Why Smart Cities and Communities?

- Improving quality of live, competitiveness and sustainability
- Exporting European knowledge in a strong growth market estimated globally at €1.3 trillion in 2020
SCC1 call 2015 – huge interest

- **42 proposals** (37 eligible) – twice as much as 2014
- **Over 1000 entities** represented in the proposal consortia (average 29/proposal)
- **96 proposed Lighthouse cities** in 25 countries (20 Member States and 5 Associated States)
- **113 proposed follower cities** in 33 countries, (24 Member States, 4 Associated States and 5 Third countries)
SCC1 call 2016

- **Smart and Sustainable Cities**
- **sustainable, cost-effective and replicable** district-scale solutions at the intersection of energy, transport enabled by ICT
- **intelligent, user-driven and demand-oriented** city infrastructure and services
- 'Lighthouse project' approach continued
Specific challenge

• Integrating
  • smart buildings,
  • smart grids,
  • energy storage,
  • electric vehicles and smart charging infrastructures,
  • latest generation ICT platforms based on open specifications
Scope

• Develop and test **integrated innovative solutions** at large scale

• Become the most advanced cities in Europe and act as **exemplars** for their region by **paving the way for replication** of these solutions
Balanced combination

• District of smart buildings (existing/new)
• Smart interaction of different energy systems at districts level
• Integration with low carbon ICT systems
• Electromobility

Industry, public authorities, research communities and small and medium-sized enterprises.
Non-eligible costs

- Costs of construction (including scale of unit costs),
- Costs of retrofitting (including scale of unit costs),
- Full cost of purchasing of electric vehicles,
- Costs of acquisition of standard ICT tools, conventional RES and their mounting
- Insulation of the building envelope, good windows; heat pumps, and other appliances
Eligible costs (1)

All those innovative aspects that transform the city into a smart city, such as for example:

- Integration of storage with all grids
- Innovative part of building management that is leading to a deep integration with the local energy system
- Smart integration of the electricity grid with RES, with electricity storage and heat storage at the district level
Eligible costs (2)

- Only the innovative parts of RES, suited for smart integration
- Integrated approaches and testing of "business" models for the local production and distribution of electricity together with electric vehicle fleets, to create the conditions for market take up
- Smart electricity, heat or cold storage and its management for maximising self-consumption
Eligible costs (3)

- only ICT platforms based on open specifications
- Economic research and development of new business models that avoid lock-in situations
- Training and education within and between cities
Foreseen contribution from the EU

between EUR 12 to 18 million / selected project
Dedicated Info Day "Smart Cities"
6 November 2015

Link to call text - CAVEAT still to be adopted