



Co-financed by the European Regional Development Fund

Inspire Policy Making with Territorial Evidence

Territorial and Urban Dimensions for Scaling up Digital Innovation

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Linkages to the Urban Partnership



eHealth – Future Digital Health in the EU

Targeted Analysis

Final Report
Version 25/03/2019

T⁴ – Territorial Trends in Technological Transformations

Applied Research

Interim Report



Policy

Priorities

- A European Green Deal
- A Europe fit for the digital age
- An economy that works for everyone

Research and innovation

- Mission area “Climate neutral smart cities”
- Horizon Europe (>12b€ digital)

Implementation

- Digital Europe Programme (9b€)
- Connecting Europe Facility (3b€)
- DESI-local
- Scale-up declaration

Infrastructure

- Regional/Structural funds

By candidate for President of the European Commission

Ursula von der Leyen



**POLITICAL GUIDELINES FOR THE NEXT
EUROPEAN COMMISSION 2019-2024**



**JOINING FORCES TO BOOST DIGITAL TRANSFORMATION
IN EUROPE'S CITIES AND COMMUNITIES**

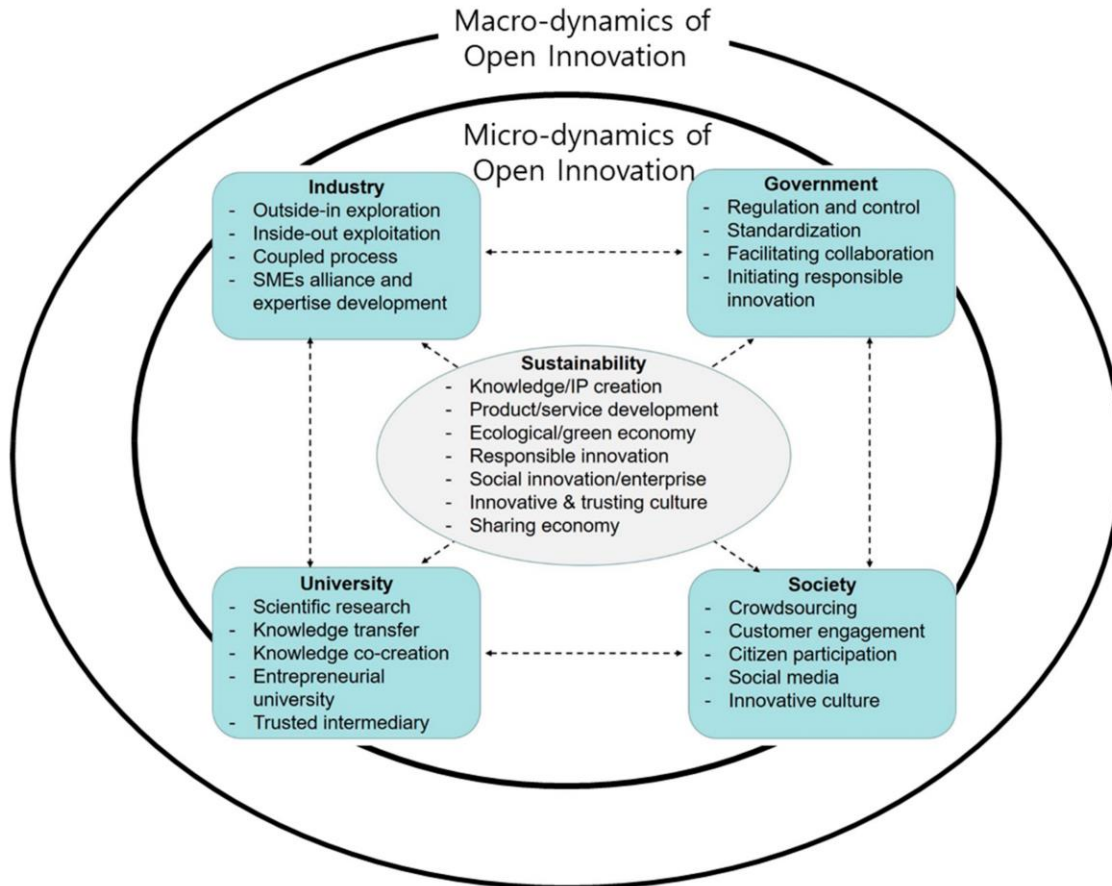
“Collaborate, Empower, Sustain”

We, the EU, national, regional and local decision makers together with the main organisations, networks and initiatives of cities, believe in a strong European cooperation between all levels of government in the EU to achieve a better uptake, further enhancement and upscaling of a citizen-driven digital transformation in cities and communities.

