

# The European Innovation Partnership on Smart Cities and Communities

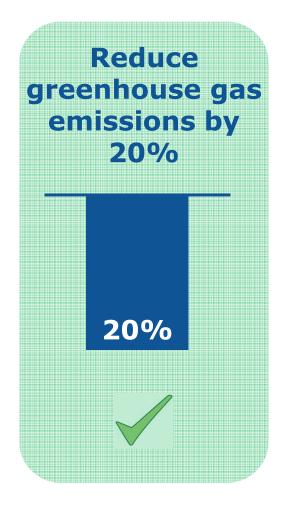
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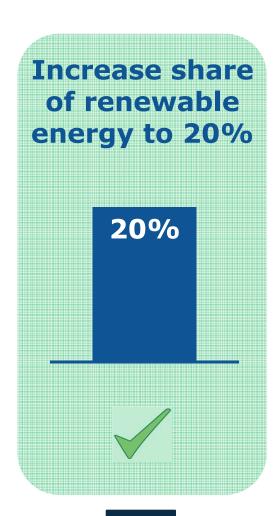


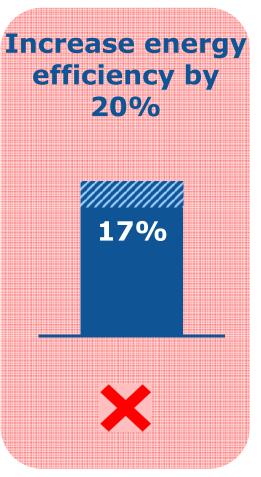


## What about the 20-20-20 targets?



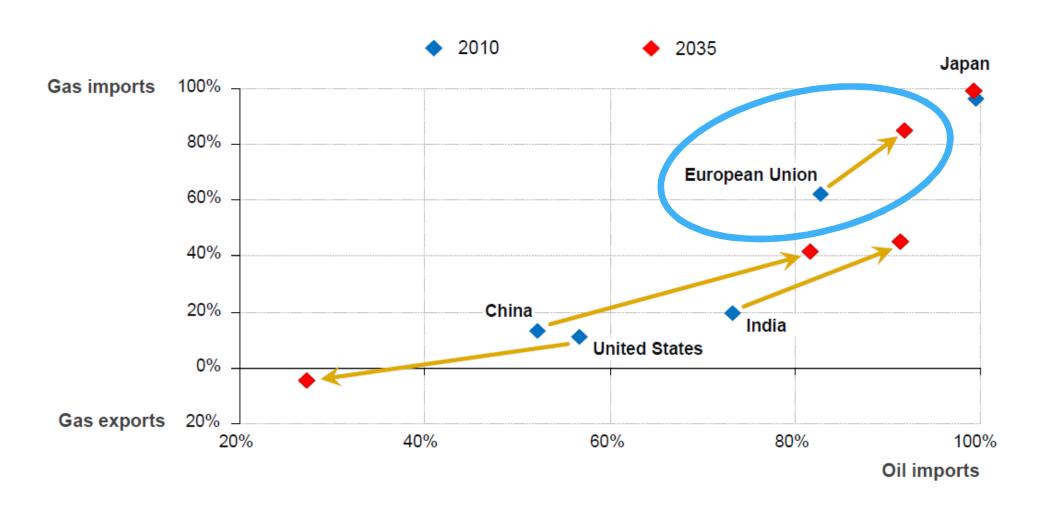








# Dependance on energy imports



Source: IEA



 $\approx$ 

## **Energy Efficiency Target**

415 mio tons of oil

which the EU does not have to import on a yearly base

193 €bn

annual savings based on conservative estimate of 73€/barrel

1000
coal power plants less
or 500.000
wind power plants less

GDP of Finland

(2012)

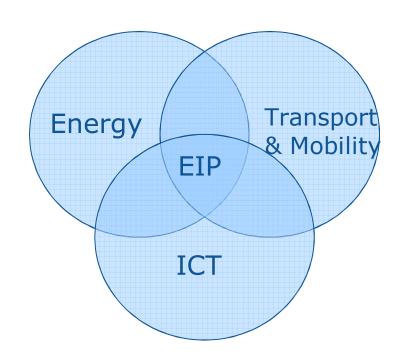


- European cities consume 70% of energy
- Important role of local actors (regions/ cities/ citizens / private sector etc.) in the energy transition
- Outreach of local and regional energy transition is high on the agenda of the Commission



#### **Smart Cities EIP**

- > Integrated approach
  - Energy, Transport and ICT
  - I ICT as enabler <u>and</u> consumer
- > Focus on intersection



- Key role for industries and cities
- Governance structure (Top down bottom up)



# Smart Cities EIP 'Philosophy'

- Tackle common challenges & bottlenecks
- Develop innovative & replicable solutions
- Bundle demand from cities and regions
- Attract and involve business and banks
  - Create markets!



