



EL PARTNER
TECNOLÓGICO

R&D Financing instruments at European level

International Projects Office
2016

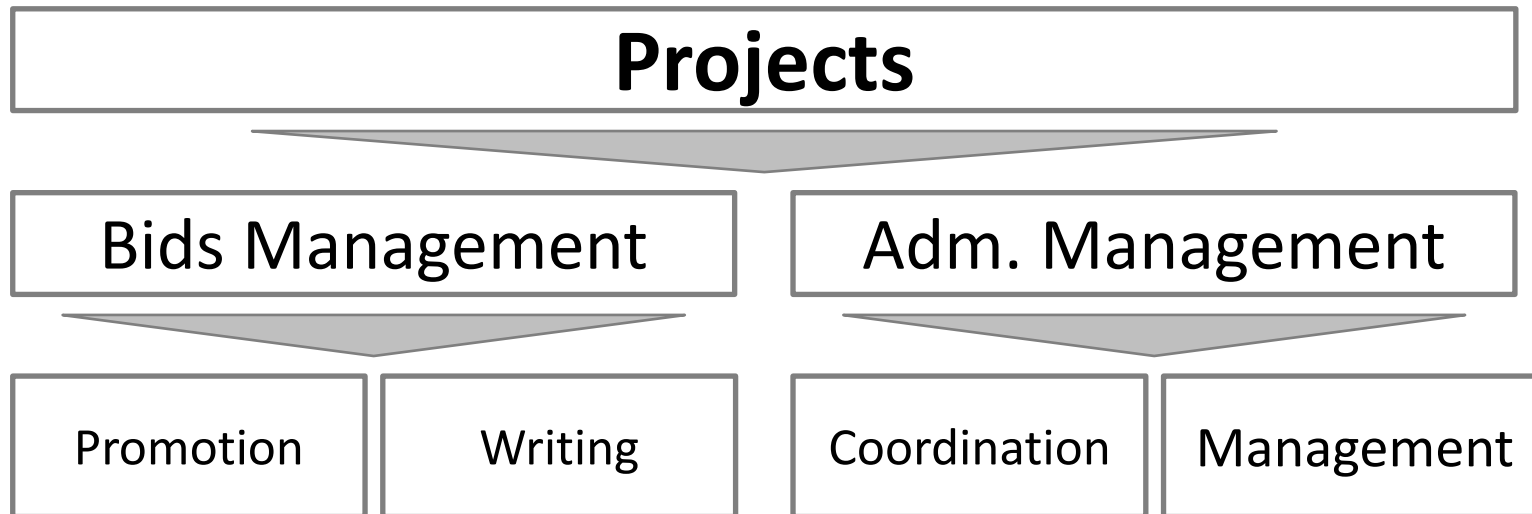
Laia Piñol

International Project Manager - Environment



International & National project office

A Team at your support



28 People:

- 11 - International Projects
- 6 – National Project
- 6 – Administrative management
- 5 – Project coordination

