

EASME

Executive Agency for Small and Medium-sized Enterprises

EU support to energy efficiency investment – key initiatives

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SMART FINANCE FOR SMART BUILDINGS

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
- The De-risking Energy Efficiency Platform
- Commonly accepted underwriting framework





Horizon 2020 finance of energy efficiency – turning policy to action

De-risking

7 projects

Understanding the risks and benefits related to energy efficiency investments



Assistance and aggregation 38 projects

Supporting the project pipeline at EU and local level



More effective use of public funds

13 projects

Deploying Financial
Instruments and innovative
business models to attract
private finance





More effective use of public funds

HORIZON 2020

13 projects

Deploying Financial
Instruments and
innovative business
models to attract private
finance

- New, innovative and "exploitable" financing schemes
- Next generation energy performance contracting, next generation energy services
- Establish regional/national aggregators
- National/regional energy efficiency investment roundtables/platforms



More effective use of public funds

IEE

STEEEP

Support and Training for an Excellent Energy Efficiency Performance

BE, IT, UK, AT, EE, ES, FR, HR, HU, LV



http://www.steeep.eu/

 tailored training and guidance on effective energy management tools and practices provided by an established network of intelligent energy advisors of Chambers of Commerce and Industry (CCIs) from 10 different countries.

"The know-how we gained from our participation in STEEEP workshops allowed us to monitor effectively our energy use and to identify potential savings." Pascal WEBER Industrial Director...

- Success stories, Q&A
- Over 600 SMEs saved 10-15% of their energy costs in 3 years

Executive Agency for SMEs



More effective use of public funds

HORIZON 2020

SUSTAINABLE ENERGY INVESTMENT FORUMS



- A series of events to help building capacity & increase demand for FF finance
- 15 EU capitals during 2017-2018
- Showcase exemplary projects & replicable investment models
- Showcase financial instruments and ESIF/national/regional programmes, where relevant
- Public events, roundtables
- Webinars, EU conferences « energy efficiency market place »

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





Assistance and aggregation

HORIZON 2020

38 projects

Supporting the project pipeline at EU and local level





- Technical assistance to develop sizable projects
- Volume approach: Bundling, pooling, one-stop-shops
- Buildings, industry, transport, or EE infrastructure such as street lighting
- Deliver investment while delivering high degree of innovation
- Leverage: at least 1:15, expected: 800 mln €





Assistance and aggregation

Intelligent Energy Europe

Energies POSIT'IF

France, Ile-de-France region

an innovative instrument for energy renovation



- Pilot of energy performance contracting in condominiums
- 2000+ units renovated for a value of 40 mln € investment
- Organisational innovation: one-stop-shop to design, implement, finance, monitor for home owners
- Legal innovation: impulse of this project changed substantially the mandate of public ESCOs
- EIB Loan for 100 mln € signed backed by EFSI (Junker Plan)
- 2020: 10.000 dwellings for 175 mln €

www.energiespositif.fr





De-risking

HORIZON 2020

7 projects

Understanding the risks and benefits related to energy efficiency investments



- High visibility pilots with potential high market influence
- Development and demonstration of frameworks for standardisation and benchmarking of energy efficiency investment (e.g. labelling, project rating methodologies, risk assessment tools)
- Capacity building for banks
- Gathering and disclosing of large-scale data on actual financial performance of energy efficiency
- Integration of non-energy benefits into project valuation





De-risking

HORIZON 2020

ICPEU/I3CP

Certified, Standardized, Bankable Energy Efficiency



http://www.eeperformance.org/

- Standardisation of processes and documentation - work with key stakeholders to develop open source protocols and apply them to real projects
- Commercial and residential buildings, as well as industry and infrastructure (new)
- Quality label « Investor Ready Energy Efficiency™ (IREE) »
- Investors Network of 15 financial institutions with EUR 1.5+ billion for investments in ICP compliant projects
- 6 projects certified in the UK, ES, PT and more in preparation in AT, BG, DE, IT
- Commercial exploitation of IREE certification: January 2018





