



Latest news on the European Commission's policies on smart cities

European Innovation Partnership on Smart Cities and Communities

Building a Market for Smart Cities and Communities

Action Clusters General Assembly

ACTION CLUSTER SUSTAINABLE DISTRICTS AND BUILT ENVIRONMENT

22 November 2016

Huis van de Nederlandse Provincies

BRUSSELS

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European Commission**

ENERGY UNION: CHALLENGES AND OPPORTUNITIES – FIVE DIMENSIONS



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

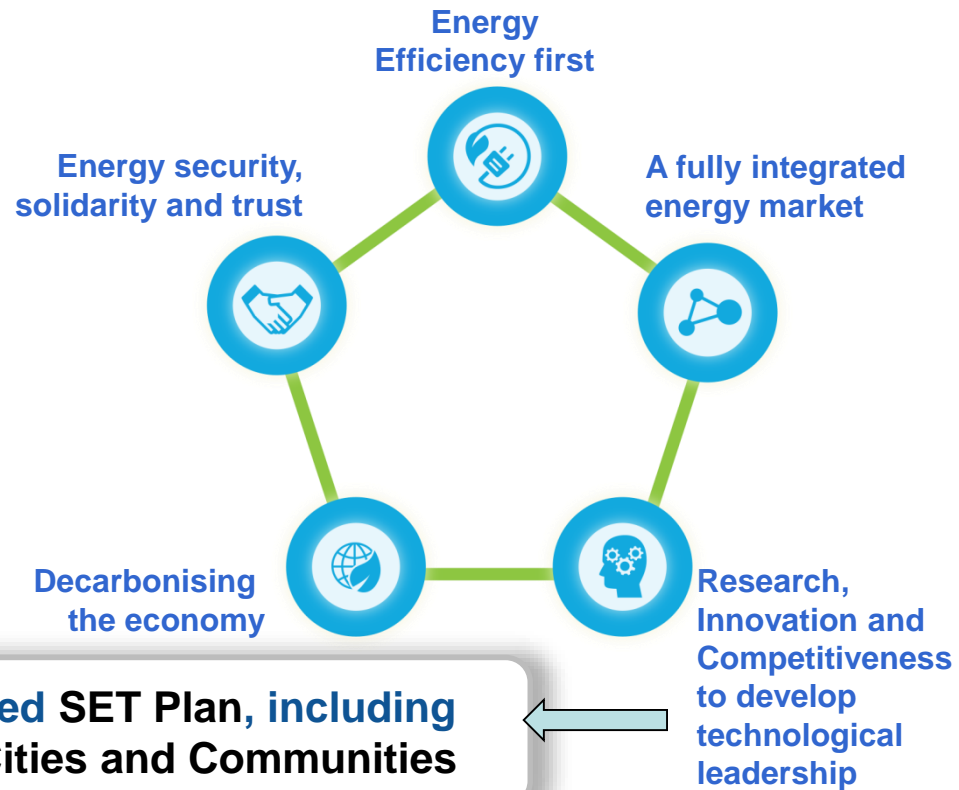


The EU as the **world leader on renewable energy and placing energy efficiency first** based on new technologies and industrial leadership



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

ENERGY UNION STRATEGY



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

The Strategic Energy Technology (SET) Plan

The Strategic Energy Technology (SET) Plan

Adopted in **2008**

Set-up of **European Industrial Initiatives** for technologies with market impact up to 2020 for wind, solar, electricity grids, CCS, bioenergy, nuclear, smart cities, hydrogen

Set-up of EERA for research beyond 2020



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

Action 3 on consumers



SET Plan Action n. 3 "Create technologies and services for smart homes that provide smart solutions to energy consumers"