+ Specialization

+ Resources

+ Efficiency

For a better Support

INTERNATIONAL

Biotechnologies

Environment



Food security & Blue growth

Marine, maritime and coastal affairs



Energy and Manufacturing

Construction & Energy efficiency

Nanotechnologies



Health



Space

Transport & Aeronautics



ICT & Smart Systems

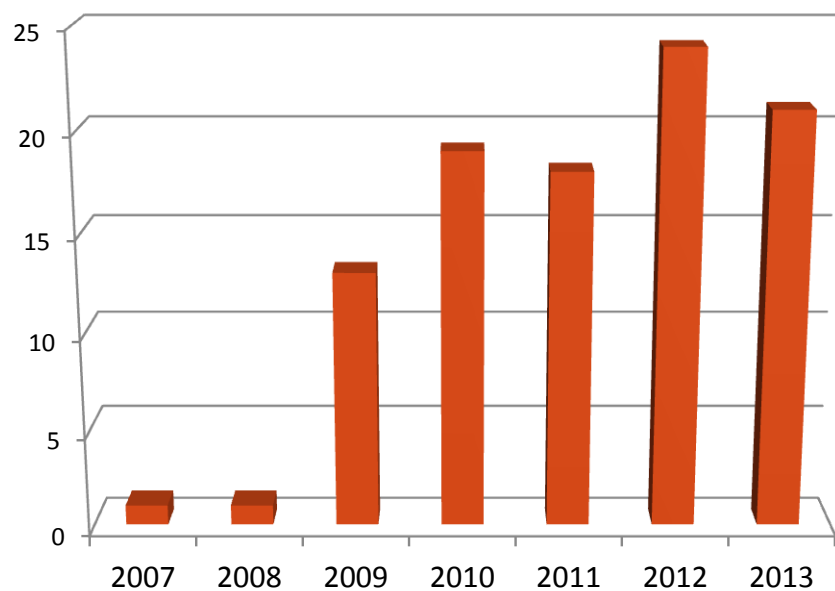




International Project - Numbers (2007 – 2016)

