical information on H2020: <http://ec.europa.eu/programmes/horizon2020/en/how-get-funding>
- National Contact Points:
http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html
- To act as expert for assessing proposals:
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>