THE INFLUENCE OF POSITIVE ENERGY BLOCKS

Target

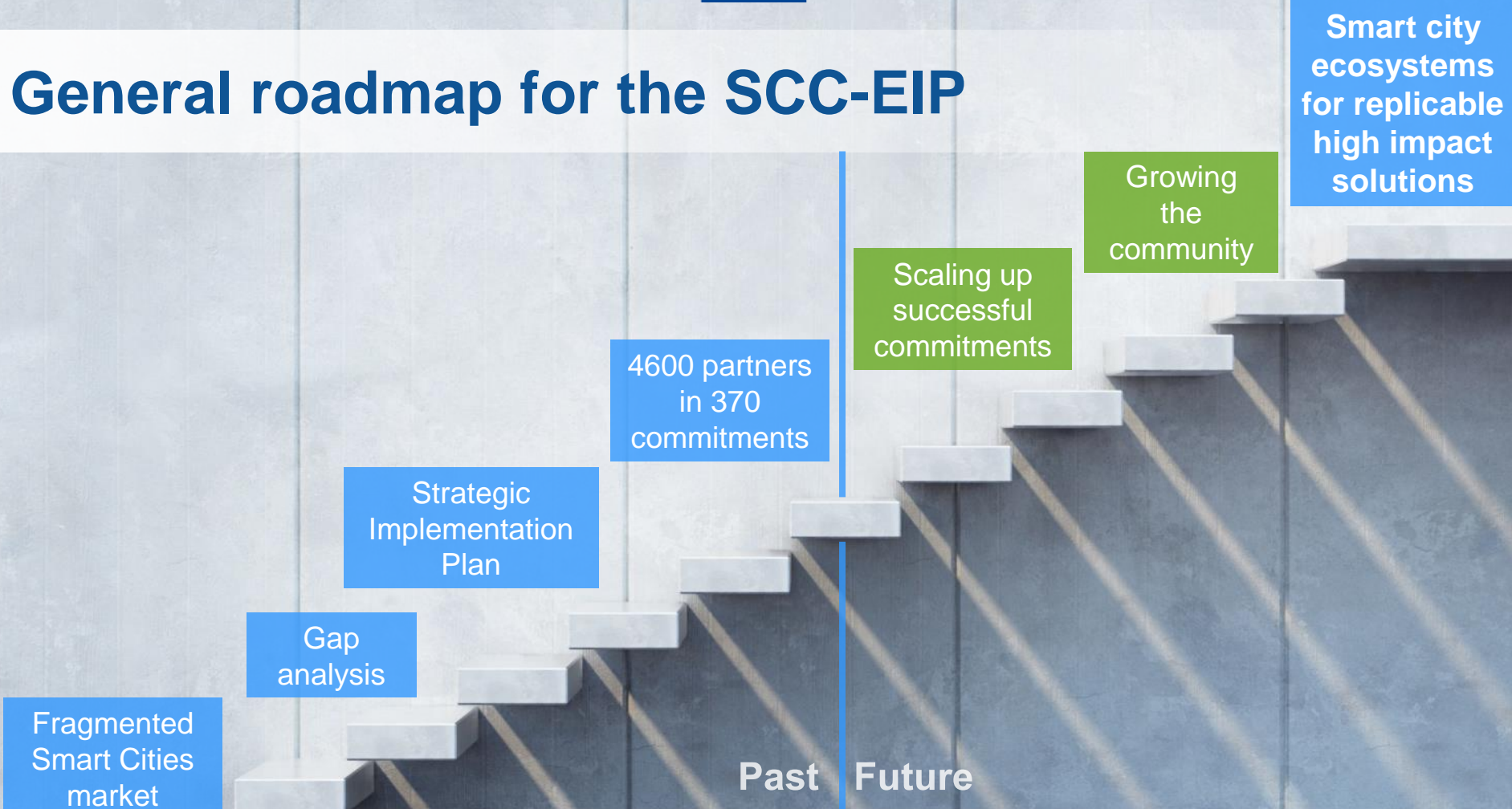
*Europe to be global role model/market leader in technology integration for and deployment of **net-zero energy/emission districts (ZEED)** with the aim **by 2025** to have at least **100 successful examples** synergistically-connected to the energy system in Europe and a strong export of related technologies.*

"Positive Energy Blocks of various sizes can be used as **innovation-pushing "seeding points" for these districts** to showcase in highly concentrated form the integration of all the aspects that are needed for net-zero energy/emission districts. Their concept is intrinsically up-scalable and they are well embedded in the spatial, economic, technical, environmental, cultural and social context. They are by design an integral part of the district/city energy and mobility system."