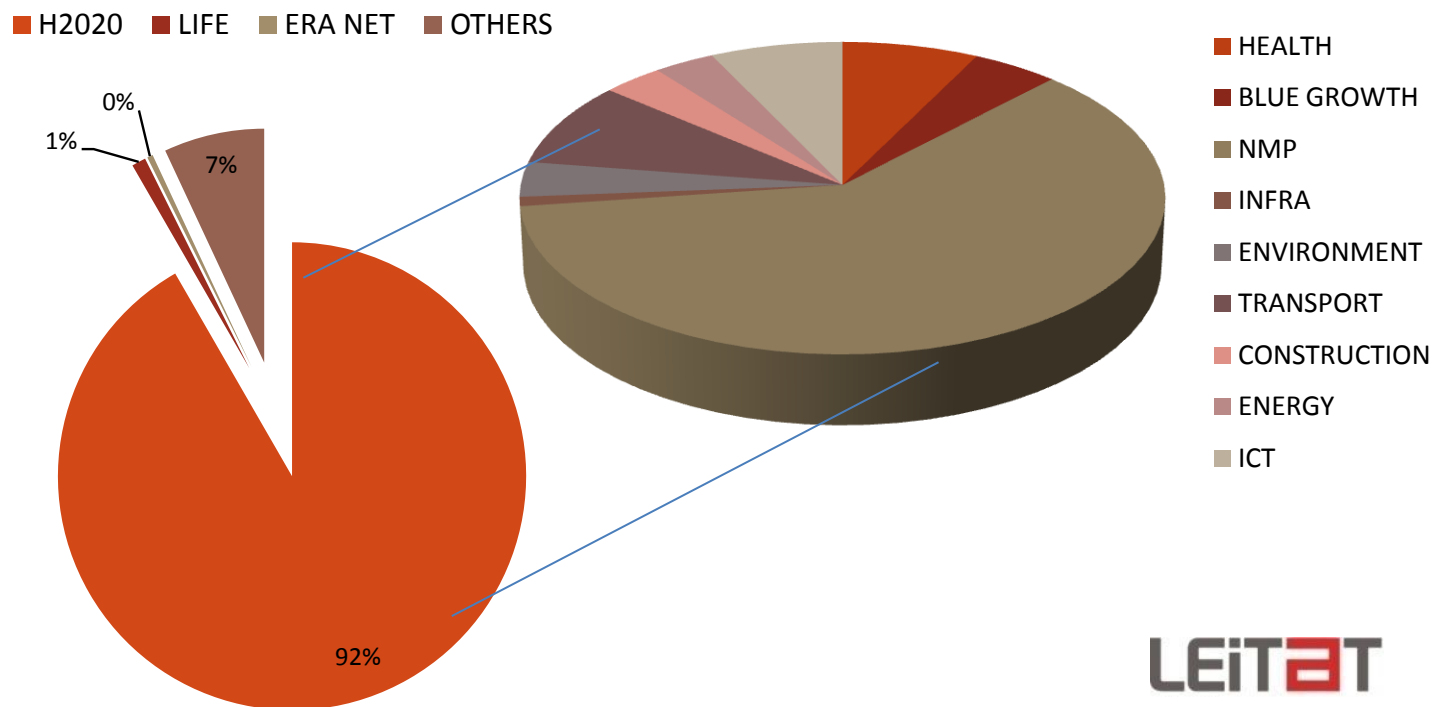
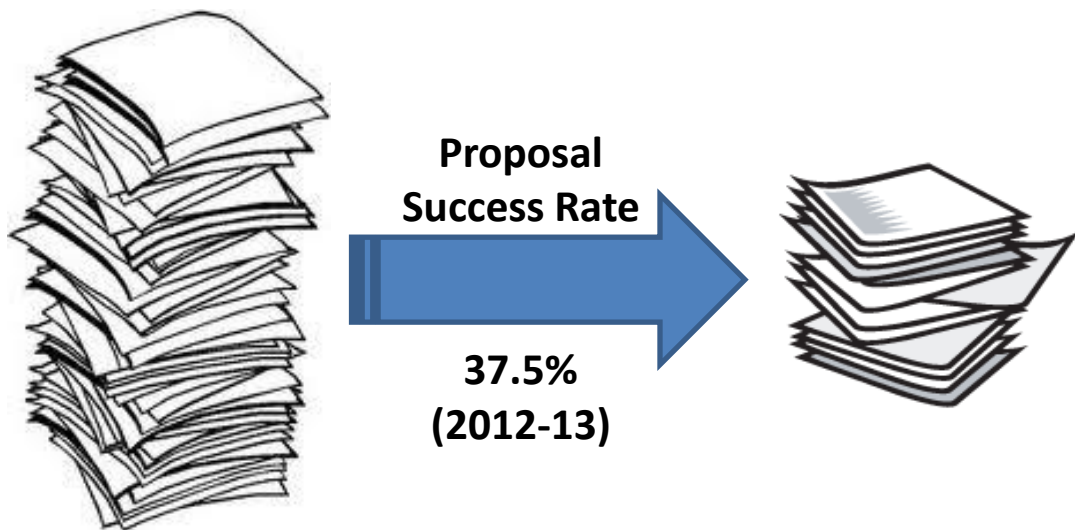
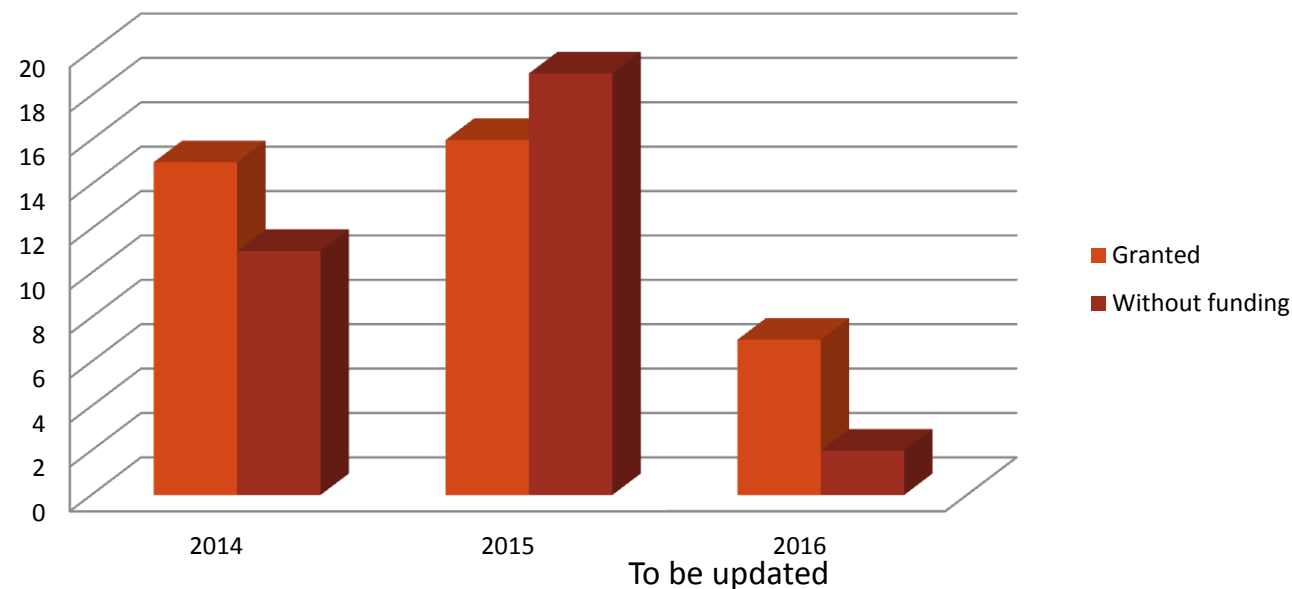


