European Commission

Smart Cities and Communities

Call for Proposals 2016 & 2017

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European Commission

15/10/2015

Paris

Smart and Sustainable Cities Focus Area: Overview

European Commission

	Instrument	Recommended EU-Fund/project MEur	Total Budget (MEur)	
			2016	2017
Smart Cities and Communities				
SCC1 Smart Cities and Communities Lighthouse Projects	IA	12-18	60.5	71.5
Sustainable Cities through Nature-Based Solutions				
SCC2 Demonstrating innovative nature-based solutions in cities	IA		40	40
SCC3 New Governance, business financing models and economic impact assessment tools	RIA	7.5	15	
SCC 4 Sustainable urbanisation	ERA-NET Cofund	5	5	

Why Smart Cities and Communities?

- 72% of EU population lives in urban area consuming 70% of our Final energy consumption
- Improving quality of live, competitiveness and sustainability
- Exporting European knowledge in a strong growth market estimated globally at €1.3 trillion in 2020

SCC1 Topic in call 2016 & 2017

SCC1 - Specific Challenge

- **Sustainable, cost-effective and replicable** district-scale solutions at the intersection of energy, transport enabled by ICT
- **Intelligent, user-driven and demand-oriented** city infrastructure and services
- **'Lighthouse project'** approach continued

Scope: projects should cover

A city can be funded as a lighthouse city only once under Horizon2020!

- Large districts of buildings
- Smart management of electricity, heat, cold, gas, storage or other grids
- Low carbon ICT systems
- Electromobility *

Links with Sustainable and Integrated Urban Development Strategies in ESIF**

* Directive 2014/94 on the deployment of alternative fuels infrastructure

** A minimum of 5 % of the ERDF resources allocated to each Member State shall be invested in the implementation of integrated strategies for sustainable urban development.

Scope: projects should

- Address concrete urban challenges identified by urban authorities
- Industry, public authorities, research communities, SMEs, citizens, municipality
- Performance monitoring during at least 2 years (during project's life)
- Convincing replication and investment plans
- Resources to deliver a replication plan for the follower cities
- Clear roles for all cities and partners
- Open data and interoperability
- Well-balanced geographical coverage of lead and follower cities
- Contribute to long term data collection

Scope: each project must

- Be realised in **3 new lighthouse** cities that are situated in different EU Member states or associated countries.
- Involve **at least 3 follower cities** from at least 3 different EU Member states or associated countries (that are different also from the countries of the lighthouse cities of the project).

Each Lighthouse city must

- Have a Sustainable Energy Actions Plans approved by the Covenant of Mayors initiative

Scope: non-eligible costs

- Costs of construction (including scale of unit costs),
- Costs of retrofitting (including scale of unit costs),
- Cost of purchasing electric vehicles,
- Costs of acquisition of standard ICT tools, conventional RES and their mounting
- Insulation of the building envelope, good windows; heat pumps, and other appliances

Scope: eligible Costs

Innovative aspects such as:

- Integration of storage with all grids
- Smart building management
- Smart integration of the electricity grid with RES & storage
- Smart integration of RES
- Integrated approaches and testing of "business" models for the local production and distribution of electricity together with electric vehicle fleets
- Smart electricity, heat or cold storage and its management for maximising self-consumption
- ICT platforms based on open specifications
- Economic research and development of new business models that avoid lock-in situations
- Training and education within and between cities

Impact (! *1.5)

- Increase Energy Efficiency at district scale
- Increase share of renewables and their integration
- Increase local air quality
- Reduce technical and financial risks
- Security, stability, affordability
- Roll-out of electric vehicles
- Reduce emissions from transport
- Create links and cooperation between cities

