

Smart Cities Innovation Partnership Chalenges and oportunities for EU cities



International Conference Smart energy solutions for sustainable development 10 May 2017

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New energy technologies, innovation and clean coal



Cities – Key for Europe

- 78% of EU's population lives in cities.
- 85% of EU's GDP is generated there.
- Cities deliver on jobs, growth, investments, innovation and CO₂ reduction, to name a few ...

EU Challenges





Modernise our economy by bringing down greenhouse gas emissions while creating jobs and growth

The EU as the world leader on renewable energy and placing energy efficiency first based on new technologies and industrial leadership

Ensure a socially fair transition where regions, cities and consumers play an active role GUIDING DIMENSIONS



Cities – Drivers of policy

2020

2030

- 20% less greenhouse gases
- 20% renewable Energy
- 20% Energy savings

 40% less greenhouse gases

27%
renewable
Energy

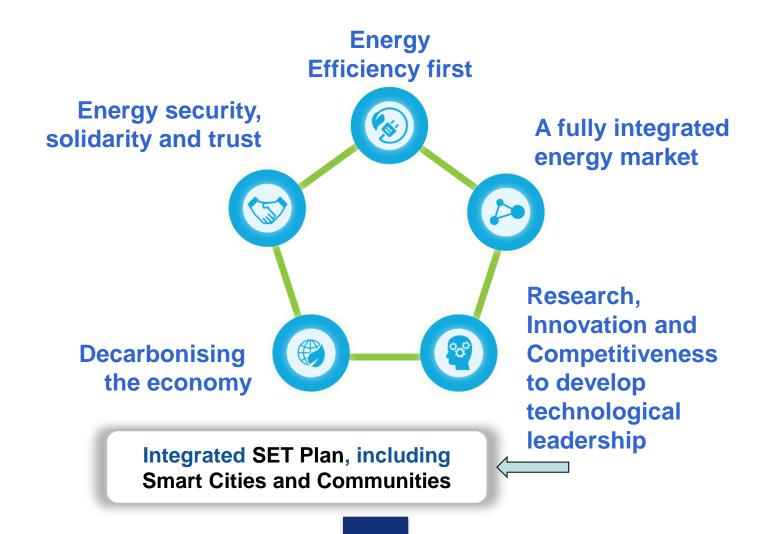
 27% Energy savings Energy Union

5 GUIDING DIMENSIONS

4

European Commission

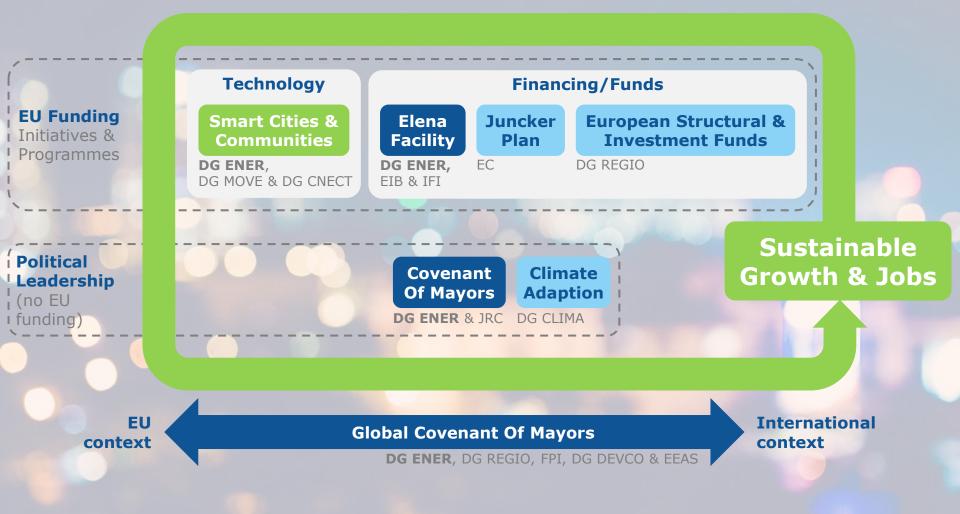
The Energy Union aims at secure, sustainable, competitive, affordable energy.