Number of EU projects (FP7)



Number of EU projects (H2020)

Total = 25 projects (participation+coordination)





R&D FINANCING INSTRUMENTS AT EUROPEAN LEVEL



THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

Work programs: 2014-2015, 2016-2017, 2017-2018



H2020 Sections

Excellent Science

- *European Research Council*
- *Future and Emerging Technologies*
- *Marie Skłodowska-Curie actions*
- *Research Infrastructures, including e-Infrastructures*

Industrial Leadership

- *Leadership in Enabling and Industrial Technologies*
 - *Information and Communication Technologies*
 - *Space*
 - *Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology*
- *Access to risk finance*
- *Innovation in SMEs*

Societal Challenges

- *Health, Demographic Change and Wellbeing*
- *Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy*
- *Secure, Clean and Efficient Energy*
- *Smart, Green and Integrated Transport*
- *Climate Action, Environment, Resource Efficiency and Raw Materials*
- *Europe in a changing world - Inclusive, innovative and reflective societies*
- *Secure societies – Protecting freedom and security of Europe and its citizens*

Spreading Excellence and Widening Participation

Science with and for Society

Cross-cutting activities (focus areas)

Fast Track to Innovation Pilot

European Institute of Innovation and Technology (EIT)

Euratom

Smart Cyber-Physical Systems



❖ SME INSTRUMENT

SME instrument addresses the financing needs of internationally oriented SMEs, in implementing high-risk and high-potential innovation ideas. It aims at supporting projects with a European dimension that lead to major changes in how business (product, processes, services, marketing etc.) is done.

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-sme_en.pdf



Phased Support

Feasibility assessment (phase 1)

Exploring and assessing the technical feasibility and commercial potential of a breakthrough innovation that a company wants to exploit and commercialize.

Amount of funding: lump sum of €50,000

Duration: typically around 6 months

Outcome:

A feasibility study (technical and commercial), including a business plan.

Innovation project (phase 2)

Innovation projects underpinned by a sound and strategic business plan.

Activities funded : prototyping, miniaturisation, scaling-up, design, performance verification, testing, demonstration, development of pilot lines, validation for market replication, including other activities aimed at bringing innovation to investment readiness and maturity for market take-up.

Amount of funding: in the indicative range of €500,000 – €2.5 million or more (covering up to 70% of eligible costs, or in exceptional, specific cases up to 100%).

