



European  
Commission

# Horizon 2020

## Smart Cities & Communities

The Key Initiative and the link  
with the Covenant of Mayors,  
Civitas and the  
Green Digital Charter

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**#H2020SCC**

Energy



# Smart Cities & Communities philosophy

- Tackle common challenges & bottlenecks
- Innovative & replicable solutions at the intersection of Energy, Transport and ICT
- Bundle demand from citizens, cities and regions
- Attract and involve business and banks

→ Create markets!



# Smart Cities & Communities at a glance ...

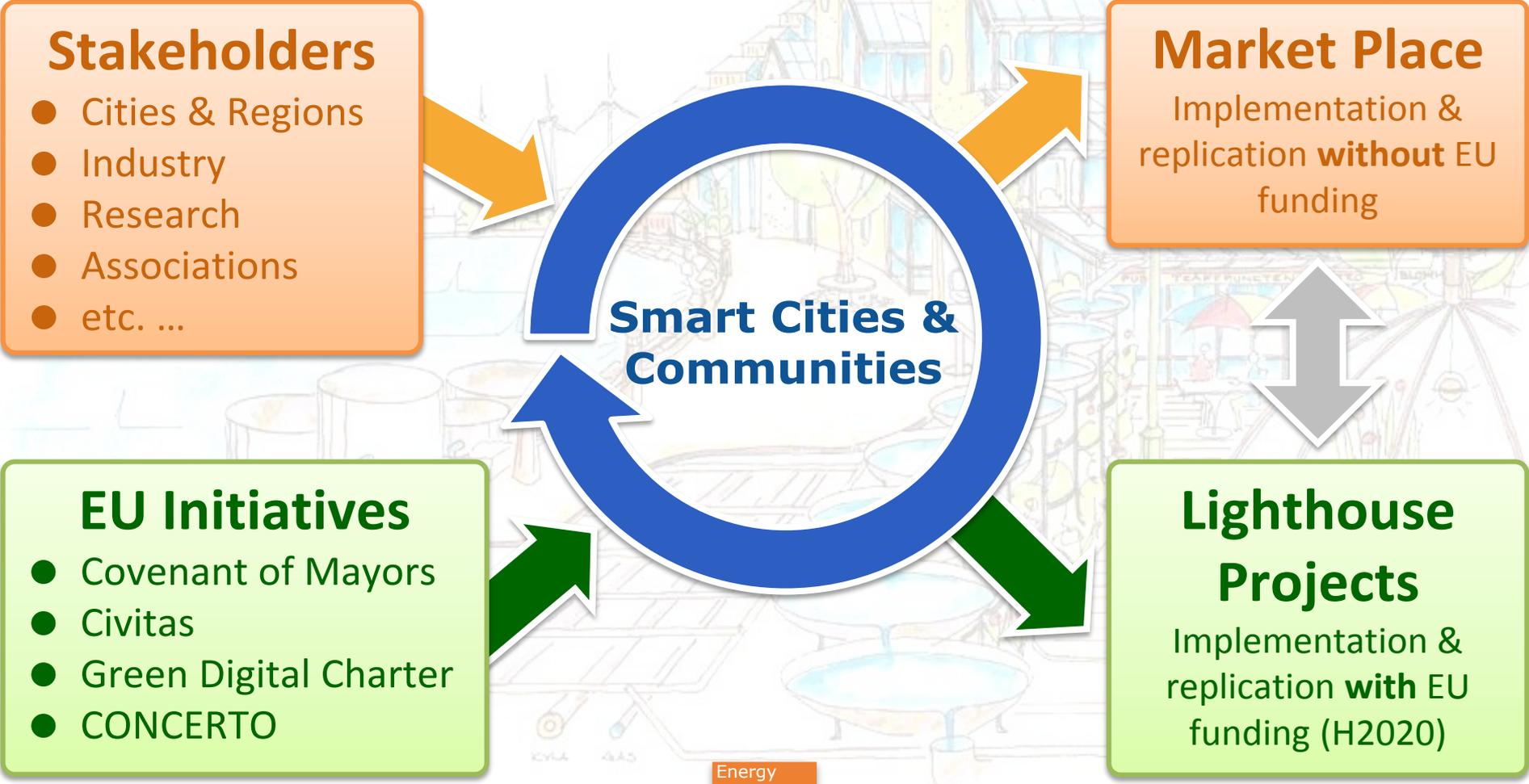
## Stakeholders

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

## EU Initiatives

- Covenant of Mayors
- Civitas
- Green Digital Charter
- CONCERTO

## Smart Cities & Communities



## Market Place

Implementation & replication **without** EU funding

## Lighthouse Projects

Implementation & replication **with** EU funding (H2020)

# Links to other EU initiatives

- **Covenant of Mayors**

since 2008 strong political commitment to reduce CO<sub>2</sub> emissions by at least 20% until 2020

→ **over 6.000 committed local decision makers**

- **Civitas**

since 2002 over **800 projects** and activities in **60 European cities** to redefine transport measures and policies in order to create cleaner, better transport in cities

→ **valuable lessons learnt and on-going support to Smart Cities**

- **Green Digital Charter**

since 2009 **44 cities** from **19 countries** so far, working with other signatory cities on ICT & energy efficiency and to decrease ICT's direct carbon footprint by 30% within 10 years

→ **valuable lessons learnt and on-going support to Smart Cities**

- **CONCERTO**

from 2005 until 2012 successful demonstration of sustainable Energy solutions in **58 pilot cities** from **23 countries**

→ **valuable lessons learnt**

# Overview of financing opportunities for local sustainable energy



## Alternative Financing Schemes



Source: Covenant of Mayors,  
[http://www.covenantofmayors.eu/IMG/pdf/Financing\\_Opportunities\\_Matrix.pdf](http://www.covenantofmayors.eu/IMG/pdf/Financing_Opportunities_Matrix.pdf)



# Thank you!

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<http://ec.europa.eu/eip/smartcities>

<http://eu-smartcities.eu>

Energy