

EASME

Executive Agency for Small and Medium-sized Enterprises

Accelerating industrial Energy Efficiency Investments

ECEEE Industrial Efficiency 2016, Berlin



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ENERGY

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1. How to improve Energy Efficiency in Industry

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2. Financing Industrial Energy Efficiency

3. Next financial support available (in 2017)



IEE (2007-2013)

- € 730 million
- 500+ projects

Horizon 2020 (2014-2020)

- € 80 bn in total for R&I
- € 6 bn for energy

Industry in EU final Energy Use

Commission

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• Industry = 25% of EU energy use

 Noticeable energy efficiency progress

But significant potential remains

EAS3/E



IEE projects 2003-2013



Voluntary Agreements	•2 projects; Win-win situations •Challenges: difficult in countries without VA experience
Benchmarking	 18 projects; mostly sector specific/process oriented Challenges: limited data used; low number of participants
Audits	 18 projects; 1400 energy checks; 660 audits Challenges: engage managers to implement findings
Energy Management Systems	 9 projects; monitoring, "plan-do-check-act"; ISO 50001 Challenges: Very case specific
Capacity Building	 20 projects; 3600 energy managers/auditors trained Involvement of 'multiplier' organizations = success factor

Source: internal analysis of IEE Calls. 1 project might include several activities

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H2020 projects examples



STEAM-UP (Call 2014)

Development of business cases including non-energy benefits. A participatory approach is proposed, involving enterprise (top)-management.

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www.steam-up.eu

EnergyWater (Call 2015)

Set-up of **Energy Angels Networks**:entity providing **financial, technical** support related to energy efficiency







Financing industrial energy efficiency Drivers and barriers

Energy Efficiency Financial Institutions Group (EEFIG)

- > 120 participants from finance sector/other key stakeholders => "Energy Efficiency the first fuel for the EU Economy. How to drive new finance for energy efficiency investments"
- > Joint work towards accepted underwriting procedures, contract elements, protocols etc.
- > Tracking projects' energy/financial performance to increase trust in financial viability

Main drivers

- Regulatory stability
- Energy Efficiency investment returns
- Performance data availability with clear and transparent MRV system
- □ Clear business case **baseline**
- □ Long-term finance supply
- □ Skills to assess energy efficiency investments (and knowledge of technologies)
- □ **Standardised** investment process (easy-to-use steps)
- Financial support for technical assistance

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H2020 projects examples



Innovative financing schemes

TrustEE

- Investment fund focused on industrial energy efficiency
- Fund-internal guarantee facility to reduce risks
- Third Party Financing institutional investor

Standardisation/benchmarking

SEAF

- IT based framework for valuation and benchmarking of small-sized projects (EE, RES, demand response)
- Project optimization and risk assessment/insurance
- Increase of investors' trust and bankability by standardisation/benchmarking and reduction of transaction costs/risks

Awareness/dialogue/capacity building

National sustainable energy financing platforms (SEFIPA – Austria; ENERINVEST – Spain; BUILDINTEREST - Netherlands, France, Italy; RESFARM – Spain)







- Public/private buildings, street lighting, district heating/cooling, transport, industry/ services
- > Organisational innovation in financial engineering/mobilisation of investment programme
- Exemplary/showcase dimension

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PDA projects examples



Sunshine

- > Deep retrofitting of multifamily residential buildings in Latvia
- Guaranteed energy savings by public and private ESCOs
- Set-up of forfaiting fund buying future cash flows of ESCOs
- ➢ Planned investments: € 30 mill. (leverage factor: 19)

RESCOOP MECISE

- > Portfolio of **RES projects** in Belgium, Spain, France, UK
- EEF measures in public buildings/lighting
- Facilitation of EEF (and RES) investments in member homes
- Establishment of dedicated financing structure (e.g. revolving fund) or financing facilitation service to enable pooling of resources by "rescoops" for large-scale (bundled) RES/EEF projects
- Planned investments: € 111 mill. (leverage factor: 51)







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PDA results

- > MLEI / PDA (EASME): investments <€50m</p>
- ➤ ELENA EIB: investments >€50m
- Over 80 projects, expected to trigger >€4 billion investments in EE/RES







- Essential to ensure that audits include all relevant technical and financial information
- Capacity building of auditors and managers
- Energy culture in companies
- Project development assistance including technical assistance and financial engineering





EC support - Call 2017



	Energy Efficiency Call 2017	Deadline
	EE15: Capacity building programmes for energy auditors and decision-makers to enhance implementation of energy efficient measures	
	EE18: Improve the energy efficiency of industrial parks through energy cooperation and mutualised energy services	
	EE-22: Project Development Assistance	7 June 2017
ā	EE-23: Innovative financing schemes	
	EE-24: Making the energy efficiency market investible	
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MEET - NETWORK - COLLABORATE

SAVE THE DATE: 19 SEPTEMBER 2016

H2020 Energy Efficiency Info Day

It's time to prepare for the next Energy Efficiency funding opportunities in 2017!

WHERE: Charlemagne Building in Brussels

WHEN: 19 September 2016

Registrations will open this June. All sessions will be live web-streamed.

Join the conversation: #H2020EE2017 & @H2020EE





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https://ec.europa.eu/easme



BARRIERS TO EFFECTIVE ENERGY MANAGEMENT

