



12th European Week of Regions and Cities

OPEN Brussels

DAYS 6 - 9 October 2014

The European Innovation Partnership on Smart Cities and Communities

Jens Bartholmes

DG Energy



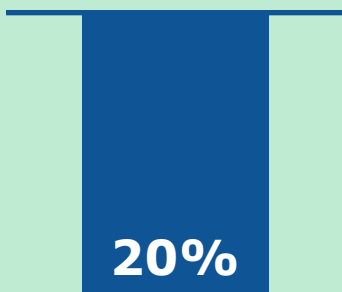
Growing together
Smart investment for people



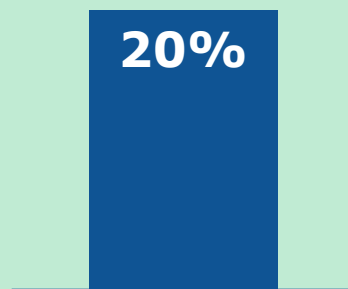
What about the 20-20-20 targets?



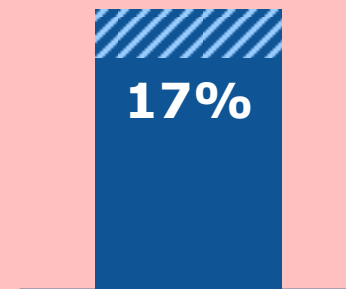
**Reduce
greenhouse gas
emissions by
20%**



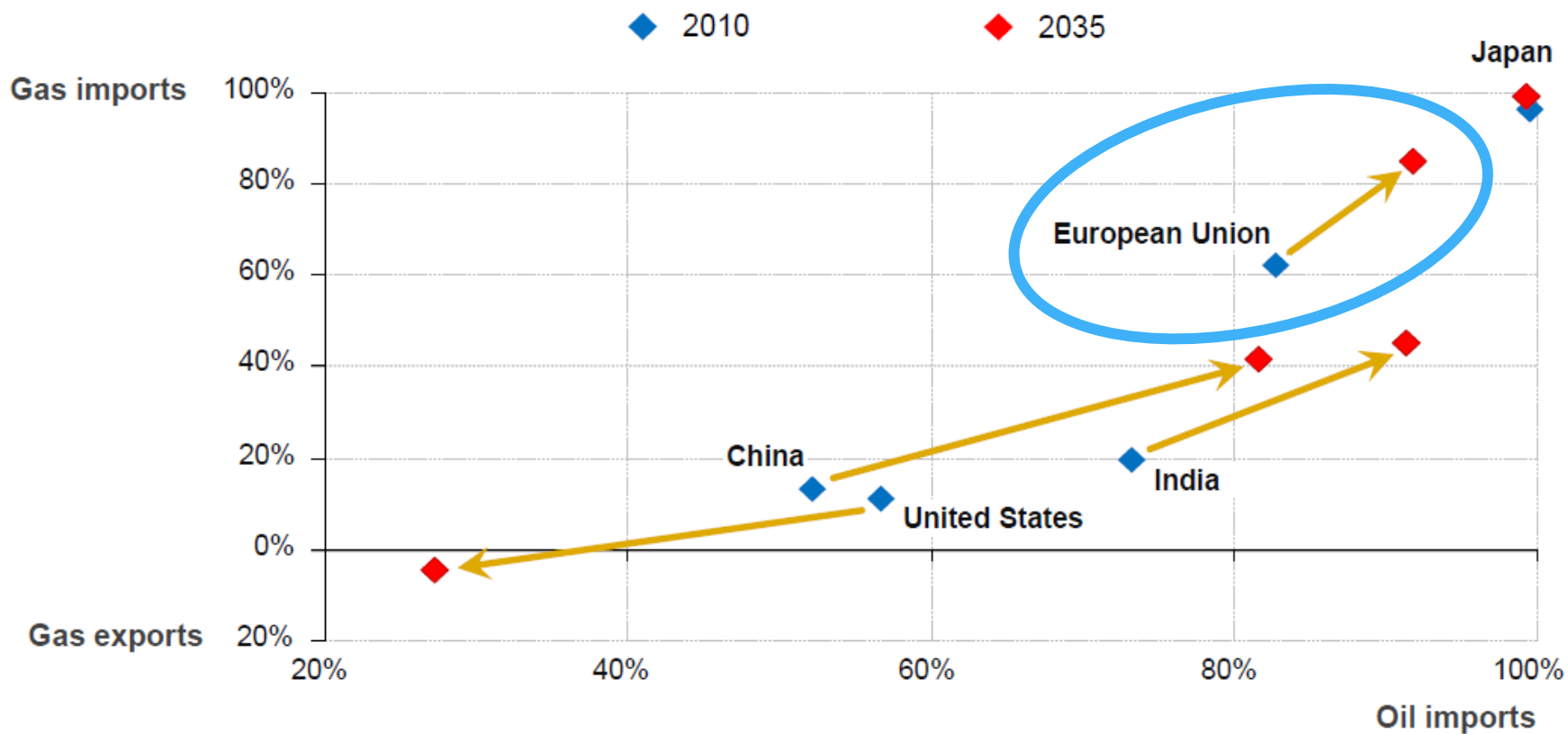
**Increase share
of renewable
energy to 20%**



