



#H2020Energy

# Horizon 2020 Work Programme for Research & Innovation 2018-2020

## EE11: Aggregation - Project Development Assistance

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B.1.3 H2020 Energy - Public Authorities, Energy  
Services and Financing

EASME

Research and  
Innovation



## PDA in a nutshell

- Started in 2011 under the Intelligent Energy Europe programme and continued under H2020
- Build capacity and a project pipeline across Europe
- **32 projects** funded triggering **>€771m** investments



**LC-SC3-EE-11-2018-2019 (expected 2020):  
Aggregation - Project Development Assistance**

## What?

- Launch of concrete sustainable energy investment projects
- Building technical, economic and legal expertise

## Who?

- Public and private project promoters (e.g. public authorities or their groupings, public/private infrastructure operators and bodies, energy service companies, retail chains, large property owners and services/industry)
- **Proposals from 1 single entity are eligible!**

## Sectors targeted?

- Existing public & private buildings including social housing
- Street lighting
- Water / Wastewater services
- Retrofitting of existing district heating/cooling
- Industry and services
- Urban Transport

## Main features?

- **Lead to investments launched before end of the action** (i.e. signed contracts for sustainable energy investment – e.g. construction work, energy performance contract, turnkey contracts)
- **Every million Euro of H2020 support should trigger investments worth at least EUR 15 million (1:15)**
- Have an exemplary/showcase dimension in their ambition (i.e. reduced energy consumption and/or investment size)
- Deliver **organisational innovation in financial engineering** (e.g. on-bill financing schemes, guarantee funds, factoring funds) **and/or mobilisation of investment programme** (e.g. bundling, pooling, stakeholder engagement)
- Demonstrate high degree of **replicability** and include clear action plan to communicate experiences/results across EU towards potential replicators
- Build on the experiences from previous PDA

## 'Investment costs' refers to

- Investments which are directly related to or required for energy savings and/or renewable energy generation (“**energy investment costs**”)
- **Other measures should not be included** in the proposed investments
- For example in a building refurbishment:
  - energy costs could include changing windows, insulating the façade and painting it after insulation,
  - but not painting the hallways or changing the bath tub.
- Investment costs should **include VAT only for entities which cannot reclaim it**

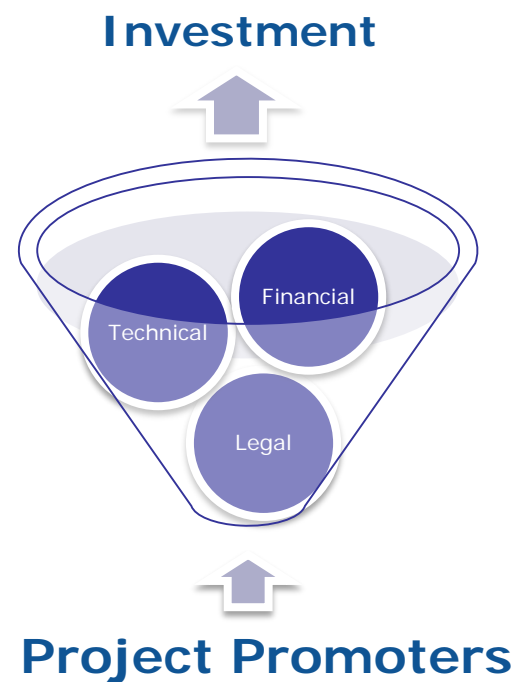
**Size of investment portfolio: EUR 7.5 million – EUR 50 million**  
**Large scale investment projects: see [ELENA programme](#)**

## Examples of activities

✓ 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



# How to prepare a convincing proposal?



# Organisational innovation

- Innovation in the **mobilisation of investment programme**: bundling, pooling, framework contracts, stakeholder engagement, community finance...
- **Innovation in the financial engineering**: alternatives to traditional financing (by public authorities: direct financing or subsidies)
  - Soft loans; Energy performance contracting (with third-party financing); Public ESCO's; Investment funds on energy efficiency (Jessica / ERDF...); on-bill or on-tax finance; or anything relevant!
- Innovation can also mean: new target sectors, higher levels of ambition (e.g. EPC's for low-energy retrofitting of buildings)

## Credibility

- You should demonstrate **sufficient project maturity** (starting point)
- The final beneficiaries (signing the investment contracts) should be involved



# Implementation method: Procurement aspects

- Procurement is essential in most PDA projects:
  - Services (subcontractors) for the PDA, works or turnkey contracts (investments)
- **Inform the market** in advance – you will get more offers
- **Prepare financing solutions** in case of third-party financing:
  - Inform the banking and financial sector, Secure the participation of public financial institutions (EIB, EEEF, EBRD...)
- Bundling projects and **joint procurement**: plan how you will work
- Guide on Innovation through Sustainable Procurement: [www.smart-spp.eu/index.php?id=7633](http://www.smart-spp.eu/index.php?id=7633)

# Impacts: investments

- **Impact indicators:** € invested (incl. leverage), saved energy, RES production, capacity building
- Investments must be described with **sufficient precision**
- Clarify the **evidence provided for the investments**

Table 2.1a: Detailed description of the proposed investments

<i>Investment sector: (please specify)</i>											
#	Location (area, town...)	Type of investment	Description of the investment	Quantification	Total surface (m <sup>2</sup> )	Current energy consumption	Energy savings (%)	Renewable energy production (MWh/year)	Other quantifications	Payback time	Energy investment costs (thousands €)
1											
2											
...											
	<b>Total/average</b>										

## More information and help

- EASME Energy Efficiency webpage: <http://ec.europa.eu/easme/en/energy>
- Public workshop on innovative financing for energy efficiency and renewables (28 April 2015): <http://bit.ly/1Ohtl42>
- Innovative financing for energy efficiency and renewables: feedback from successful projects (8 October 2014): <http://bit.ly/1G7tMXC>
- Innovative financing solutions: experiences from Intelligent Energy Europe projects (2-3 April 2014): <http://bit.ly/1G9L9VQ>



## 10 PDA projects

- supported under Horizon 2020 since 2014
- 2014 PDA projects: <http://europa.eu/!Mj83GK> (EE-11-2014)
- 2015 PDA projects: <http://europa.eu/!hX94qJ> (EE-11-2015)
- 2016 PDA projects: <http://europa.eu/!nd94rd> (EE-22-2016)

## 22 MLEI projects

- supported under Intelligent Energy Europe from 2011-2013
- <https://ec.europa.eu/easme/sites/easme-site/files/mlei-projects-2011-12.pdf>



**For all questions:**  
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[http://ec.europa.eu/research/participants/portal/desktop/en/support/national\\_contact\\_points.html](http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html)

# Thank you!

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