EIP Smart Cities and Communities (SCC): Lessons learned and Space

Catherine Laurent-Polz, Len van der Wal and Arun Junai

Brussels, 26 June 2014

Priorities of EIP SCC

› **Accelerate the industrial scale roll-out of smart city solutions integrating technologies from Energy, Transport, and ICT**

› **3 Vertical Areas**:
  › **Sustainable Urban Mobility**: Alternative energies, public transport, efficient logistics, planning – Space: e.g. navigation, air quality
  › **Sustainable Districts and Built Environment**: Improving energy efficiency of buildings and districts, increasing the share of renewable energy sources used and the liveability of our communities – Space: e.g. air quality, subsistence
  › **Integrated infrastructures and processes across Energy, ICT, Transport**: Connecting infrastructure assets to improve the efficiency and sustainability of cities – Space: e.g. air quality, subsistence, navigation

Priorities of EIP SCC

› **8 Key Horizontal Enablers**:
  1. **Citizen Focus**: how we include citizens into the process as an integral actor for transformation
  2. **Policy & Regulation**: creating the enabling environment to accelerate improvement
  3. **Integrated Planning**: how we work across sector and administrative boundaries, and manage temporal goals
  4. **Knowledge Sharing**: how we accelerate the quality sharing of experience to build capacity to innovate and deliver

Priorities of SCC

› **8 Key Horizontal Enablers (continued)**:

5. **Metrics & Indicators**: enabling cities to demonstrate performance gains in a comparable manner

6. **Open Data**: understand how to exploit the growing pools of data, making it accessible – yet respecting privacy

7. **Standards**: providing the framework for consistency commonality and repeatability, without stifling innovation

8. **Business Models, Procurement & Funding**: integrating local solutions in both the EU and the global market

Similar 'enablers' may be used in a future 'EIP Space'

Our Experience in setting up EIP SCC

› Different DGs involved: DG ENER, CONNECT, MOVE

› It takes time to contact and involve the right contact persons

› Numerous visits to EC Officers

› EIP Smart Cities wanted to involve only cities and industries

› Lobby to have RTOs in governance bodies

› Sherpa meeting every 2 months to prepare SIP and OP

› Results: VTT in HLG; AIT and TNO in Sherpa group

Evaluation of EIPs
(based on the EIPs Evaluation report)

› **Preparation phase:** Strategic Implementation Plan (SIP) is published and first draft of the Operational Plan (OP) is available

› **Towards the Implementation Phase:**

  › H2020 Calls related to EIP SCC/lighthouse projects

  › Invitation for Commitments open till 15 June 2014

    › Organisations share their existing or planned SCC related activities

    › To become later this year "Action Clusters" (i.e. working groups) thematically structured around the 11 priority areas defined in the SIP and cross-sectorial: ICT, energy and mobility

Relation between EIP SCC and EIP Space

› EIP SCC addresses a specific societal challenge; 'EIP Space' intends to provide solutions to multiple societal challenges

› EIP SCC is about the integration of technologies across different sectors, e.g. Energy, ICT, and Transport; 'EIP Space' intends to integrate different technologies regarding positioning, communication, monitoring, modelling and forecasting

› Both EIPs address complex issues with various stakeholders and put a strong emphasis on the role of end user communities

› SIP SCC can be used as a model to draft the first 'EIP Space' document

› Cooperation EIP Space/ EIP Smart Cities on Vertical Areas & Horizontal Enablers

Our Comments and Suggestions on 'EIP Space'

> Content of the current document is still quite general, with a lot of focus on to EIP framework

> Clearly indicate why an 'EIP Space' is needed:
  - Describe the goal of the EIP
  - Provide a thorough problem analysis
  - Define clear priorities (both technology/supply-side oriented, and enabler/demand-side oriented)
  - Provide context, challenges, ambitions and recommend actions

> Some 'Core' Space Applications could be addressed specifically, with specification on technologies and market relevance

Thanks for your Attention

Arun Junai

EU Manager

Industrial Innovation

TNO

Tel: 00 31 6 22 20 65 61

E-Mail: a.arun@tno.nl