Synthesis Smart Cities EU Context







Stakeholders

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

EU Initiatives

- CIVITAS
- Green Digital Charter
- CONCERTO

Lighthouse Projects

Implementation & replication with EU funding

Smart Cities & Communities EU actions

8

Covenant of Mayors Political commitments without EU funding

SCC-EIP Market Place Commitments Implementation without EU funding

Smart City Information System





The Strategic Energy Technology (SET) Plan



The Strategic Energy Technology (SET) Plan

Adopted in 2008

Set-up of European Industrial Initiatives for technologies

And Coordinates the research actions of EU and Member States

For technologies with market impact up to 2020 and beyond



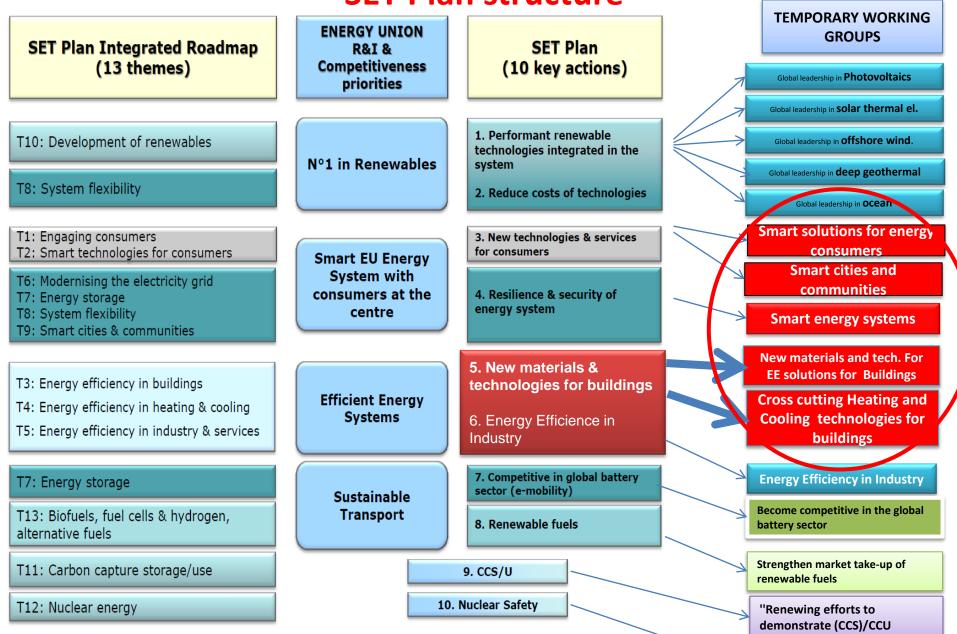


Integrated SET Plan Communication (2015)

Four core priorities (RES, consumers, energy efficiency, sustainable transport – in line with Energy Union) + CCS and nuclear

10 Actions: for each action a **Declaration of Intent** among countries (EU, EEA and Turkey) and with stakeholders

SET Plan structure



Maintaining a high level of safety of nuclear reactors



SET plan Working Groups relevant to Smart Cities

Smart solutions for energy consumers

Smart cities and communities

Smart energy systems

New materials and technologies for EE solutions for Buildings

Cross cutting Heating and Cooling technologies for buildings



The European Innovation Partnership on Smart Cities & Communities (EIP-SCC)

