



# **New trends in urban energy and mobility planning SIMPLA International Conference**

## **ENERGY EFFICIENCY: EUROPEAN SUPPORT FOR REGIONS AND CITIES**

28 November 2018, Trieste

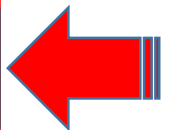
Michele SANSONI

Project Adviser – Public Authorities, Energy Services and Financing  
H2020 Energy – EASME European Commission

*Executive  
Agency  
for SMEs*

# Annual investments needed to reach EU energy and climate goals by 2030<sup>(1)</sup>

Investment expenditures in billion EUR'10 (average annual 2021-30)		REF2016 (BAU)	EUCO30	Financing challenge
Demand side	Industry	15	19	4
	Buildings - households	127	214	87
	Buildings - tertiary	23	68	45
	Transport	705	736	31
Supply side	Grid	34	36	2
	Generation and industrial boilers	33	42	9
<b>TOTAL</b>		<b>937</b>	<b>1115</b>	<b>178</b>



(1): Source: PRIMES, as quoted in table 22 (p. 66) of SWD(2016) 405 final (Impact Assessment accompanying the Proposal for a Directive of the European Parliament and of the Council amending Directive 2012/27/EU on Energy Efficiency; Part 1/3).  
Transport figures include investments in transport equipment for mobility purposes (e.g. rolling stock but not infrastructure) and energy efficiency. They exclude investments in recharging infrastructure.

# Energy refurbishment of buildings is a priority



(1): Depending on the country.

(2): Source: PRIMES. In billion EUR'10 / year.

- Buildings represent 40% of energy consumption and 36% of GHG emissions in the EU
- Only 0.4 - 1.2%<sup>(1)</sup> of the stock is renovated each year
- EUR 282 billion<sup>(2)</sup> shall be invested each year in buildings refurbishment to reach 2030 EU targets
- EUR 214 billion/year in the housing sector only (EUR 87 billion additional compared to projected spending volumes)

# PDA - Project Development Assistance

Call H2020-LC-SC3-EE-11-2018-2019-2020

- **Build** technical, economic and legal **expertise** needed for project development
- **Remove** legal, administrative and other market **barriers**
- **Aggregate** (pooling, bundling) **projects** to reach critical size
- **Mobilize private finance**
- All the main sectors (of urban planning) targeted
- **Investments launched** before end of the action!
- **1:15 leverage ratio**
- **Proposals from 1 single entity are eligible** - EU contribution 100%
- Budget 2019: EUR 6 million

Deadline: **3 sept. 2019**

# ELENA PDA – European Investment Bank

## Project promoters

(ex: regions, municipalities, fleet operators)



## Bankable projects in:

- Energy efficiency and distributed renewable energy
- Urban transport

**Budget in 2018?** EUR 35 million

## Size of investments?

> EUR 30 million

## Leverage ratio?

1:20 for energy projects

## EU contribution?

Max 90% of eligible costs

## How to apply?

Manage by the EIB. No calls.

Contact: [elena@eib.org](mailto:elena@eib.org)

# European City facility

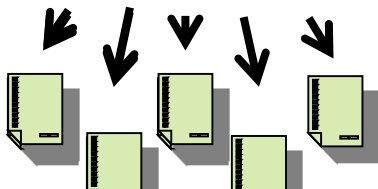
Call H2020-LC-SC3-EE-17-2019



**Financial support and services to municipalities** (or groupings)

**Via simplified “cascade funding”**

*(max. lump sum: EUR 60,000)*



**Mobilisation of investments**

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

**Develop** solid and innovative **investment concepts**

- 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.

Deadline: **5 Feb. 2019**

# Innovative financing for energy efficiency investments

Call H2020-LC-SC3-EE-9-2018-2019

- **Set-up new** innovative, operational **financing schemes**
  - *e.g. dedicated credit lines, guarantee facilities, on-bill or on-tax financing, etc.*
- **Replicate** previously successful **solutions**
  - *e.g. developed/implemented under various PDA facilities*
- **Establish** regional/national **aggregators** able to develop large (standardized) project pipelines
- **Create** EU or regional/national energy efficiency **investment roundtables/platforms**

Deadline: 3 sept. 2019

# Integrated Home Renovation Services

Call H2020-LC-SC3-EE-2-2018-2019



- Create, expand or replicate “one-stop-shops”
- Single entry point to cover the whole “customer journey”
  - *Incl. structuring and provision of finance*
- Facilitate the access of local professionals to final customers through strong and trustworthy partnerships

Deadline: **3 sept. 2019**



# Supporting public authorities to implement the Energy Union

Call H2020-LC-SC3-EE-16-2018-2019-2020

- Improved **monitoring and verification of energy efficiency savings** through enhanced coordination of different governance levels
- Development of **transition roadmaps** with clear path towards EU **2050** energy and climate targets
- **Innovative** ways to enable **public engagement** in the energy transition
- Large-scale and action-oriented **peer-to-peer learning** programmes for cities/regions, which deliver **public entrepreneurs** able to drive the energy transition
- Assisting Member States to fulfil their obligations under the **Energy Efficiency Directive**, supporting its implementation with existing effective practices and experiences

Deadline: **3 sept. 2019**

# ManagEnergy initiative

## Master Classes

- 8 high-quality trainings in sustainable energy (in Brussels) for energy agencies
- Expenses for selected participants covered
- [Applications open!](#)

## Expert Missions

- 21 coaching workshops in EE financing
- Costs for the experts covered by ManagEnergy
- [Applications open!](#)

## Website and events

- New Managenergy website
- Networking events for cooperation and exchange (first one June 2018)
- Public events ("[Managenergy Talks](#)")

# Sustainable Energy Investments Forums

- Series of **capacity building** and **networking** events at national and regional level in 15 Member States
- Objective: to **trigger large-scale investment** programmes and financing schemes
- **Upcoming:** [Financing energy efficiency in Germany, France and Austria](#) (5 Dec 2018, Frankfurt)





- Presentation of **funding opportunities** for 2019 call
- **Guidance** on 'How to prepare a good proposal'
- **Networking** and **matchmaking** with potential partners
- [Registrations open](#) until 18 January 2019

# More information

- H2020 participant portal

- LC-SC3-EE-2-2018-2019 topic description: <https://goo.gl/iZer9U>  
+ Dedicated Webinar: <https://youtu.be/83wFiDSirul>
- LC-SC3-EE-9-2018-2019 topic description: <https://goo.gl/rDZq21>
- LC-SC3-EE-11-2018-2019-2020 topic description: <https://goo.gl/nQqiqR>
- LC-SC3-EE-16-2018-2019-2020 topic description: <https://goo.gl/gqzV3C>
- LC-SC3-EE-17-2019 topic description: <https://goo.gl/RDrn7o>

- ManagEnergy website: [www.managenergy.eu](http://www.managenergy.eu)

- SEI Forums Webpage: <https://goo.gl/csmFQb>

- Proceedings from all events
- Webinar: “Financing Home Renovation in Europe”: <https://goo.gl/pWAucs>
- Webinar: “Home renovation in Europe: The User Perspective”: <https://goo.gl/bV3ENy>
- Webinar: “Renovation of Public Buildings in Europe”: <https://goo.gl/ejB1j4>



# EASME

Executive Agency for Small and Medium-sized Enterprises

## THANK YOU FOR YOUR ATTENTION

Find out more

<http://ec.europa.eu/research/horizon2020>

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