**Increase energy
efficiency by
20%**



Dependance on energy imports





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

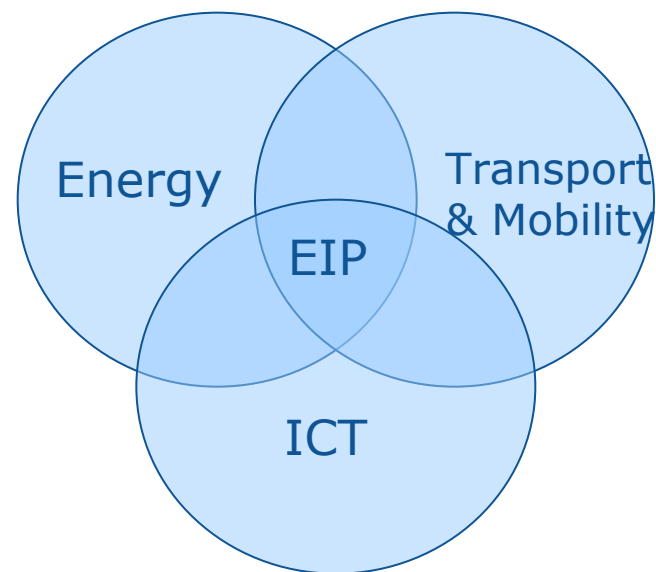
→ **Energy, Transport and ICT**

→ ICT as enabler and consumer

➤ Focus on **intersection**

➤ Key role for **industries and cities**

➤ Governance structure (Top down – bottom up)





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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!**

