



**Synergies between ESIF  
And Research and Innovation Funding:  
The Stairway to Excellence**

**6 April, Ljubljana**

**Synergies in Funding  
Energy and Smart City Activities**



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- **Smart Specialisation**
- **EMA Network**

# Overview



European Commission

### European Structural and Investment Funds

ERDF

Cohesion Fund

ESF

EAFRD

EMFF

Vehicles

CLLD

ITI

Financial Instruments

### European Funding Programmes

LIFE

Urban Innovation Actions

URBACT III

CIVITAS Activity Fund

Territorial Cooperation

Horizon 2020

### Grants

Financial Instruments Advisory (fi-compass)

### Project Development Assistance

ELENA EIB

ELENA KfW

Horizon 2020 Call EE22

JASPERS

EIAH

### Financial Institutions Financing

EFSI

Municipal Loans

Deep Green (PF4EE)

NCFE

EEEF

### Loans & Guarantees

### Alternative Financing Schemes

EPC

Crowd-Funding

Soft Loans, Guarantees

Revolving Loan Funds

On Bill Financing

### Other

## General considerations

- Have a **clear idea** about your project!
- First question: **grant or loan/guarantee?**
- Different programmes
  - different thematic scopes, scales, funding/financing mechanisms
  - **Covenant of Mayors Quick Reference Guide**  
<http://goo.gl/s2TnPc>
- Project examples
  - [http://ec.europa.eu/regional\\_policy/en/projects](http://ec.europa.eu/regional_policy/en/projects)
  - <https://eu-smartcities.eu/eu-projects>

# Grants

European Structural and Investment Funds (ESIF)

# European Structural & Investment (ESI) Funds

- **Budget: € 456,6 billion, 2014-2020**
- **Cities can spend directly 5% of the funds on urban development**
- **Principles for sound delivery of projects:**
  - **Use the technical assistance programmes**
  - **Leverage peer-to-peer exchanges (e.g. Covenant of Mayors, CIVITAS, Green Digital Charter, etc.)**
  - **Work across administrative boundaries and national borders**
  - **Make use of sustainable urban plans to set a strategic frame to projects**

## Project example: **District Heating, Iasi, Romania**

- Upgrading the **district heating system** in the Iasi municipality to EU requirements this project will **rehabilitate the existing urban heating plants and heat supply networks.**
- **Theme:** Urban development  
**Fund:** European Regional and Development Fund (ERDF)  
**Total Investment:** € 61.237.712  
**EU contribution:** € 30.618.856
- **More information:**  
[http://ec.europa.eu/regional\\_policy/en/projects/romania/the-rehabilitation-of-the-district-heating-system-in-iasi-municipality](http://ec.europa.eu/regional_policy/en/projects/romania/the-rehabilitation-of-the-district-heating-system-in-iasi-municipality)



# Grants

European Funding Programmes – Horizon 2020

# Horizon 2020 Lighthouse Projects

- **Low energy districts**
- **Integrated infrastructures**
- **Sustainable urban mobility**

## Conditions

- Consortia: industry & cities
- 2-3 cities involving  
2-3 follower cities
- Part of ambitious urban plan
- Funding from other parts secured
- Affordable solutions



## Horizon 2020 Smart City calls

- **Other topics:**
  - nature based solutions
  - new governance, business and financing models
  - sustainable urbanisation
- **€ 231.5 million** foreseen for all topics, out of which **€ 131.5 million for lighthouse projects** in 2016 and 2017
- **More info:**  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-scc-2016-2017.html>

## Project example: **Replicate** (2015 call)

- **EU contribution: € 25,4 million**
- **Impacts**
  - **58.750 m<sup>2</sup> of nZEB (696 houses)**
  - **Up to 90% energy savings in buildings**
  - **About € 158 million invested → leverage factor 6,5**
- **Success factors**
  - **Very good balance and integration between the 3 domains**
  - **Very good data handling (→ collection and processing)**
  - **Lots of innovative and ambitious actions**
  - **Direct follow-up of an integrated planning project → realisation of that plan within Replicate**
- **36 partners / lighthouse cities: San Sebastian, Florence, Bristol / follower cities: Essen, Lausanne, Nilufer**