https://setis.ec.europa.eu/system/files/action3_2_scc_declaration_of_intent.pdf

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

General roadmap for the SCC-EIP



Targets for 2016

- **100 cities collaborating in different groupings to align and subsequently bundle demand for tested solutions.**
- **100 key industry partners cooperating with these cities in developing innovative solutions, the respective business models and innovative financing solutions to de-risk city investments and benefit SMEs growth.**

SCC-EIP

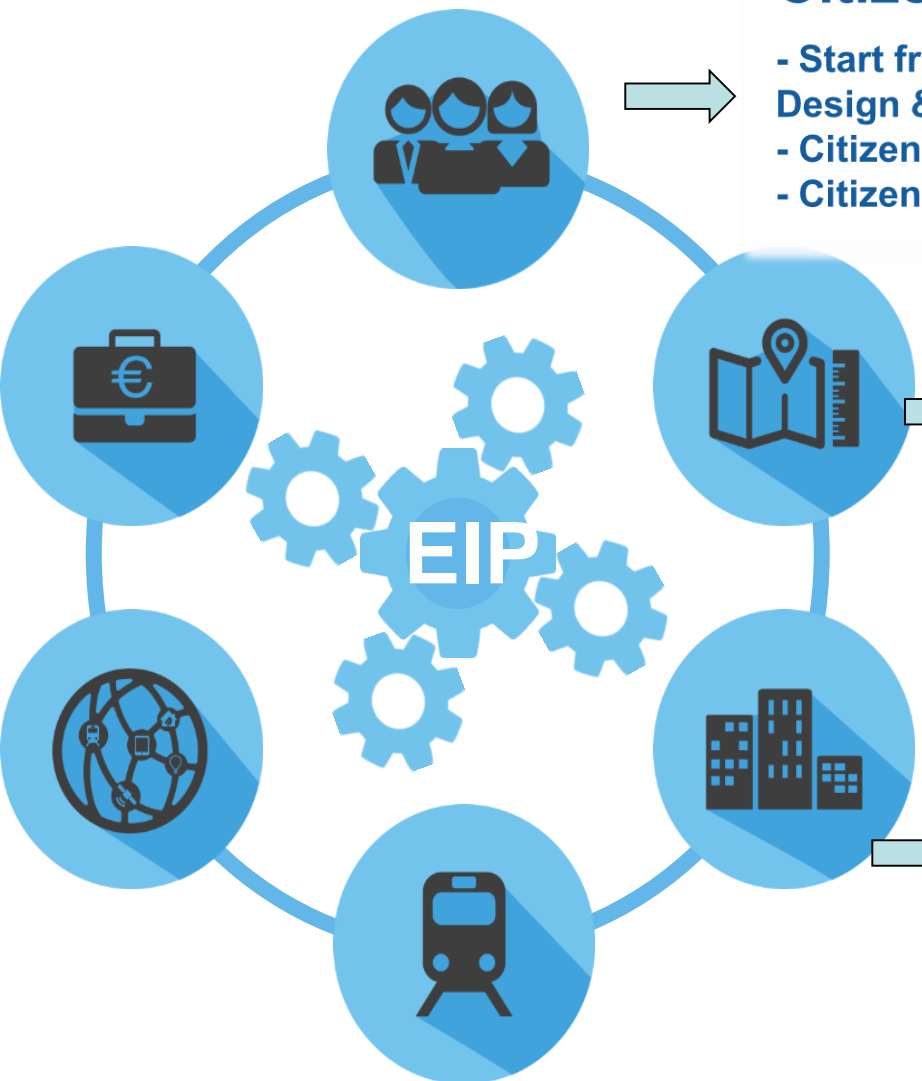
Smart Cities and Communities European Innovation Partnership

4600 partners,
370 commitments,
31 countries.