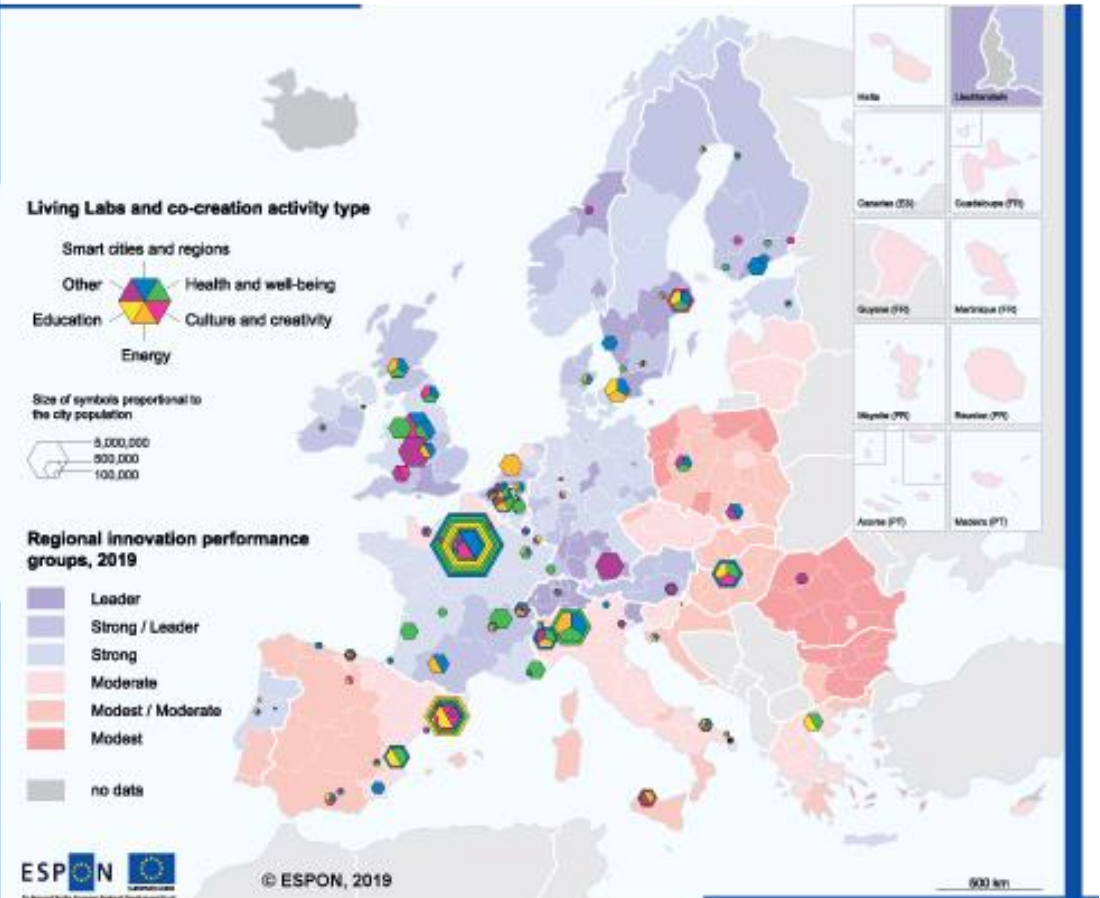
Key reflections

- **Human centric and holistic approach is key to success** - openness and co-creation of strategies and solutions ensures their usefulness and guarantees the buy in of the end-users - **but difficult to implement**;
- **Public sector is the main driver for thoughtful innovation**; linking government to tech development is key (**organizational change**);
- **Collaboration is essential** - all sectors and departments – must collaborate (local, national, international); **digital integration of policies and systems allows for cross-sectoral and more integrated approach to governance and a better use of its resources**;
- **Finding realistic, implementable common ground** - Open data, standards and interoperability foster digital innovation, allow for faster delivery of services, stimulate businesses and empower citizens and governments - **Interoperability must connect, but not overwhelm**;
- **Good links between formal and informal networks (Governments, NGOs) is key to this transition** - international and national networks and commitments are significantly empowering cities and accelerating the creation and adoption of digital innovation;