# Grants

**Project Development Assistance (PDA)**

## Technical Assistance – ELENA

**Tangible investment during project duration (leverage factor 20)**

**Payback clause: funding is conditional to investment**

### **Project Development Assistance**

- > 96 projects signed**
- > €100 million grants**
- > € 4,8 billion investments**

**Limited duration**

**Technical Assistance Grant up to 90% of eligible costs**

**More info: <http://www.eib.org/products/advising/elena/index.htm>**

## Project example: **London RE:FIT**

**€ 2,8m**

**EIB-ELENA  
Grant for ...**

- Programme Delivery Unit
- Support the London Public sector to retrofit public buildings
- Use of Energy Performance Contracts

**400**

**Buildings  
retrofitted  
or in the  
process:**

- Office buildings
- Schools
- Libraries
- Civic centres
- Hospitals
- Cultural centres
- Hostels/day centres
- Universities & colleges
- Fire & Police stations
- Community buildings
- Leisure centres
- etc. ...

**30.000t  
CO<sub>2</sub>**

**tonnes CO<sub>2</sub>  
saved per  
year**

**€ 6m**

**energy  
savings per  
year**

**€ 64m**

**capital  
investment**

# Other Financing Schemes

## The Example of Lyon Smart Community



# Lyon Smart Community

- **First sustainable and zero emission district**
- **Area of 150 ha – homes, buildings and transportation**



- **Success factors**
  - **New tramway into the not yet developed district**
  - **Highly visible CONCERTO project in the same district**
  - **Investment of € 50 million for Toshiba's positive energy building block as a perfect real-world test environment**
- **Result: estimated € 1.2 billion private investments**

More info (FR): <http://www.grandlyon.com/projets/lyon-smart-community-confluence.html>

