The EIP-SCC
European Innovation Partnership for Smart Cities & Communities

- 4,600 partners
- 370 commitments
- 31 countries

Deliver: scale, acceleration, & impact,...

Through: common solutions, an integrated approach, & collaboration

Focus on Energy, Transport and ICT

H2020
- Lighthouse projects
- CSAs

6 Action Clusters

Citizen Focus

Integrated Planning / Policy & Regulations

Business Models

Integrated Infrastructures and Processes

Sustainable Urban Mobility

Sustainable Districts & Built Environment

Urban Platform

Humble Lamppost

Small Giants
The smart city data stack

The Urban Platform is an important part in an evolving integrated solution architecture

"Dog"

Societal Needs

The outcomes we strive for within a portfolio of city service domains

Services & Business Models

The operational basis by which data is consumed to add tangible value to key city stakeholders

City Data

The ‘fuel’ that offers an exciting new city narrative

Urban Platform

The means to configure, share, and interpret exponentially increasing volumes

Infrastructure

The base level connectivity that supports the platform

"Tail"

A city-needs-led approach: not the "tail wagging the dog"
Urban Platform Initiative in EIP SCC

Agree common requirements, and speed adoption
- Requirements
- Leadership guide
- Management framework

By 2025, ensure that **300m residents of EU cities** are supported by Urban Platform(s) to manage their business with a city and that the city in turn drives efficiencies, insight and local innovation through the platform(s)

110 cities

Demand Side
LoI

Supply Side
MoU

Standards

H2020 ESPRESSO

93 signatories

Bring together EU Industry to adopt common open solutions
- Reference architecture and design principles
- Standards
- Scale

Accelerate the adoption of Urban Platforms in EU cities
A Horizon2020 support action for the EIP SCC Urban Platforms

- Promote the use of standards to achieve interoperability
- Status quo of current standards and Platforms
- Understand business and societal impacts
- Promote the Urban Platform as the enabler for Smart City solutions
- 16 Partners, 4 SDO, 4 system integrators, 2 cities
Two use cases:
- Waste paper containers
- Ground Water Level

Open Standards Sensor Things API
Semantic Interoperability
SAREF ontology

- SAREF (Smart Appliances REFerence ontology) - one common "language" for any home appliance to talk to any energy management system/entity
- Fast track standardisation via a study by a broad stakeholder community -> Global ETSI/OneM2M standard in 2015
- Version 2
  - modular structure with extensions
  - Energy, Building, Environment ready
  - More under development, notably Smart Cities (Stakeholder workshops – IoT Week 2018 and EC premises)
- ESPRESSO and Synchronicity working on it
More information on:

EIP SCC:
http://ec.europa.eu/eip/smartcities/
https://eu-smartcities.eu/

Platforms:
https://eu-smartcities.eu/urban-platforms

Letter of Intent:

MoU on urban platforms
https://eu-smartcities.eu/sites/all/files/Memorandum_of_Understanding_on_Urban_Platforms_0.pdf

H2020 Espresso:
http://espresso-project.eu/
Thank you for your attention!

Still questions?

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Some milestones

- June 2011
  SET Plan Initiative

- July 2012
  European Innovation Partnership for Smart Cities and Communities (EIP-SCC)

- March 2013
  Green light from EU Council

- October 2013
  Adoption of Strategic Implementation Plan

- 2014-2016
  Development of the EIP-SCC Market Place with involvement of 100+ cities and 100+ companies in concrete roll-out initiatives

- 2017
  Complete rebuild of the EIP-SCC Market Place towards bankable projects