



Smart Cities & Communities

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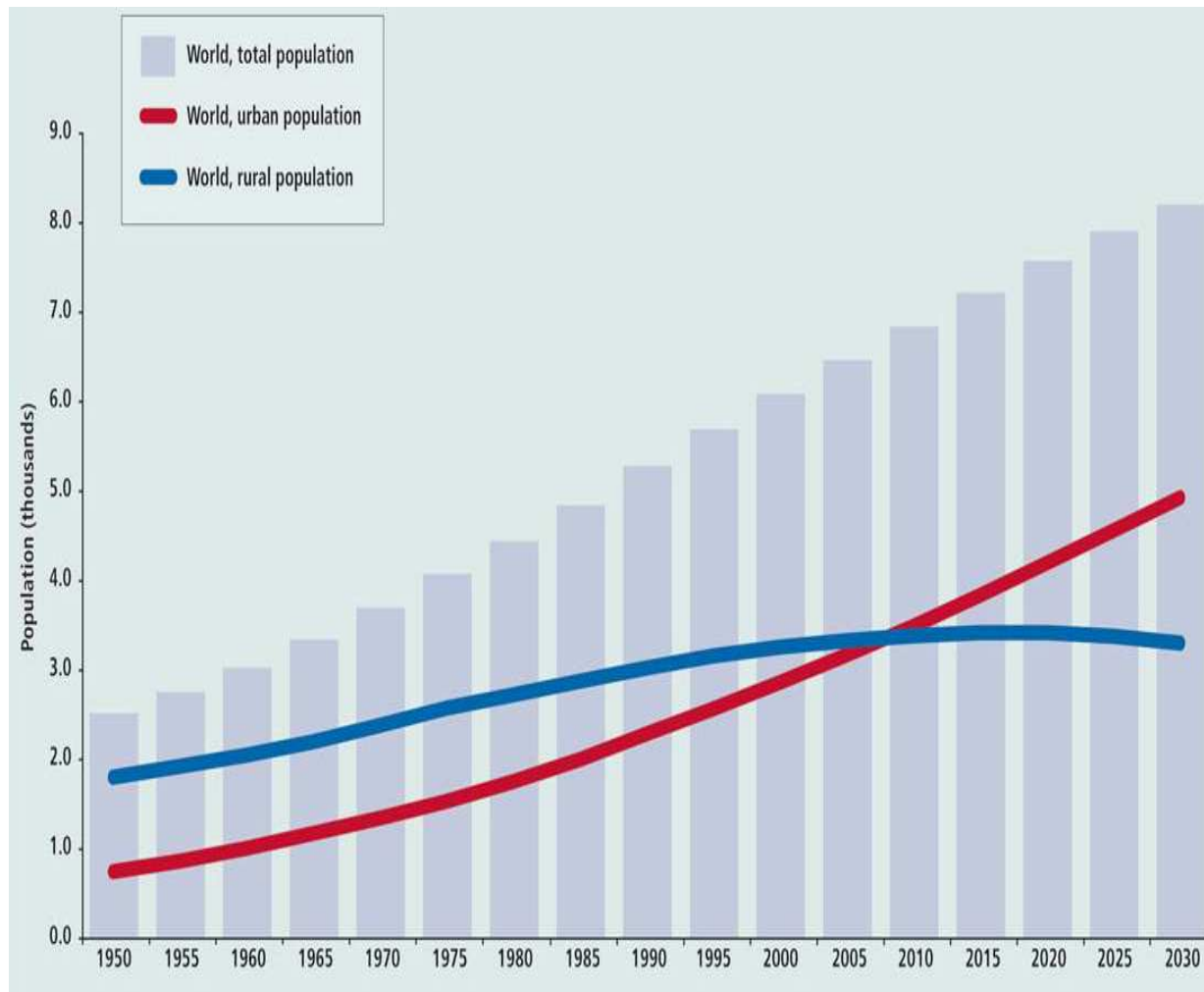
● Cities are Europe's power centres

- $\frac{3}{4}$ of EU energy consumption in cities
- $\frac{3}{4}$ of CO₂ emissions



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● Trend towards urbanisation continues



**Worldwide
as well as
in Europe**

● Every city is unique...