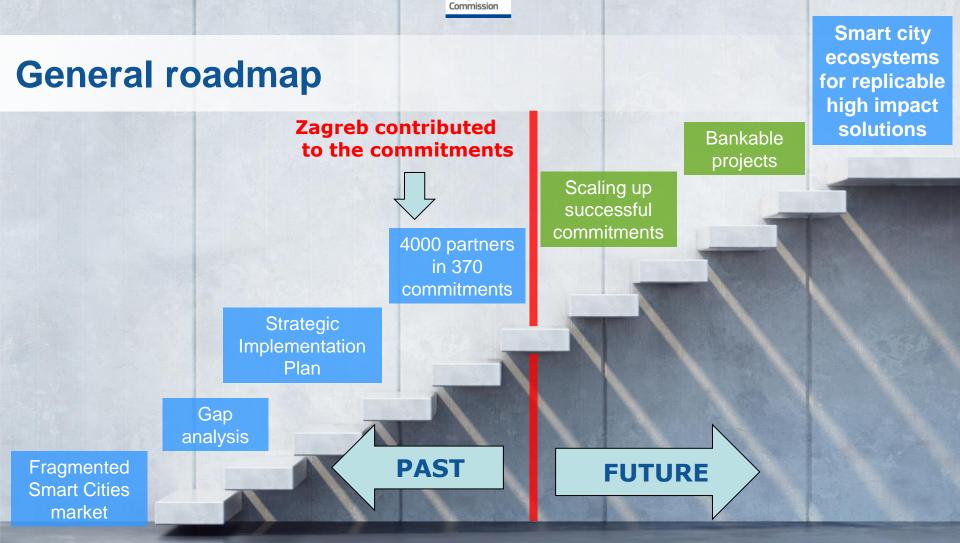


Smart Cities and Communities (EIP-SCC)

establishes strategic partnerships between industry and European cities for the development of the urban systems of tomorrow









The Marketplace" of the EIP-SCC

features physical meetings and a virtual collaboration via the Marketplace webpages. The Marketplace aims to **build a bankable project pipeline** that shall trigger smart city project investments of up to 1Billion Euro by 2020.





The 6 Action Clusters

5100 partners,370 commitments,31 countries.

It is all about scale, acceleration, impact, common solutions, integrated approaches and collaboration.

Action clusters



Initiatives (1/2)

Citizen focus

- Start from Existing Habits and Identify the Needs: Co-
- Design & Co-Creation as Tools
 - Citizen-Centric Approach to Data
 - Citizen & Stakeholders Communication Platforms

Policy and regulations/

- From Planning to Implementation
- Tools for Decision Making and Benchmarking
- Six Nations Forum
- Governance for Cultural Heritage (coming soon)

Sustainable districts and built environment

- Small giants
- Positive energy blocks

18

Action clusters



19

Initiatives (2/2)

Business models, finance & procurement

Innovative business model use cases

Integrated infrastructures and processes (including Open Data)

- Humble lampposts
- Urban platforms

Sustainable urban mobility

- Electromobility
- New mobility services

• Further scale-up of the initiatives

Outlook 2017

- New interactive and collaborative tools for the Market Place's web site
- Next General Assembly end of 2017

European Commission

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#

COMMERCE

..........



in fall 2017 possible re-Launch of the High Level Group of the EIP-SCC

a mix of very active smart city mayors, CEO, Finance, etc smart city relevant personalities whose members act as EIP-SCC ambassadors and advisors





Why being involved?



- Capacity building
- Partnering for EU or other projects
- Bundling of demand enables easier access to all funding sources
- Gaining visibility for your city, project, association, company, etc.



How to join?

- Create a public profile at https://eu-smartcities.eu/user/register.
- Join an existing commitment or an initiative.
- Join an Action Cluster to provide your specific expertise on a certain issue.