De-risking





- established in 2013 by the European Commission Directorate-General for Energy (DG Energy) and United Nations Environment Program Finance Initiative (UNEP FI)
- 120 active participants from 100 organizations
- landmark report "Energy Efficiency the first fuel for the EU Economy: How to drive new finance for energy efficiency investments" (2015), the EEFIG Underwriting Toolkit (launched in 2017), and DEEP platform

http://www.eefig.com/index.php





De-risking - value and risk appraisal

Sources of value

Energy

Savings

Reduced impact of energy

price volatility

Non-energy

Asset value

Productivity

Health & well-being

- •Non-energy benefits can be much more strategic and attractive to decision makers than just energy savings
- Financial appraisal needs to identify and value all benefits



EEFIG UNDERWRITING TOOLKIT

Value and risk appraisal for energy efficiency financing

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De-risking - value and risk appraisal

- Acknowledge and understand all the risks
- •Very little data linking energy performance to financial performance
- •Financial institutions should tag Energy Efficiency loans and Green mortgages to enable risk analysis in future
- Better understanding of risk can bring more capital and product innovation



EEFIG UNDERWRITING TOOLKIT

Value and risk appraisal for energy efficiency financing



De-risking – EEFIG underwriting toolkit

Toolkit assisting Financial Institutions in scaling up the deployment of capital into energy efficiency by:

- helping financial institutions better understand and evaluate value and risks.
- providing a common framework for evaluating energy efficiency investments and analysing the risks.
- helping developers and owners develop projects in a way that better addresses the needs of financial institutions.
- fostering a common language between project developers, project owners and financial institutions.

AUDIENCE

- Banks senior management
- Valuation and risk teams
- Investors & project developers

EEFIG UNDERWRITING TOOLKIT

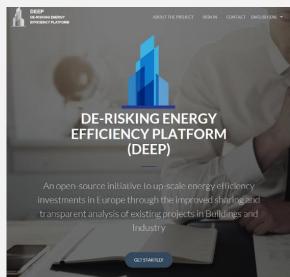
Value and risk appraisal for energy efficiency financing





De-risking – The De-risking Energy Efficiency Platform (DEEP)

- An open source database for energy efficiency investments performance monitoring and benchmarking.
- Objective: to improve the understanding of the real risks and benefits of energy efficiency investments based on market evidence and track record.
- Includes 10,100+ energy efficiency projects in buildings and industry from 28 data providers (October 2018).
- Access through: http://deep.eefig.eu



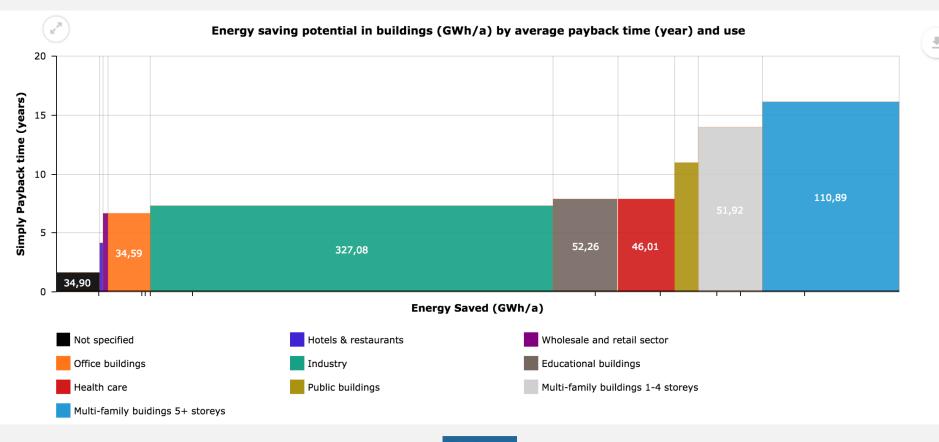






De-risking – The De-risking Energy Efficiency Platform (DEEP)





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De-risking – The De-risking Energy Efficiency Platform (DEEP)







European Structural and Investment Funds

- 5 funds (ERDF, ESF, CF, EAFRD, EMFF)
- Support to transition to low carbon economy
- Initiatives like PAREER-CRECE in ES: Aid Programme for the Energy Renovation of Existing Buildings
 - for any use (dwelling, administrative, commercial, heath, educational, etc.)
 - Range of measures, mainly improvement of thermal envelope, heating and lighting
 - Direct aid (48%) and loan (52%)
 - Municipalities, hotels, escos benefiting
 - Oversubscription by 35% in 2016







Conclusion

- Markets need to be structured to reach the ambition of (faster) energy efficiency progress
- In many initiatives, action turns into policy
- Lessons learned are precious for European sharing





THANK YOU

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