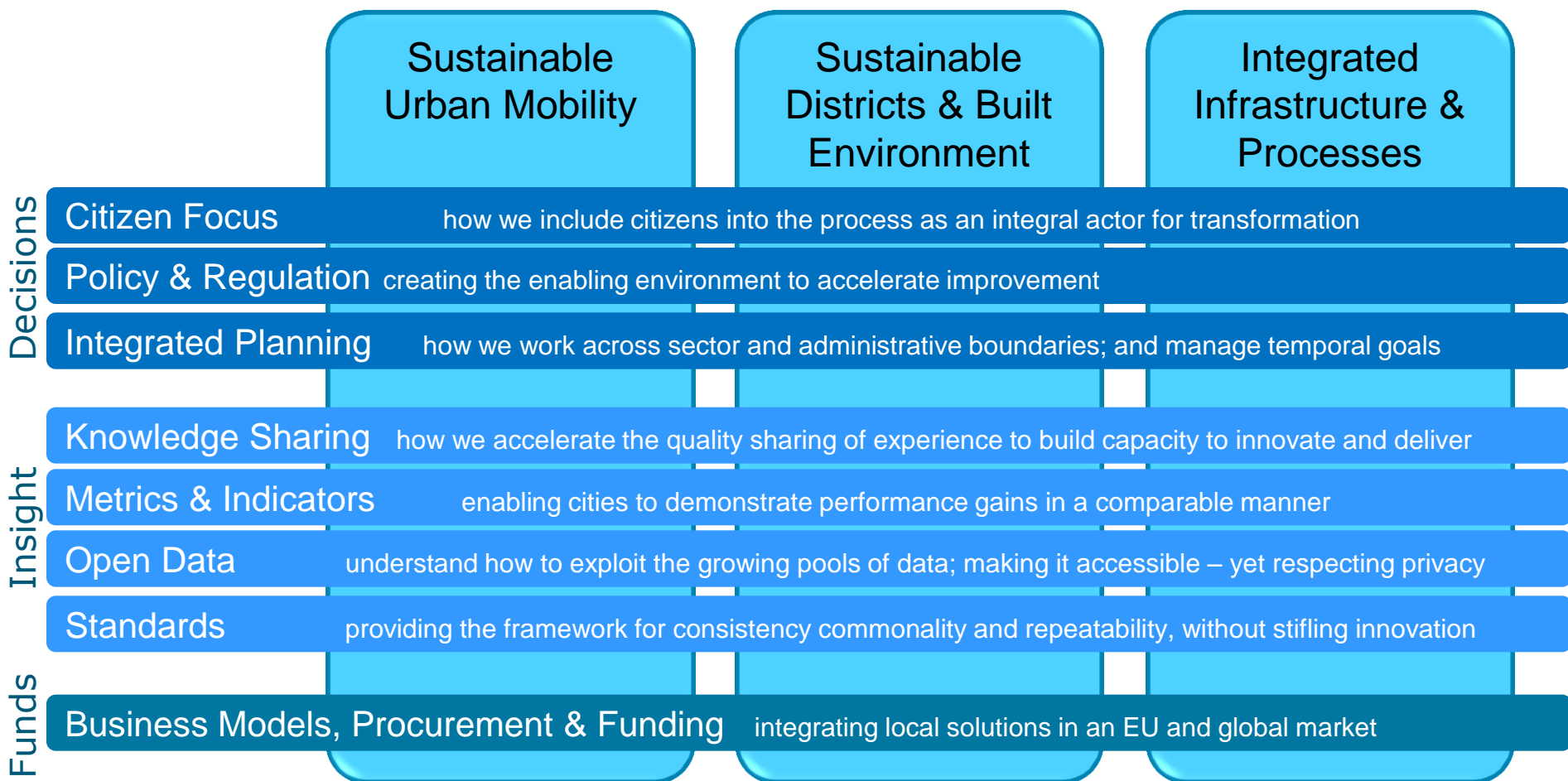


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Strategic Implementation Plan (SIP) – Priority Areas





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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!**



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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...



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

<http://eu-smartcities.eu>

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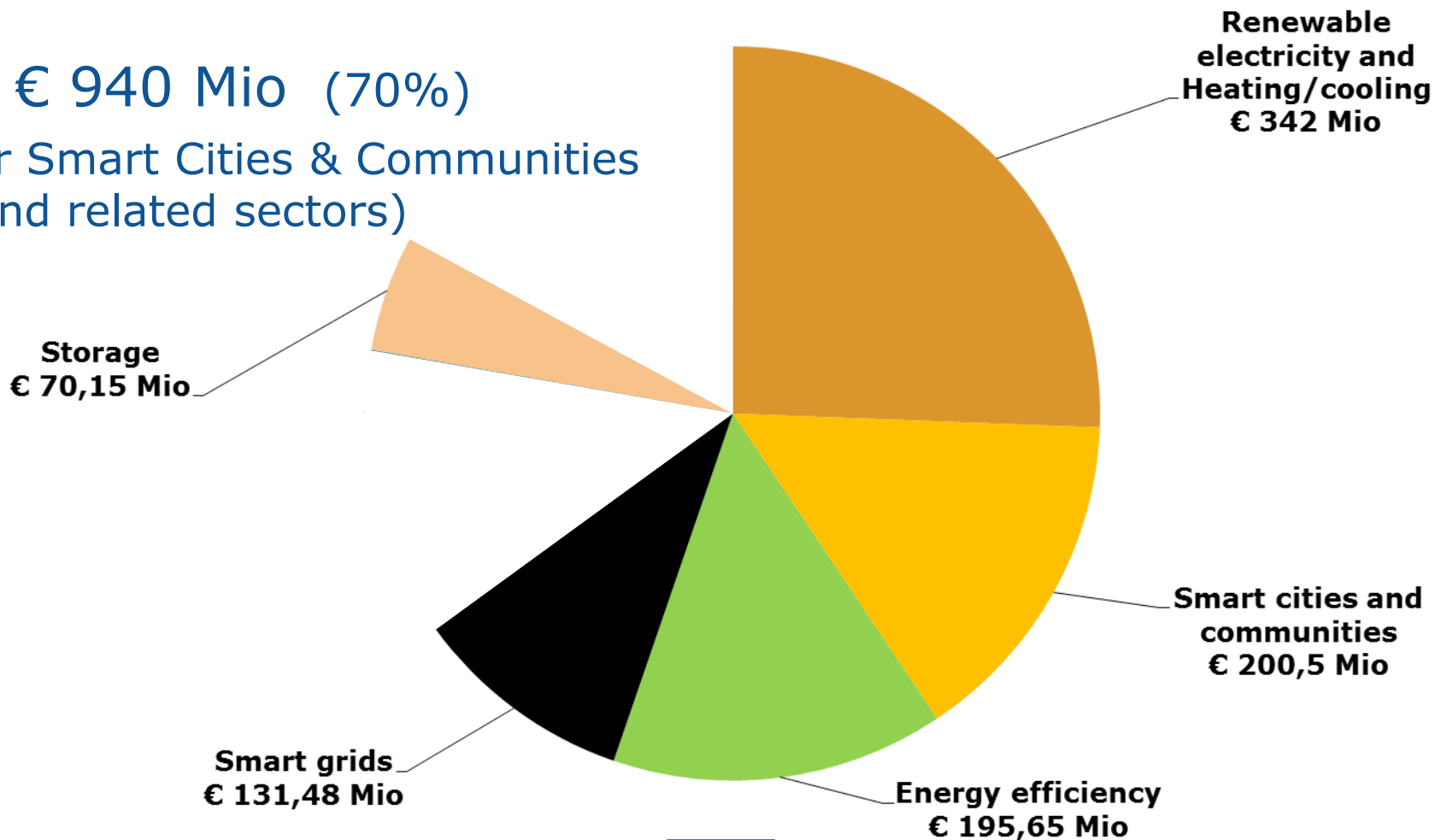
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Horizon 2020 - Energy Budget 2014/2015

≈ € 940 Mio (70%)
for Smart Cities & Communities
(and related sectors)





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*