- ...but there are common challenges



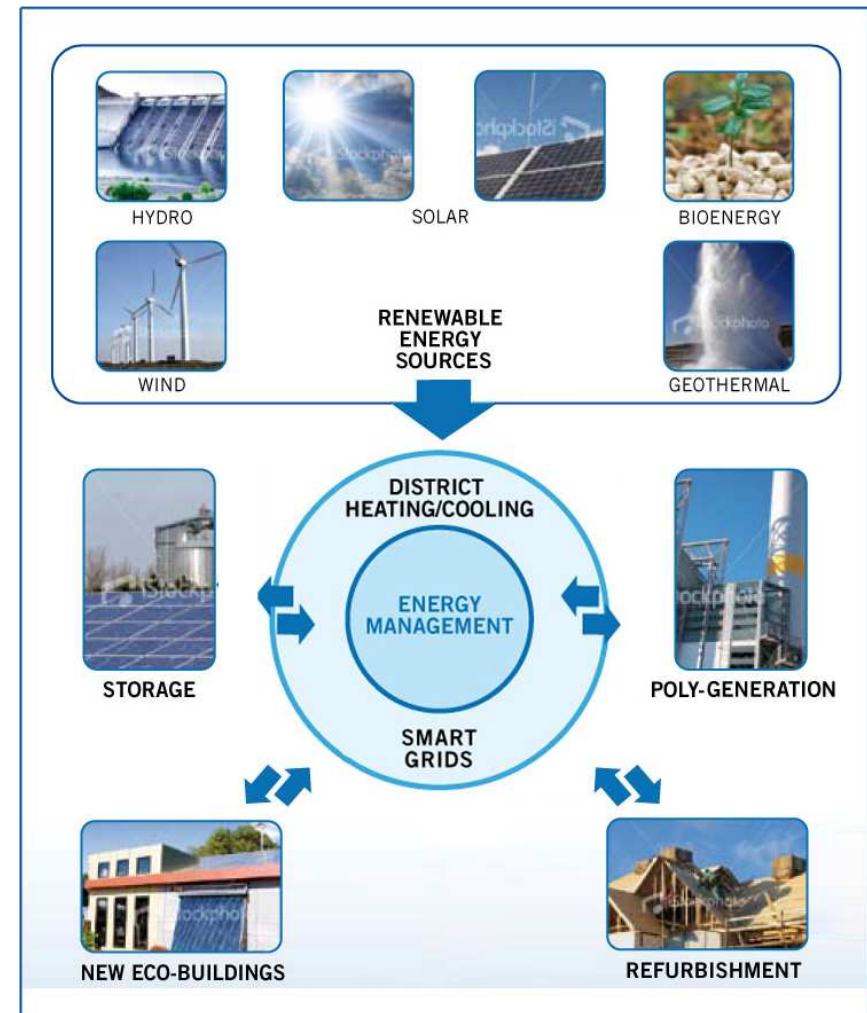
● **Smart Cities ‘philosophy’**

- **Identify common challenges**
- **Develop innovative, replicable solutions**
- **Bundle demand from cities**
- **Attract and involve business and banks**
- **Create markets!**