Citizen-driven innovation ecosystems



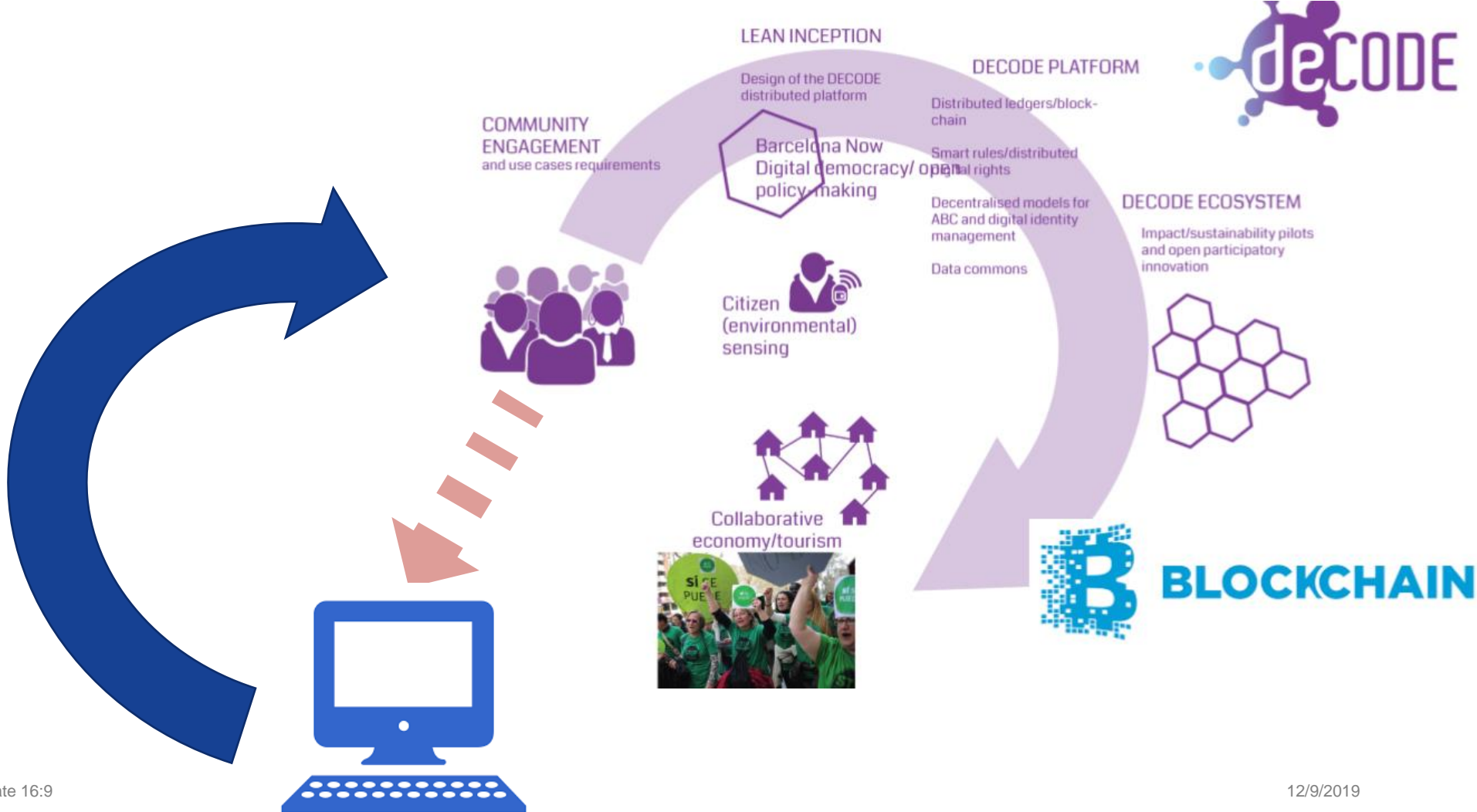
Co-creation in cities and regional innovation performance



Additional explanation of the legend:
In case there are multiple Living Labs in a given city, they are aligned by the center and stacked inside one another for better readability. Only the outer border represents the city size.

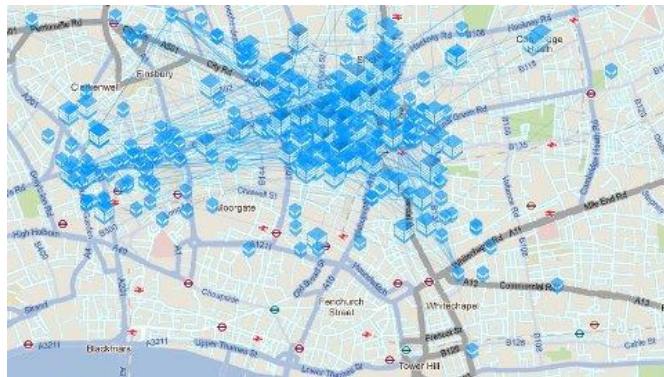
Regional level: NUTS 2H (2016)
Source: ESPON ESTIC, 2019
Origin of data: EPNLL, EC, 2019
© LIMS BATE for administrative boundaries