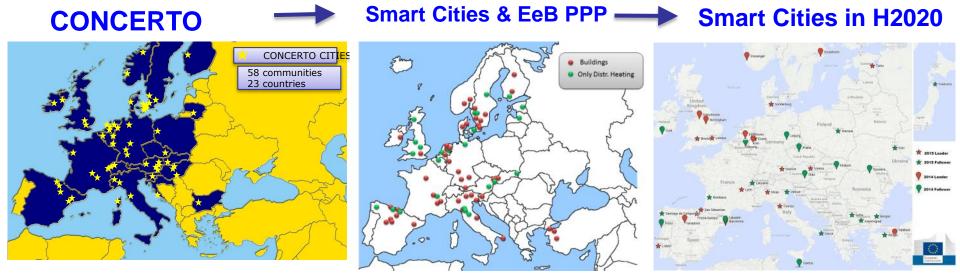
€ 5.9 billion For ENERGY

€80 billion In total HORIZON 2020

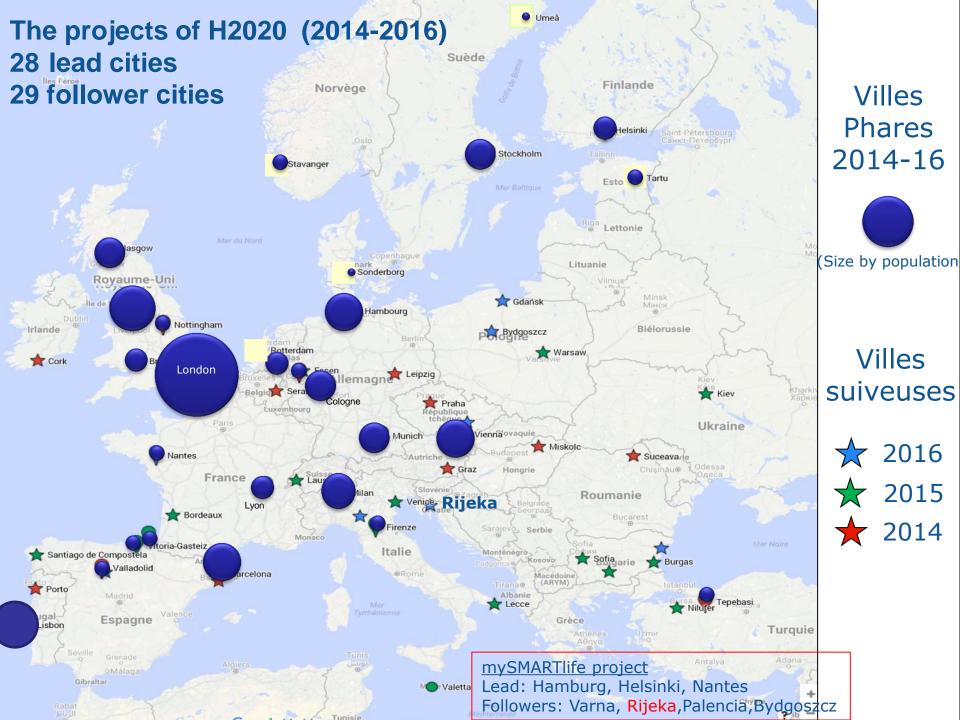
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION



EVOLUTION OF SMART CITIES & Communities CONCEPT



	CONCERTO (2005-2009)	EeB PPP (2010-2013)	Smart Cities and Communities (2014 -)
Support	175,5 M€	216 M€	190 M€
Projects/sites	19/58	21/63	9/28
M€/year	35,1 M€/y	54 M€/y	72 M€/y





Next relevant events (1/6)

EUSEW2017 – Clean Energy for All Europeans

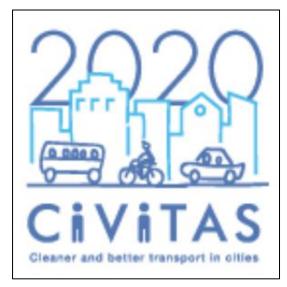


19 June 2017 to 25 June 2017 Brussels, Belgium http://www.eusew.eu/



Next relevant events (2/6)

15th CIVITAS FORUM Conference 2017



27-29 September 2017 Torres Vedras, Portugal

http://civitas.eu/content/save-date-civitas-forum-conference-2017



Next relevant events (3/6)

Smart Cities Information system conference



Budapest, Hungary 2&3 October 2017

http://www.smartcities-infosystem.eu/newsroom/news/save-date-scis-conference-empowering-smart-solutions-better-cities



Next relevant events (4/6)

European Week of Regions and Cities

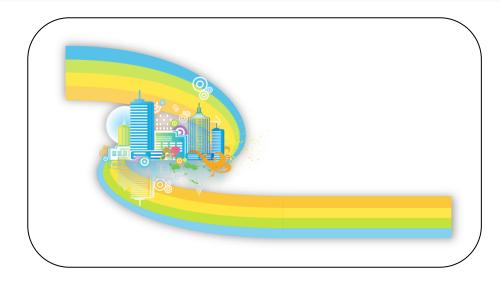


http://ec.europa.eu/regional_policy/regions-and-cities/2017/index.cfm



Next relevant events (5/6)

General Assembly of the European Innovation Partnership on Smart Cities and Communities



Tuesday, 12th October, 2017 Brussels, Belgium



Next relevant events (6/6)

10th SET-Plan Conference 2017



30/11/2017 to 01/12/2017 Bratislava, Slovakia



Mercil

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Join us at http://eu-smartcities.eu!