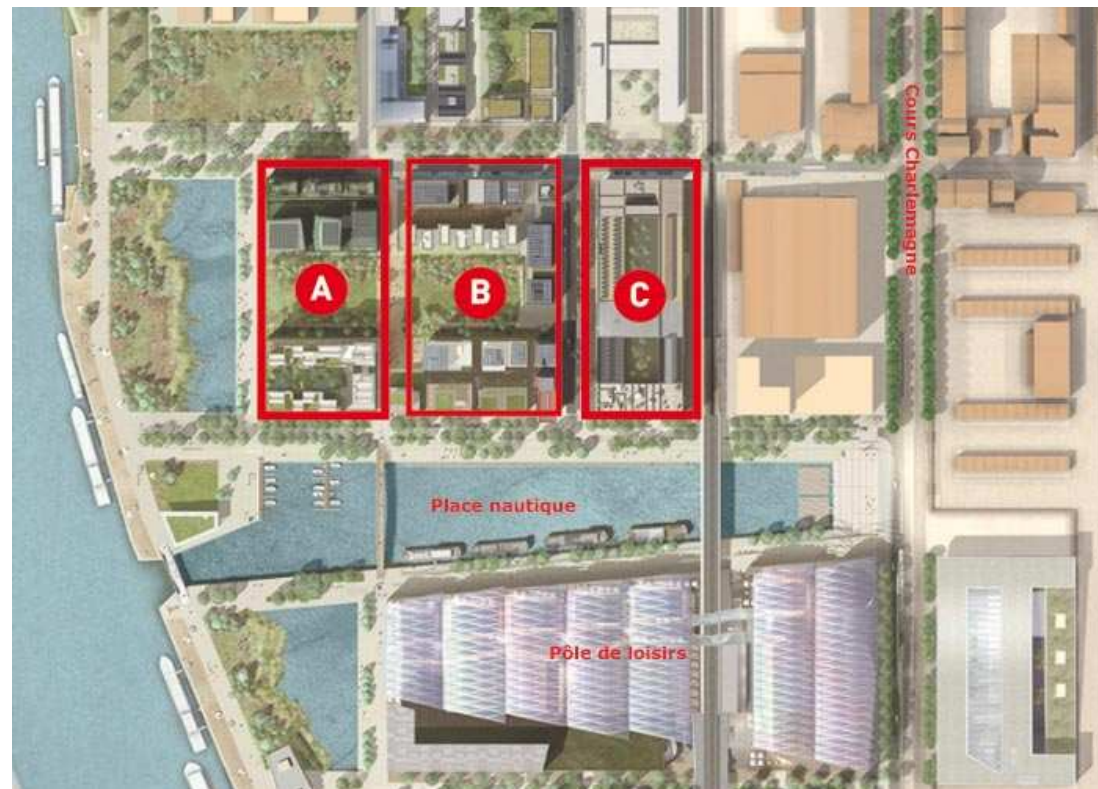
● Covenant of Mayors – commitments

- 2000 cities
- commit to strengthen the energy efficiency agenda for a low carbon economy: 20% reduction of CO₂ emissions
- **Sustainable Energy Action Plans**



● Learning from experience: Concerto initiative since 2005

- 58 communities across the EU
- public authorities directly involved
- pioneering a comprehensive approach
- integrating energy efficiency and renewable energy



Concerto project Lyon Renaissance

● Building blocks

● Energy

- » Energy in cities
 - planning and modelling of flows;
- » Energy networks
 - electricity and heating & cooling; improved components, systems and data flows;
- » Buildings
 - insulation, holistic approach;
- » Supply technologies
 - electricity and heating & cooling, local production

● Building blocks (continued)