#### Strategic Implementation Plan (SIP) - Priority Areas

Sustainable Sustainable Integrated **Urban Mobility Districts & Built** Infrastructure & **Environment Processes** Citizen Focus **Decisions** how we include citizens into the process as an integral actor for transformation Policy & Regulation creating the enabling environment to accelerate improvement Integrated Planning how we work across sector and administrative boundaries; and manage temporal goals **Knowledge Sharing** how we accelerate the quality sharing of experience to build capacity to innovate and deliver Insight **Metrics & Indicators** enabling cities to demonstrate performance gains in a comparable manner **Open Data** understand how to exploit the growing pools of data; making it accessible – yet respecting privacy Standards providing the framework for consistency commonality and repeatability, without stifling innovation Business Models, Procurement & Funding integrating local solutions in an EU and global market



# Smart Cities EIP 'Philosophy'

- Tackle common challenges & bottlenecks
- Develop innovative & replicable solutions
- Bundle demand from cities and regions
- Attract and involve business and banks
- Align initiatives/programmes/funding (H2020, ESIF, etc)
  - Create markets!



#### **Invitation for Commitments**

 The Invitation for Commitments is distinct and independent from Calls under Horizon 2020

We received **370** Smart City commitments

Bringing together more than 3000 partners from cities, communities, industry, research and other civil society organisations from across Europe

Tomorrow...



## The European Innovation Partnership on Smart Cities and Communities

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

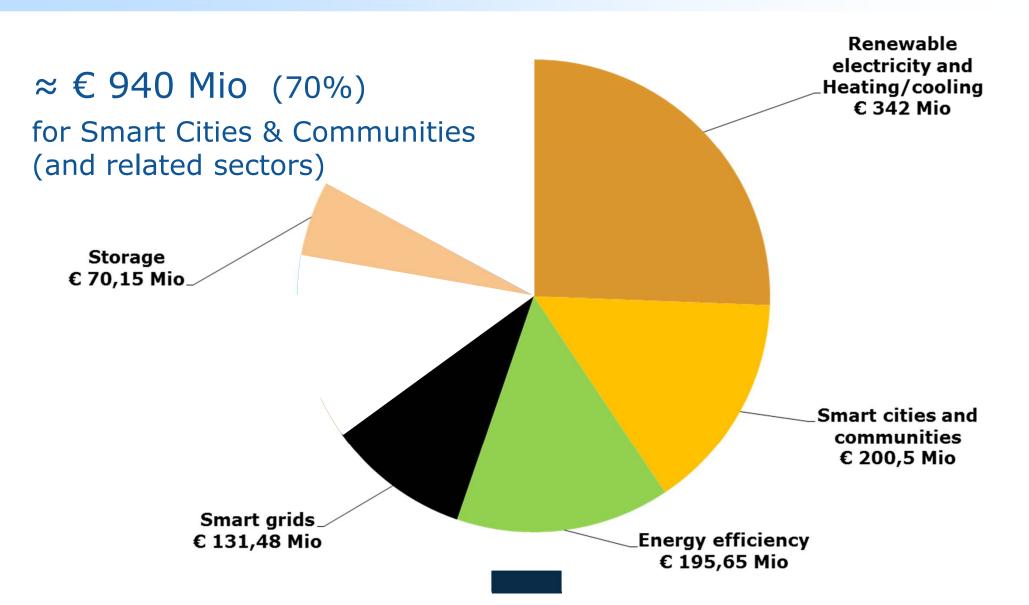
http://eu-smartcities.eu

ec-smartcities@ec.europa.eu





#### Horizon 2020 - Energy Budget 2014/2015





#### Lighthouse projects

Smart solutions integrating the 3 sectors Energy,
Transport and ICT

- Innovate
- Integrate
- Replicate
- Low energy districts
- Integrated infrastructures
- Sustainable urban mobility





#### Lighthouse projects

- Consortia: industries and cities
- 2-3 Lighthouse cities
- 2-3 Follower cities
- Multi-sector
- Embedded in urban plans
- Not just "stapled together"
- "Bankable" business models