Duration: typically around 1 to 2 years

Outcomes:

- a new product, process or service that is ready to face market competition;
- a business innovation plan incorporating a detailed commercialisation strategy and a financing plan



❖ INNOVATION SUPPORT (INNOSUP)

Cascade funding

*Action to develop the ecosystem of innovation support to SMEs in Europe
A strong rationale exists for public support to SMEs' innovation activities in
order to overcome market failures specific to SMEs and to fully realize their
growth potential*

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-sme_en.pdf



HORIZON PRIZE

<https://ec.europa.eu/research/horizonprize/>

Social innovation

Prize: €2 million

The challenge of ageing population to be tackled with the first Horizon Prize for Social Innovation

Materials for clean air

Prize: €3 million

The contest has been launched and you can apply from 26 January 2017 until 23 January 2018.

▷ [Rules & Guidance](#)

Photovoltaics meets history

Prize: €750 000

The contest has been launched and you can apply until 26 September 2018.

▷ [Rules & Guidance](#)

▷ [Start Submission](#)

Engine retrofit for clean air

Prize: €1.5 million

The contest has been launched and you can apply until 12 September 2017.

▷ [Rules & Guidance](#)

▷ [FAQs](#)

▷ [Start Submission](#)

Cleanest engine of the future

Prize: €3.5 million

The contest has been launched and you can apply until 20 August 2019.

▷ [Rules & Guidance](#)

▷ [FAQs](#)

▷ [Start Submission](#)

Birth day prize

Prize: €1 million

The contest has been launched and you can apply until 6 September 2017.

▷ [Rules & Guidance](#)

▷ [FAQs](#)

▷ [Start Submission](#)

CO₂ reuse prize

Prize: €1.5 million

The contest has been launched and you can apply until 3 April 2019.

▷ [Rules & Guidance](#)

▷ [Start Submission](#)

