



**Implementation of the
Smart Specialisation Strategies**

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Overview of the European Smart Cities Dimension



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Contents

- **Cities – Key for Europe**
- **Why Smart Cities and Communities?**
- **What we do**
- **The 6 Action Clusters**
- **Agenda for 2016**
- **General roadmap**
- **Synthesis**
- **Smart Cities EU Context**
- **Horizon 2020**
- **Why being involved?**
- **How to join?**

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 ...

Why Smart Cities and Communities?

Challenges

- **Fragmented markets**
- **Lack of new business models and financing solutions**
- **Need for knowledge sharing and capacity building**

Why Smart Cities and Communities?

Opportunities

- 
- A background image showing the Eiffel Tower in Paris, France, with the city skyline and the Seine River in the foreground. The image is partially obscured by a semi-transparent blue overlay on the right side where the text is located.
- Improving quality of live, competitiveness and sustainability
 - Exporting European knowledge in a strong growth market estimated globally at **€1.3 trillion in 2020**

What we do

Together we

- develop and implement solutions
- facilitate networking and partnering
- accumulate and share knowledge
- build capacity
- focus on Energy, Transport and ICT

The 6 Action Clusters

4600 partners,
370 commitments,
31 countries.

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



Agenda for 2016

- 100 cities will collaborate in different groupings to align and subsequently bundle demand for tested solutions.
- 100 key industry partners will cooperate with these cities in developing innovative solutions, the respective business models and innovative financing solutions to de-risk city investments and benefit SME growth.
- General Assembly on 24 May 2016 in Eindhoven

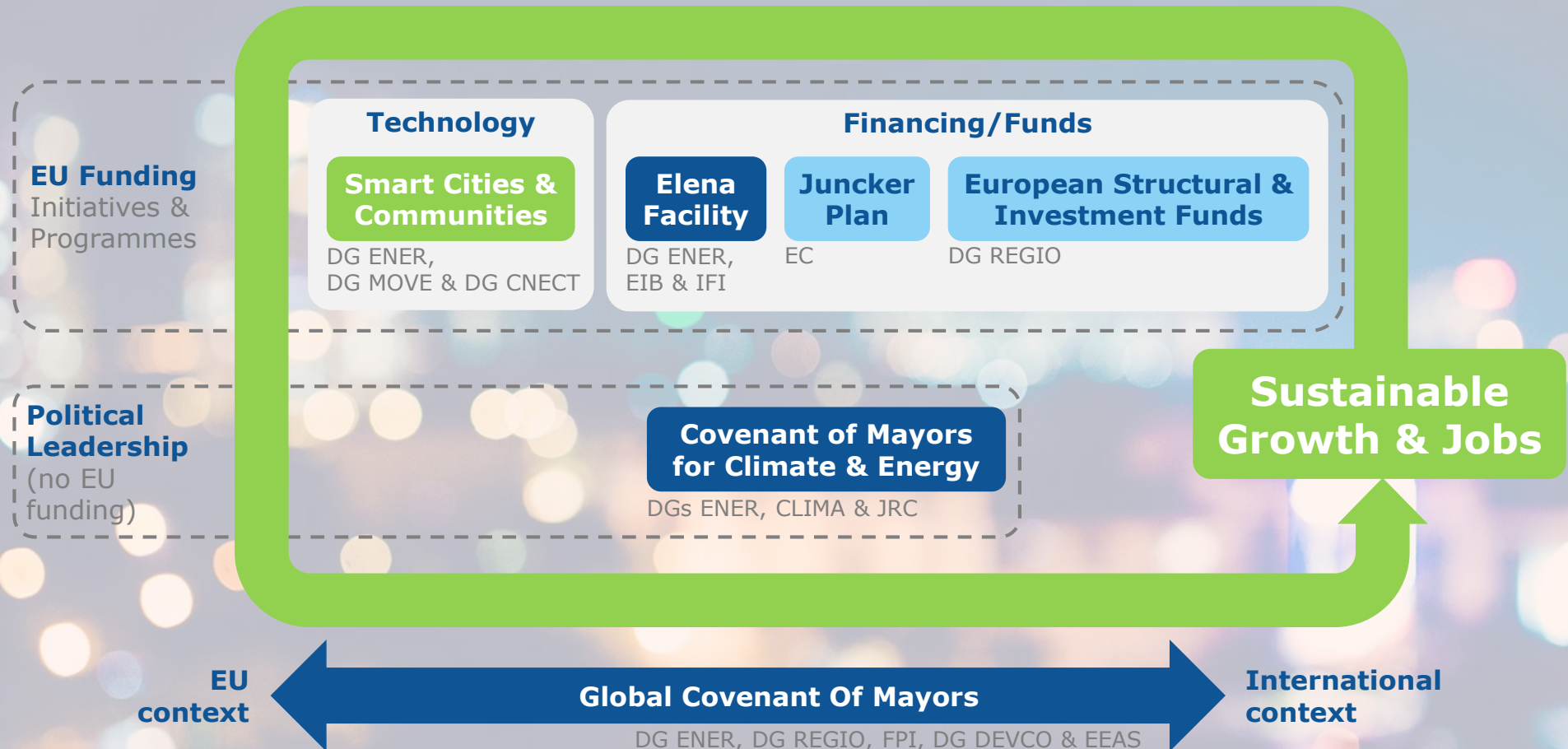
General roadmap



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



Covenant of Mayors

Political
commitments
without EU funding

SCC-EIP Market Place

Commitments
Implementation
without EU funding



HORIZON 2020

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

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 1: SmartenCity (2015 call)

- EU contribution: € 28,1 million
- Impacts
 - 165.181 m² of nearly Zero Energy Buildings (nZEB) (2494 houses)
 - 6,6 MW of newly installed Renewable Energy Sources
 - About € 56,5 million invested → leverage factor 2
 - 960 new jobs created
- Success factors
 - Good balance between Energy, Transport & ICT
 - Very good deployment plan
 - Positive evaluation of the ICT concept
 - High ambition → 100% renewable energy in Sonderborg
- 35 partners / lighthouse cities: Vitoria, Tartu, Sonderborg / follower cities: Asenovgrad, Lecce

Project example 2: **Replicate** (2015 call)

- **EU contribution: € 25,4 million**
- **Impacts**
 - **58.750 m² 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**

Why being involved?



- Practical **knowledge** sharing
- **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.
 - Join an Action Cluster to provide your specific expertise on a certain issue.



Thank you!

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Get involved at [**http://eu-smartcities.eu!**](http://eu-smartcities.eu!)