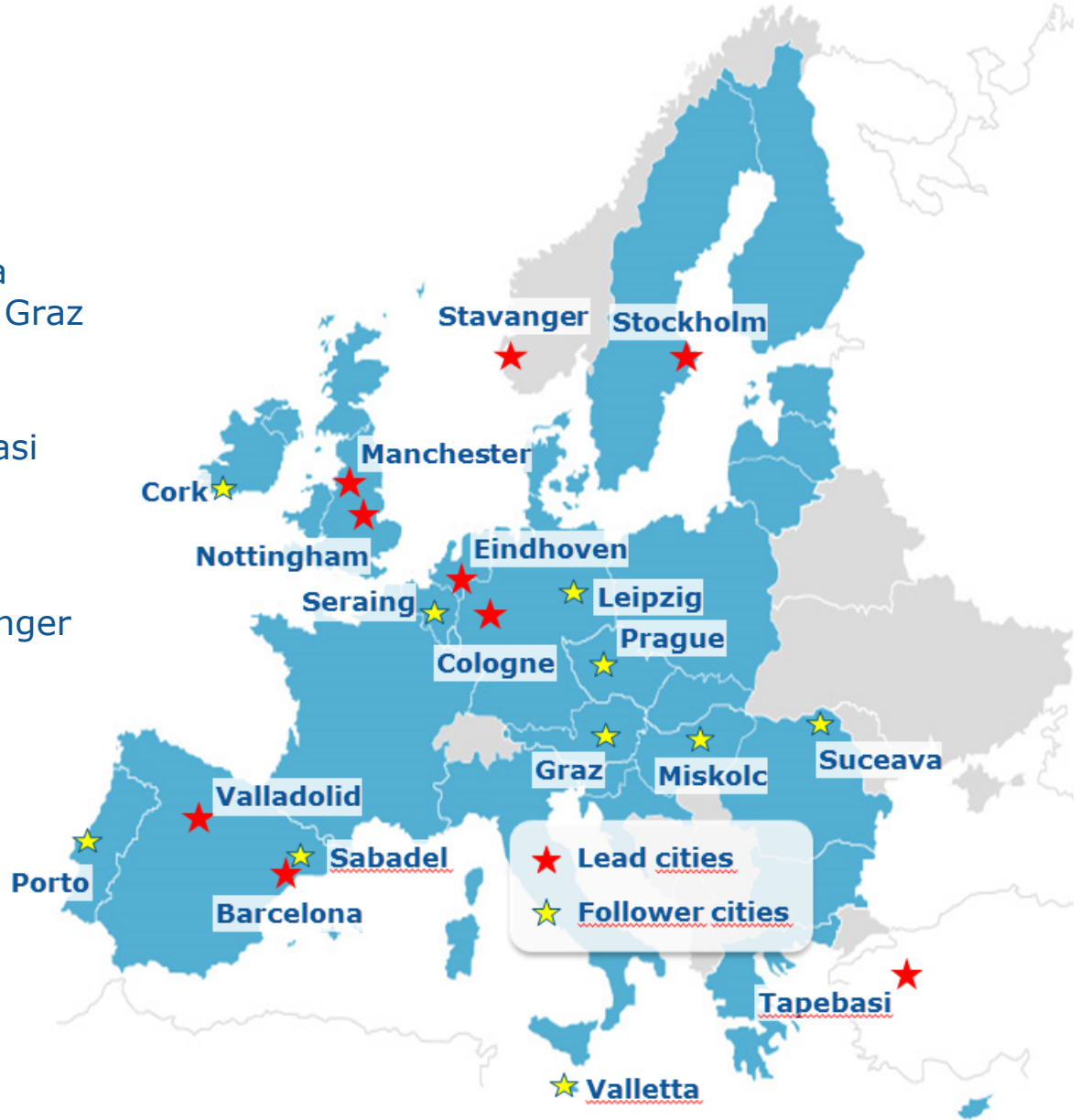
Evaluation criteria are: Excellence, Impact, Quality and efficiency of the implementation

Lighthouse projects in Call 2014

GROWSMARTER
L: Stockholm, Cologne, Barcelona
F: Valetta, Suceava, Porto, Cork, Graz

REMOURBAN
L: Valladolid, Nottingham, Tapebasi
F: Seraing, Miskolc

TRIANGULUM
L: Manchester, Eindhoven, Stavanger
F:Prague, Leipzig, Sabadell



SCC1 call 2015

- **42 proposals** (37 eligible) – twice as much as 2014
- **Over 1000 entities** represented in the proposal consortia (average 29/proposal)
- **96 proposed Lighthouse cities** in 25 countries (20 Member States and 5 Associated States
- **113 proposed follower cities** in 33 countries, (24 Member States, 4 Associated States and 5 Third Countries)

Smart Cities and Communities Context

ENSCC ERA-NET Co-Fund
9.1 MEur EU funding

Stakeholders

- Cities & Regions
- Industry
- Research
- Associations
- etc. …

EU Initiatives

- CIVITAS
- Green Digital Charter
- **CONCERTO**

Lighthouse Projects

Implementation & replication with EU funding

Covenant of Mayors

Political commitments without EU funding

SCC-EIP Market Place

Commitments Implementation without EU funding

CITYkeys

EU Smart Cities Information System

Other Actions

50. Support to the European Innovation Partnership on Smart Cities and Communities and its Market Place

Public Procurement - 1 direct service contract / 4th quarter 2016 - 3.00 MEur

51. Smart Cities and Communities information system

Public Procurement - 1 direct service contract- 1st quarter 2017 - 2.5 MEur

52. Support Services for the Covenant of Mayors

Public Procurement - 1 direct service contract - 4th quarter 2016 - 4.0 MEur

SCC Info Days

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