● Transport

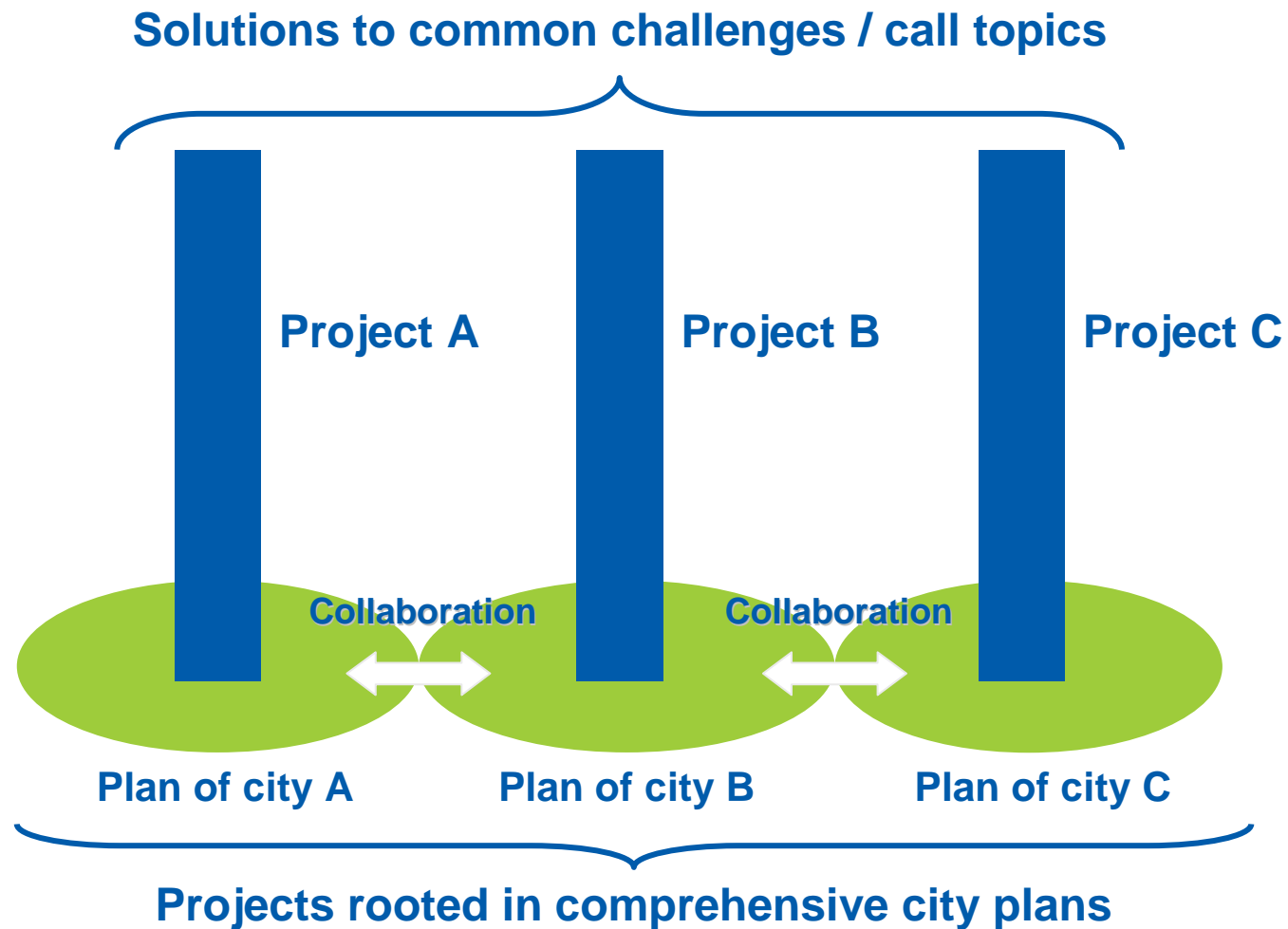
- » improve interconnections, inter-modal and co-modal transport;
- » improve public transport, non-motorised transport, passenger and freight logistics;
