WE ARE
FUTURE
CITIES
CATAPULT
Cities - the most enduring human achievements
OPEN & AGILE SMART CITIES
A Global Smart City Market

• Strong demand-side voice
• Open, global standards
• Support local economy
• Avoid vendor-lock-in
• Avoid city lock-in
To be smart, cities need

- City collaboration
- Interoperability mechanisms
- Systematic experimentation
- Tools for co-creation
Driven by Implementation

Open API’s

Data models

Open Data Stores

We create an open smart city market based on the needs of cities and communities
104 cities
22 countries
Europe, Latin America, Asia-Pacific

6th WAVE: 7 JUNE

www.oascities.org
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Contribution to standards

- ETSI Industry Specification Group for Context Information Management (ISG CIM) (addressing IoT & smart cities, based on OASC)
- EIP-SCC: 2 CSAs: CITYKeys & ESPRESSO
- AIOTI: WG3 (standards), WG8 (smart cities)
- SF-SSCC (SSCC-CG) etc.
- ITU-T (connection to UN SDG11)
Way forward

- **CIVIC**
  Driven by citizen needs, backed by industry

- **COMMON**
  Specifications & standards (~GSM, Wi-Fi, Visa)

- **CONCRETE**
  Linking instruments (projects, policy, financing)

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IoT Large Scale Pilot for Smart Cities

Taking on the challenges of digitalization, together.
A Global Market for IoT-Enabled Urban Services

[Map showing regions with green dots indicating cities and regions involved in the market.]
• 34 partners, 11 countries, 33 months (Jan 2017-Sep 2019).
• Budget: 20m€ (15m€ EC) / 3m€ for open calls.
• 8 Core cities: Antwerp (BE), Eindhoven (NL), Helsinki (FI), Manchester (UK), Milan (IT), Porto (PT), Santander (ES), Carouge (CH).
• Linked cities in Mexico, South Korea, USA and Brazil.
• European IoT Large Scale Pilot Programme.
• Leveraging: OASC, AIOTI, EIP-SCC, FIWARE, FIRE.
SYNCHRONICITY PARTNERS

AARHUS UNIVERSITY
FORUM VIRIUM HELSINKI
Aalto University
MANCHESTER CITY COUNCIL
OPEN & AGILE SMART CITIES

Atos
ENGINEERING
EINDHOVEN

Rombit
Porto.
AYUNTAMIENTO DE SANTANDER
CATAPULT Future Cities
PHILIPS

European Network of Living Labs

hap
unec
Universidad de Cantabria
CATAPULT Digital
UDG

TST
heijmans

Ville de Carouge
Mandat International
ubiswhere

Seongnam City
- **Digital Single Market** for urban IoT
- **Common, co-created IoT-enabled urban services**
- **8 reference zones** in Europe & other cities globally
- Incentivise **trust in companies**
- **Trust for citizens** to participate
- environment of **evidence-based solutions**
SynchroniCity will deliver a **harmonized ecosystem** for IoT-enabled smart city solutions where IoT device manufacturers, system integrators and solution providers can innovate and openly compete.

SynchroniCity will establish a **reference architecture** for the envisioned IoT-enabled city market place with **identified interoperability points** and **interfaces and data models** for different verticals, including tools for co-creation & integration of legacy platforms.
**WORKPLAN**

Staged, ambitious (33 months) including an open call for SMEs
SYNCHRONICITY & STANDARDS
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Thank you