Socially responsible access, use, sharing and management of data

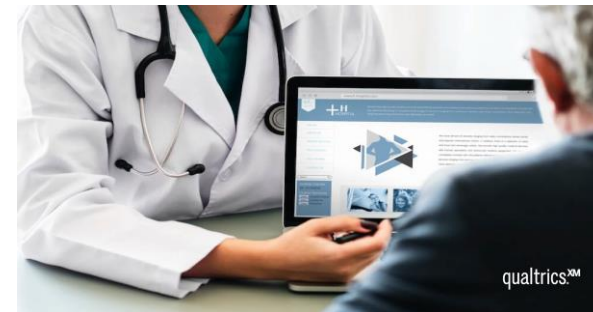


Holistic approaches, organisational change and collaboration

Cluster



Sector



City



Interoperable urban platforms with open standards, APIs and shared data models



140 cities in 29 countries

Global network of local networks of cities and communities

Standards-based innovation and procurement across sectors.



MINIMAL INTEROPERABILITY MECHANISMS (MIMs)

A roadmap based on existing standards and mechanisms, governed by cities, supported by suppliers and infrastructure providers.



SYNCHRONICITY

IoT Large-Scale Pilot on Smart Cities & Communities (15/20m€)

Set up to validate and mature the OASC MIMs at scale.

20 cities, 50 services – running on the same common technical ground.

Catalogue of validated services based on standards.



Scaling up digital through networks

- EIP-SCC
- Eurocities
- Open and Agile Smart Cities
- European Network of Living Labs
- Digital Transition Partnership of the UA
- Digital Cities Challenge
- Urbact
- Urban Innovative Actions
- The European Committee of the Regions



“International and national networks and commitments are significantly empowering cities and accelerating the creation and adoption of digital innovation.”

Procuring digital innovation



FABULOS project

- Helsinki
- Porto
- Gjesdal (NO)
- Helmond (NL)
- Lamia (EL)
- Estonia



Policy recommendations

Local level

“Redefine digital city goals so that citizens, local environment and economy and their intrinsic needs are at the center of every objective, instead of the usual urban domains, such as utilities and transportation.”

- APPOINT DIGITAL LEADERS AND ADD THE SKILLS
- BREED A CULTURE OF DIGITAL INNOVATION
- BECOME CITIZEN-CENTRIC, ENGAGE AND EMPOWER
- FOSTER A CIVIC INNOVATION ECOSYSTEM THROUGH OPEN INNOVATION
- COLLABORATE AND NETWORK
- ADOPT GOOD PRACTICES
- INTEGRATE DIGITALLY, DRIVEN BY DATA
- EMPHASISE (FUTURE) INTEROPERABILITY, STANDARDISATION
- IMPROVE PROCUREMENT POLICIES
- SCALE FROM PILOTS TO GLOBAL MARKET

Policy recommendations

National level

“Create an enabling framework for knowledge and innovation to move between policy themes and agencies through cross-pollenating pathways.”

- CREATE A DATA-DRIVEN CULTURE
- REINFORCE THE IMPLEMENTATION OF DIGITAL INNOVATION STRATEGIES
- ADOPT LEGISLATION
- PROTECT CITIZENS
- STRENGTHEN INSTITUTIONAL CAPACITY, DEVELOP SKILLS
- DEVELOP COMPETENCE CENTRES
- PROMOTE NETWORKING AND CROSS-POLLENATE INNOVATION THROUGH MULTILEVEL GOVERNANCE

Policy recommendations

EU level

“Cross-border interoperability of digital systems and standard based approaches, open data and APIs should be the cornerstone of Future Digital Agenda and Cohesion Policy.”

- HIGHLIGHT SUCCESS STORIES, PROMOTE ADAPTATION AND SCALE-UP
- PROMOTE INTERNATIONAL STANDARDISATION
- FIND REALISTIC, IMPLEMENTABLE COMMON GROUND
- IMPROVE FUNDING FOR DIGITAL INTEGRATION OF DIFFERENT POLICY AREAS
- DEVELOP LOCAL DESI TO MEASURE DIGITAL TRANSFORMATION IN CITIES



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Thank you!

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EU2019.FI | Suomen
EU-puheenjohtajuus

Workshop E

Digital Transition

27-28 November 2019 // Helsinki, Finland



Network: EpicenterHelsinki
Password: DigitallyDriven