- » low carbon vehicles

● ICT

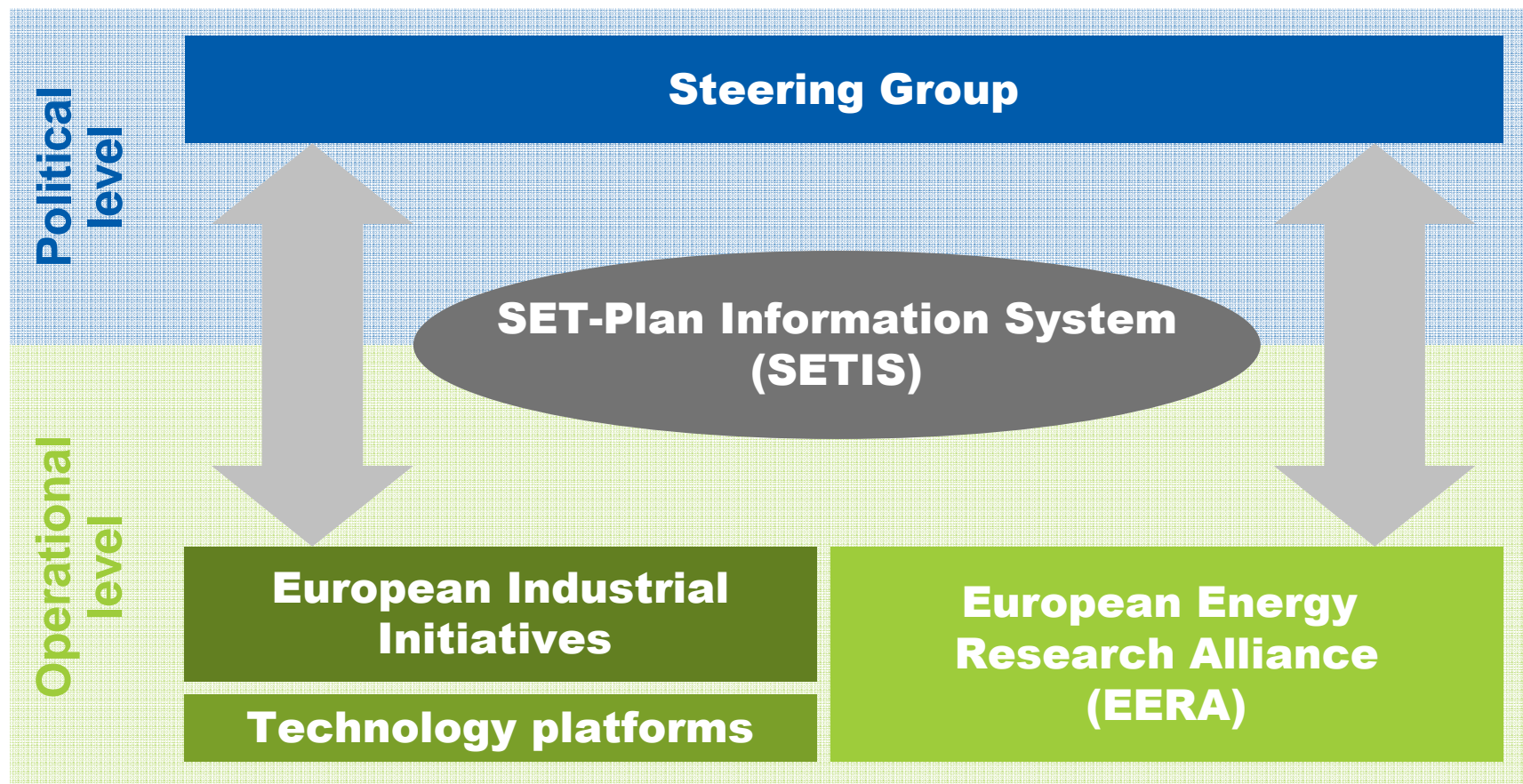
- » Cross-cutting applications related to energy or transport (e.g. ITS)
- » Modelling of energy flows