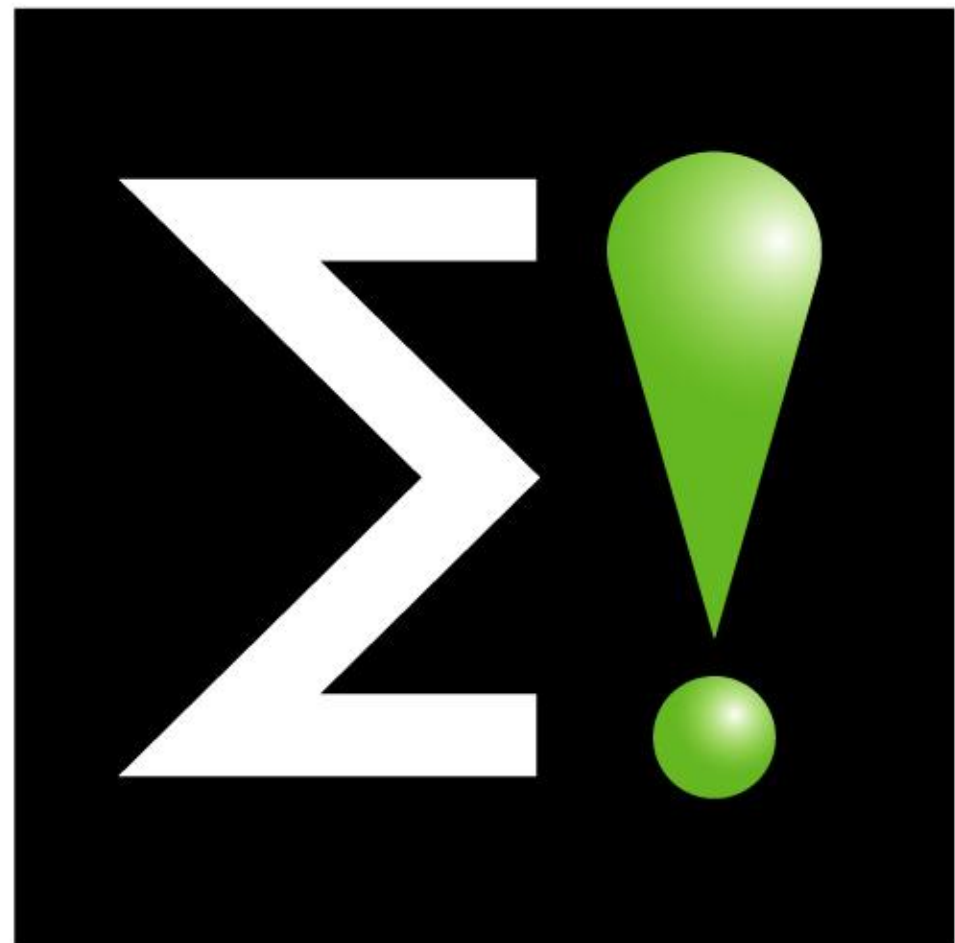
Low carbon hospital

Prize: €1 million

The contest has been launched and you can apply until 3 April 2019.

▷ [Rules & Guidance](#)

▷ [Start Submission](#)



EUREKA

<http://www.eurekanetwork.org/>



EUREKA Σ !
innovation across borders

Open call

EUREKA FUNDING DETAILS IN YOUR COUNTRY

- 1 an intergovernmental network established in 1985
- 2 a leading facilitator of innovation, providing a proven platform for international R&D&I cooperation
- 3 EUREKA promotes and supports market-oriented international R&D&I project generation.
- 4 EUREKA facilitates access to finance for companies involved in its projects.

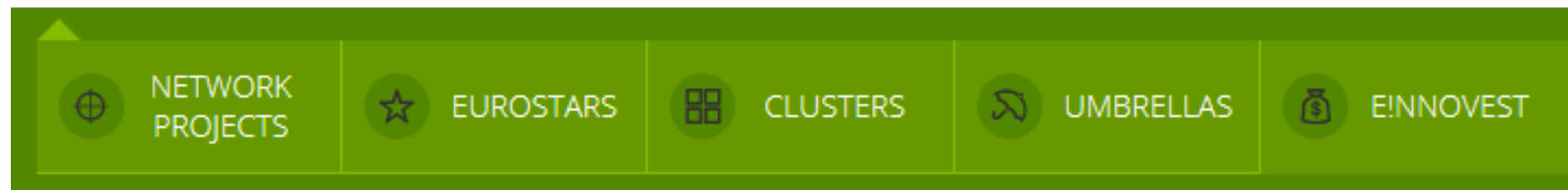


SME + LE



EUREKA is a publicly-funded, intergovernmental network, involving over 40 countries. EUREKA's aim is to enhance European competitiveness by fostering innovation-driven entrepreneurship in Europe, between small and large industry, research institutes and universities.

EUREKA ensures that any R&D project with a good business plan receives the support it deserves, independent of its technological nature, or the type of organisations involved



- **Network Projects**
- **EUREKA Clusters:** *Comprised of experts from science and industry as well as representatives of national funding institutions*
- **EUREKA Umbrellas** are an association of at least five **national thematic networks** in a specific field of technology or service. Umbrellas are comprised of experts from science and industry as well as representatives of national funding institutions.
- **EUREKA InnoVest Programme:** *boost the investment awareness and readiness of EUREKA innovative SMEs*



EUROSTARS

<https://www.eurostars-eureka.eu/>



EUROSTARS FUNDING DETAILS IN YOUR COUNTRY





AIM

European funding and support programme specifically dedicated to support the niche market of research-performing SMEs in their innovative R&D projects:

- bottom-up approach
- Stimulation international collaborative research and innovation projects, rapidly commercialized

NEXT CUT-OFF DATES:

- 2nd March 2017
- 14th September 2017

Eurostars is co-funded from the national budgets of 36 Eurostars countries and by the European Union through Horizon 2020



Type of organisation	Funding % of eligible costs	Maximum Financial Support (in €)	Additional information
SME	Up to 60%		Specific tasks could reach 80% if they are applied research
LARGE COMPANY	Up to 40%		Specific tasks could reach 65% if they are applied research
UNIVERSITY			Funded if subcontracted by a participant company
RESEARCH ORGANISATION			Funded if subcontracted by a participant company
OTHER			Funded if subcontracted by a participant company



LIFE PROGRAMME



For LIFE, for the period 2014-2017, the *co-financing rate is 60%*, except in cases where a project focuses on concrete conservation actions for priority species or habitat, where co-financing can, under certain conditions, increase to 75%.