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

Focus on Energy, Transport and ICT





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/ integrated planning

- 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



Business models, finance & procurement

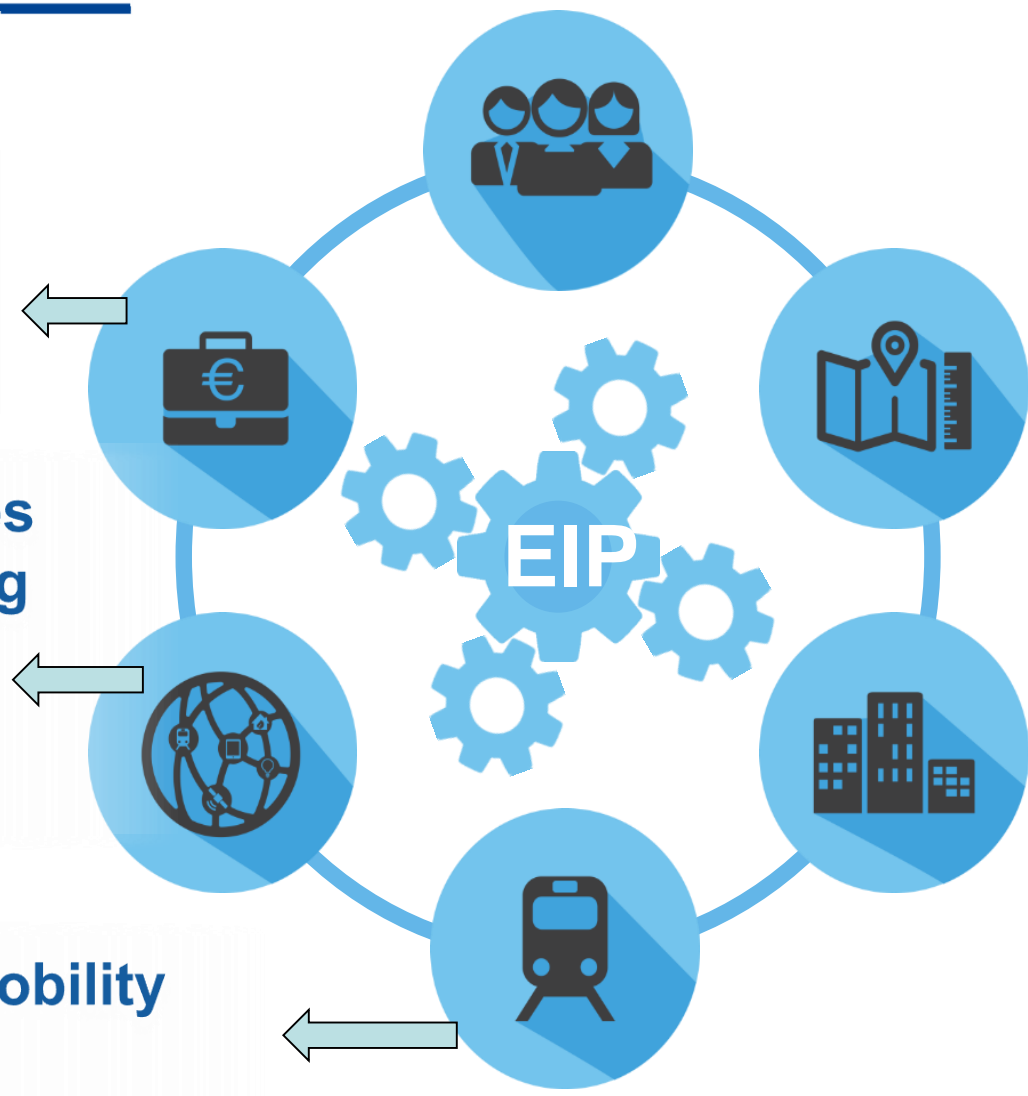
- Innovative business model use cases

Integrated infrastructures and processes (including Open Data)

- Humble lampposts
- Urban platforms

Sustainable urban mobility

- Electromobility
- New mobility services



Targets for 2017

- Potential new call for commitments
- Further scale-up of the initiatives
- Re-launch of the High Level Group
- New interactive and collaborative tools for the Market Place's web site
- Next General Assembly mid 2017

How to join the SCC-EIP?

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



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Next steps (II)