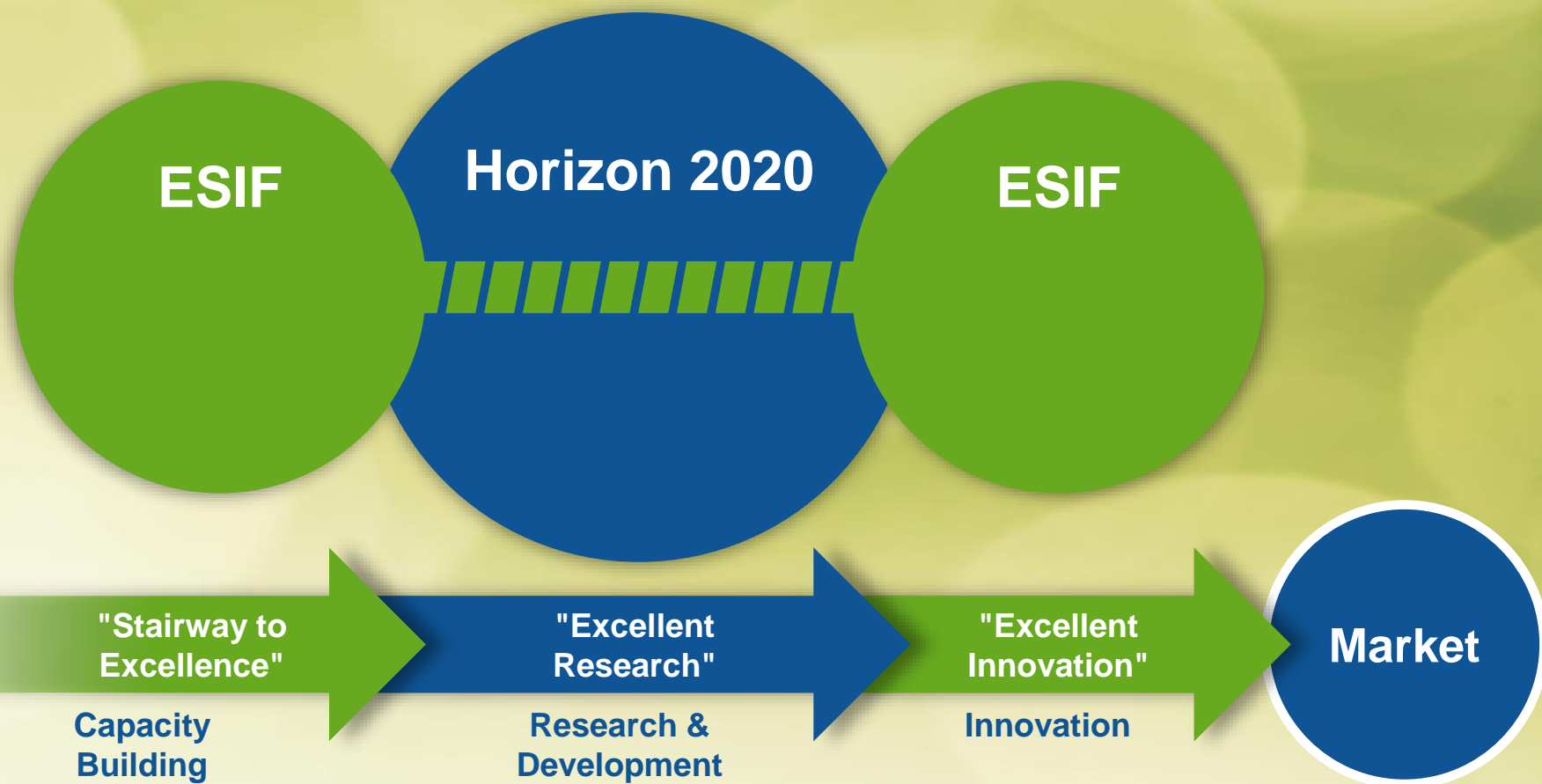
# Regional Policy

# Budget distribution 2014-2020

€ 456,6  
billion

			Billion €
<b>Cohesion fund</b>			<b>63,4</b>
<b>Less developed regions</b>			<b>179,4</b>
<b>Transition regions</b>			<b>35,9</b>
<b>More developed regions</b>			<b>56,7</b>
<b>Outermost and northern sparsely populated regions</b>			<b>1,6</b>
<b>European Territorial Cooperation</b>			
<i>Out of which for</i>	<i>cross-border cooperation</i>	6,6	<b>9,2</b>
	<i>transnational cooperation</i>	2,1	
	<i>interregional cooperation</i>	0,5	
<b>Youth Employment Initiative</b>			<b>3,2</b>
<b>Rural development</b>			<b>99,6</b>
<b>European Maritime and Fisheries Fund (EMFF)</b>			<b>5,7</b>
<b>Urban innovative actions</b>			<b>0,4</b>
<b>Technical assistance</b>			<b>1,5</b>

## Synergies through sequential or parallel projects





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# Smart Specialisation

## Smart Specialisation Strategies (S3)

- build on national or regional innovation strategies.
- build competitive advantage by developing and matching research and innovation strengths with business needs to address emerging opportunities and market developments in a coherent manner.
- aim at avoiding duplication and fragmentation of efforts already covered by national or regional research and innovation (R&I) strategic policy frameworks, for example.

# S3 platform

7. Research  
agenda

1. The RIS3  
methodological guide  
& the digital agenda  
toolbox

6. Interactive  
tools, S3  
newsletter and  
Website

2. Transnational  
learning, peer  
review & thematic  
workshops

5. Inter-regional  
collaboration

3. Country- and  
macro-region  
events

4. RIS3 assessment  
and support to  
REGIO desks; ICT  
experts



## S3 platform – continued

Own peer review methodology with 18 workshops in three years:  
→ 53 peer reviewed regions and 16 peer reviewed countries

The Eye@RIS3 tool provides a mapping of regions' and Member States' intentions in terms of smart specialisation fields allowing to detect possible partners: <http://s3platform.jrc.ec.europa.eu/map>

It has been consulted 57.000 times in 2014!