		LIFE 2016	
		Environment	Climate Actions
Traditional projects	15 Sep	LIFE Nature and Biodiversity: <i>best practice, pilot and demonstration projects that contribute to the implementation of the Birds and Habitats Directives and the Union Biodiversity Strategy to 2020, and the development, implementation and management of the Natura 2000 network.</i>	7 Sep LIFE Climate Change Mitigation: <i>best practice, pilot and demonstration projects that contribute to the reduction of green house gas emissions.</i>
	12 Sep	LIFE Environment & Resource Efficiency: <i>pilot and demonstration projects linked to a range of environmental policy and legislation, including with respect to the link between the environment and health, and in support of the Roadmap to a Resource Efficient Europe.</i>	7 Sep LIFE Climate Change Adaptation: <i>best practice, pilot and demonstration projects that contribute to supporting efforts leading to increased resilience to climate change</i>
	15 Sep	LIFE Environmental Governance & Information: <i>information, awareness and dissemination projects to promote awareness raising on environmental matters, including generating public and stakeholder support</i>	7 Sep LIFE Climate Governance and Information: <i>information, awareness and dissemination projects that promote awareness raising on climate matters, including generating public and stakeholder support</i>

60-75%

EASME - Executive Agency for SMEs



Projects by theme

- Nature, Biodiversity
- Environment →
- Climate Action
- Info, Governance

LIFE ENVIRONMENT & RESOURCE EFFICIENCY (SUB-PROGRAMME FOR ENVIRONMENT)

*co-finance action grants
for **pilot and demonstration projects** to develop, test
and demonstrate policy or management approaches,
best practices and solutions to environmental
challenges, suitable for being replicated, transferred or
mainstreamed and **in support of resource efficiency-
related policy and legislation***



1) PRIVATE FINANCE FOR ENERGY EFFICIENCY (WITH EUROPEAN INVESTMENT BANK)

AIM

- to increase private financing for investments in energy efficiency enhancing projects
- to support Member States in making progress in view of the EU's agreed targets on energy efficiency

The PF4EE will combine lending from the EIB (European Investment Bank) to financial intermediaries with protection against losses associated with making loans for energy efficiency projects.

TARGET

- private investors in Member States investing into energy efficiency enhancing projects.
- SMEs and private individuals (e.g. house or hotel owners)
- small municipalities or other public sector bodies undertaking small energy efficiency investments

LOAN

- range between €40,000 up to €5 million and higher in exceptional cases.

CONCLUSIONS

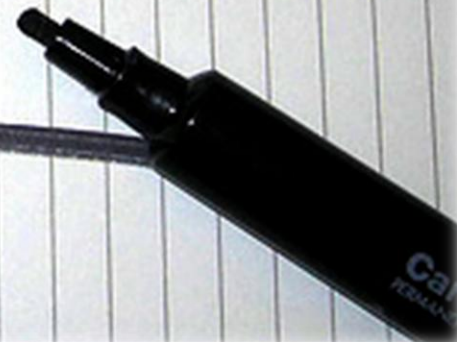
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Questions?



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innpulso

Ciudad de la Ciencia
y la Innovación

Ministerio de Ciencia e Innovación



SOCIAL NET:



THANK YOU FOR YOUR ATTENTION

LEITAT | Technological
Center
managing your technologies member of **TECNIO**

R&D Financing instruments at European
level

05/12/2016