

The European Innovation Partnership on Smart Cities and Communities

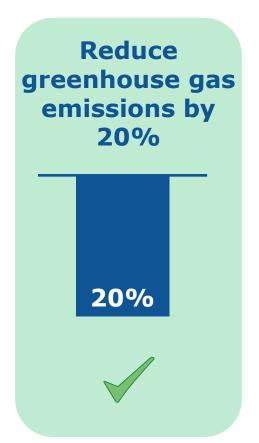
Jens Bartholmes
DG Energy

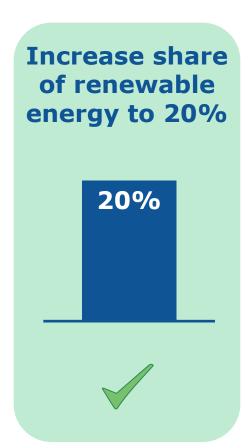


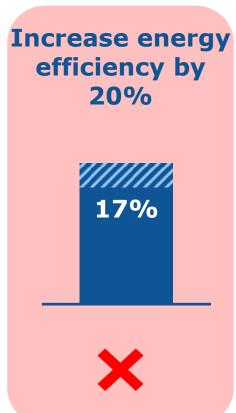


What about the 20-20-20 targets?



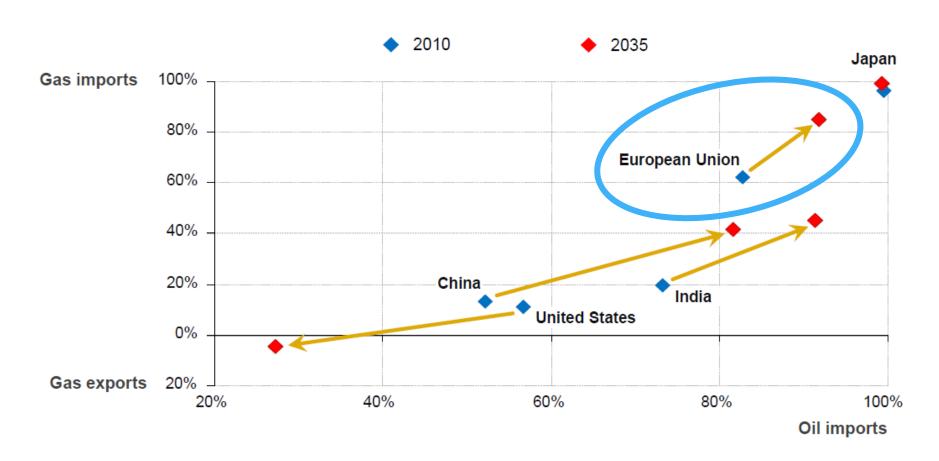








Dependance on energy imports



Source: IEA



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

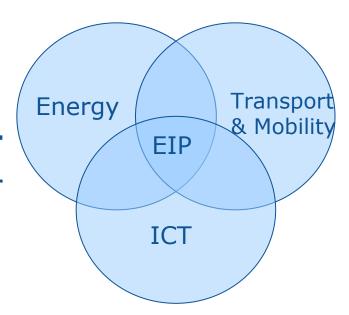
GDP of Finland

(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
 - → ICT as enabler and 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 **Urban Mobility**

Sustainable **Districts & Built Environment**

Integrated Infrastructure & **Processes**

Citizen Focus

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

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

nsight

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

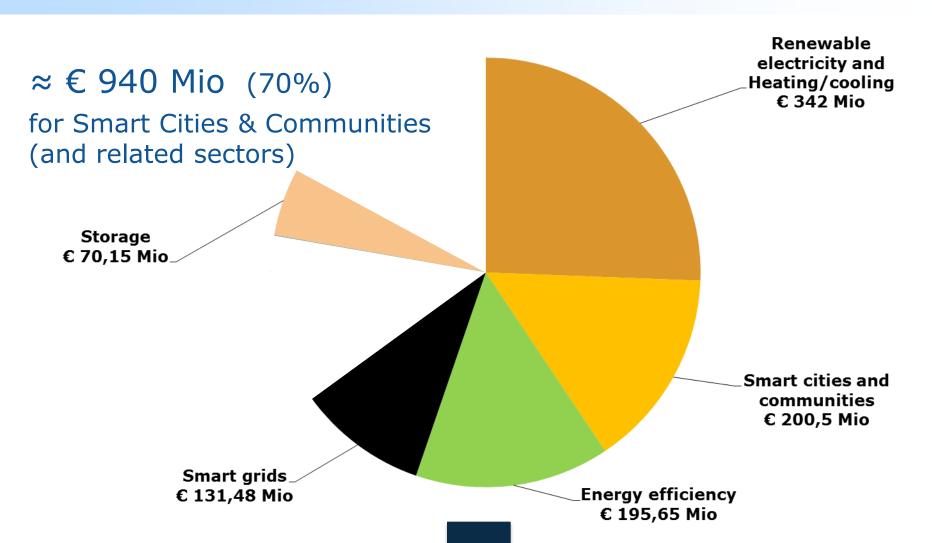
http://eu-smartcities.eu

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