The emerging fields of specialisation are

- Energy  
(= top priority in 2/3 of all regions)
- Life science
- ...

Special S3  
platform  
for Energy



# S3 Platform for **Energy** (S3P-ENERGY)

Launched in May 2015.

## Objectives

- Optimal use of the Cohesion Policy funds for sustainable energy
- Support energy innovation at all levels and their alignment with EU priorities



# EMA Network

# Energy & Management Authorities (EMA) Network

- **Support to authorities in charge of the implementation of the energy related national programmes within the 2014-2020 cohesion policy,**
- **Informal platform for exchange of information, good practices, experiences and latest developments,**
- **dedicated working groups for specific issues,**
- **Energy and Managing Authorities from each member State and participants from EU institutions and experts in various fields as appropriate.**



# Thank you!

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Get involved at <http://eu-smartcities.eu>!



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# Annex

# Acronyms

<b>CEF</b>	<b>Connecting Europe Facility</b>
<b>CF</b>	<b>Cohesion Fund</b>
<b>CLLD</b>	<b>Community-led Local Development</b>
<b>EAFRD</b>	<b>European Agricultural Fund for Rural Development</b>
<b>EEEF</b>	<b>European Energy Efficiency Fund</b>
<b>EFSI</b>	<b>European Fund for Strategic Investments</b>
<b>EIAH</b>	<b>European Investment Advisory Hub</b>
<b>EMFF</b>	<b>European Maritime and Fisheries Fund</b>
<b>EPC</b>	<b>Energy Performance Contracting</b>
<b>ERDF</b>	<b>European Regional and Development Fund</b>
<b>ESF</b>	<b>European Social Fund</b>
<b>ITI</b>	<b>Integrated Territorial Investments</b>
<b>PF4EE</b>	<b>Private Finance for Energy Efficiency</b>
<b>NCFF</b>	<b>Natural Capital Financing Facility</b>

## Useful links

<b>ELENA</b>	<a href="http://www.eib.org/products/advising/elena/index.htm">http://www.eib.org/products/advising/elena/index.htm</a>
<b>European Energy Efficiency Fund</b>	<a href="http://www.eeef.eu/home.html">http://www.eeef.eu/home.html</a>
<b>European Fund for Strategic Investments</b>	<a href="http://www.eib.org/efsi/index.htm">http://www.eib.org/efsi/index.htm</a>
<b>European Investment Advisory Hub</b>	<a href="http://www.eib.org/eiah/index.htm">http://www.eib.org/eiah/index.htm</a>
<b>European Investment Project Portal</b>	<a href="https://ec.europa.eu/priorities/european-investment-project-portal-eipp_en">https://ec.europa.eu/priorities/european-investment-project-portal-eipp_en</a>
<b>European Structural &amp; Investment Funds</b>	<a href="https://cohesiondata.ec.europa.eu">https://cohesiondata.ec.europa.eu</a>
<b>FI-Compass</b>	<a href="https://www.fi-compass.eu">https://www.fi-compass.eu</a>
<b>INTERREG Europe</b>	<a href="http://www.interreg4c.eu/interreg-europe">http://www.interreg4c.eu/interreg-europe</a>
<b>JASPERS</b>	<a href="http://www.jaspers-europa-info.org">http://www.jaspers-europa-info.org</a>
<b>JESSICA</b>	<a href="http://ec.europa.eu/regional_policy/en/funding/special-support-instruments/jessica">http://ec.europa.eu/regional_policy/en/funding/special-support-instruments/jessica</a>
<b>LIFE Programme</b>	<a href="http://ec.europa.eu/environment/life/about">http://ec.europa.eu/environment/life/about</a>
<b>URBACT III</b>	<a href="http://www.urbact.eu">http://www.urbact.eu</a>
<b>Urban Innovation Actions</b>	<a href="http://ec.europa.eu/regional_policy/sources/activity/urban/urban_innovative_actions.pdf">http://ec.europa.eu/regional_policy/sources/activity/urban/urban_innovative_actions.pdf</a>