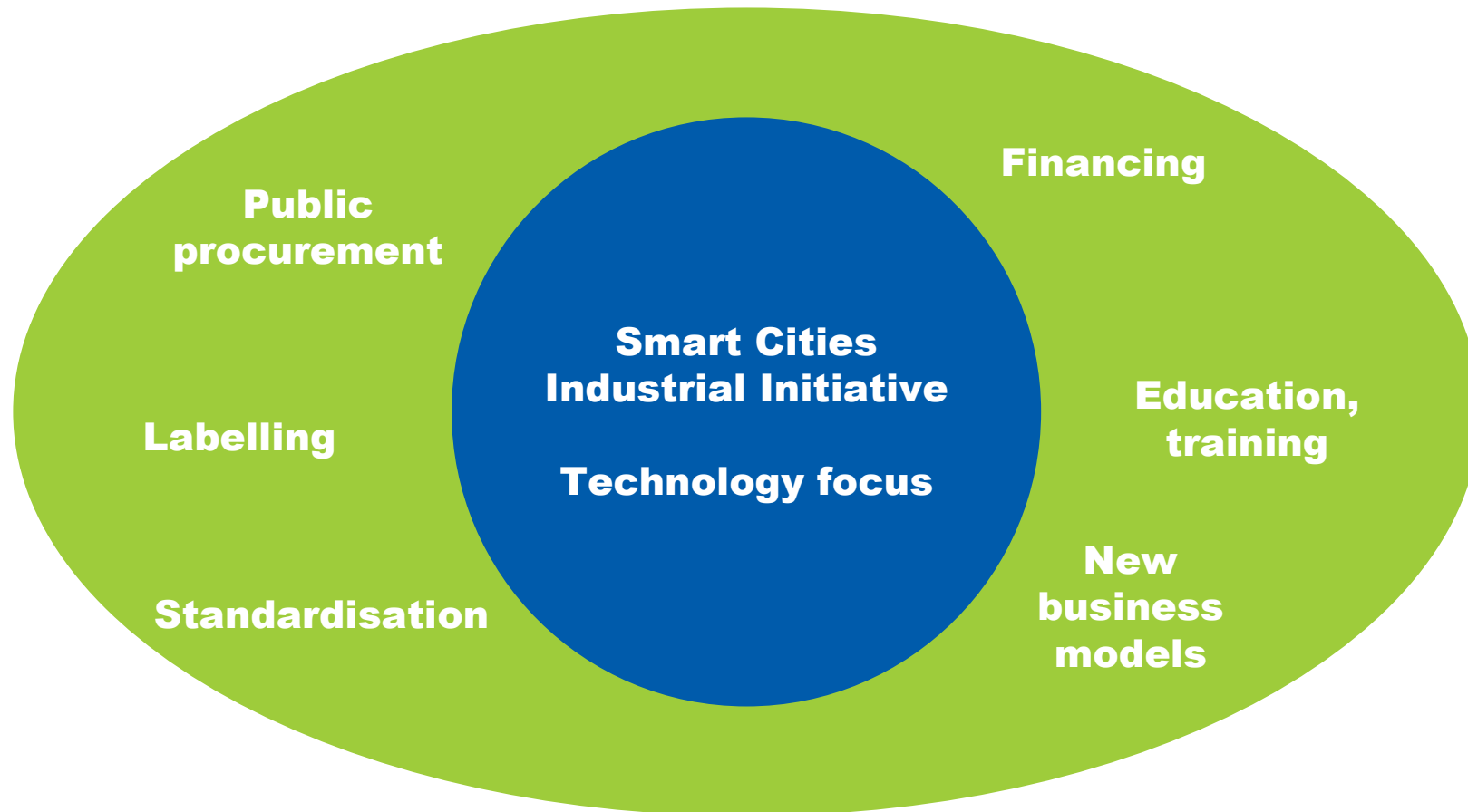
● Top down & bottom up



● SET-Plan Governance & Industrial Initiatives

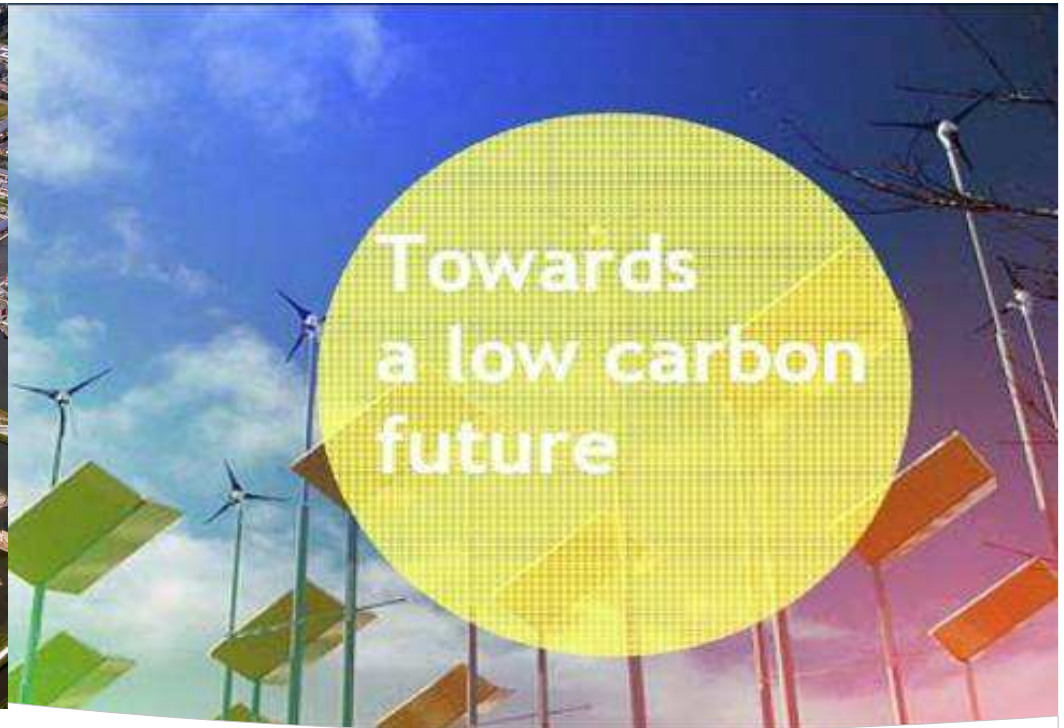


● Possible future of Smart Cities



● **Process and Next Steps**

- Until 13 May: Public Consultation
- Until 16 May: Tender to establish Stakeholder Platform
- 21 June: Launch conference
- 19 July: First call for proposals
- 2nd half 2011: establishing Stakeholder Platform
- December 2011: Closure of call



Thank you for your attention!

More information at:

http://ec.europa.eu/energy/technology/set_plan/set_plan_en.htm



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