Objective EEB-ICT-2011-6.5
ICT for Energy-positive neighbourhoods

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ICT for Sustainable Growth
European Commission
Information Society and Media Directorate-General
ICT for energy efficient buildings PPP
The 4 years strategy

- Call 2010
  - Buildings
  - 5 STREPs - 15M€

- Call 2011
  - Buildings and Surrounding spaces
  - 7 STREPs - 20M€

- Call 2012
  - Neighbourhoods
  - 30M€

- Call 2013
  - Extended urban/rural areas?
  - Smart cities?

- 7 STREPs - 15M€
- 30M€
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Target Outcomes

➢ Management and control systems

and / or

➢ Decision support systems

To achieve energy-positive neighbourhoods
and/or energy-positive extended urban/rural communities
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**Conditions**

**SHALL**
- Technical Research + Appropriate business models
  - How to split incentives
  - How to engage users
  - How to commit public authorities
- Beyond buildings
- Integration of renewables
- Connection to the electricity grid

**MAY**
- Interoperation with other ICT systems already deployed e.g. Traffic management, GIS
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Proposals SHALL Include
• Systems Integration
• A substantial validation Phase
  ➢ Record evidence of benefits
  ➢ Total cost of operation
  ➢ Scalability potential
  ➢ User benefits

Consortia MUST be compact
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**Expected Impact**

- Contribution to the opening of a market for ICT-based district/community energy management systems

- Establishment of a collaboration framework between the ICT sector, the buildings and construction sector and the energy sector

- Quantifiable and significant reduction of energy consumption and CO2 emissions through ICT.
Information Day
ICT for a low carbon economy

12 September 2011 Brussels

- Smart Electricity Grid
- Water resources management
- Energy-positive neighbourhoods


Source: RTD
Thank you for your attention!

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Disclaimer: the opinions in this presentation are those of the author and do not commit in any way the European Commission