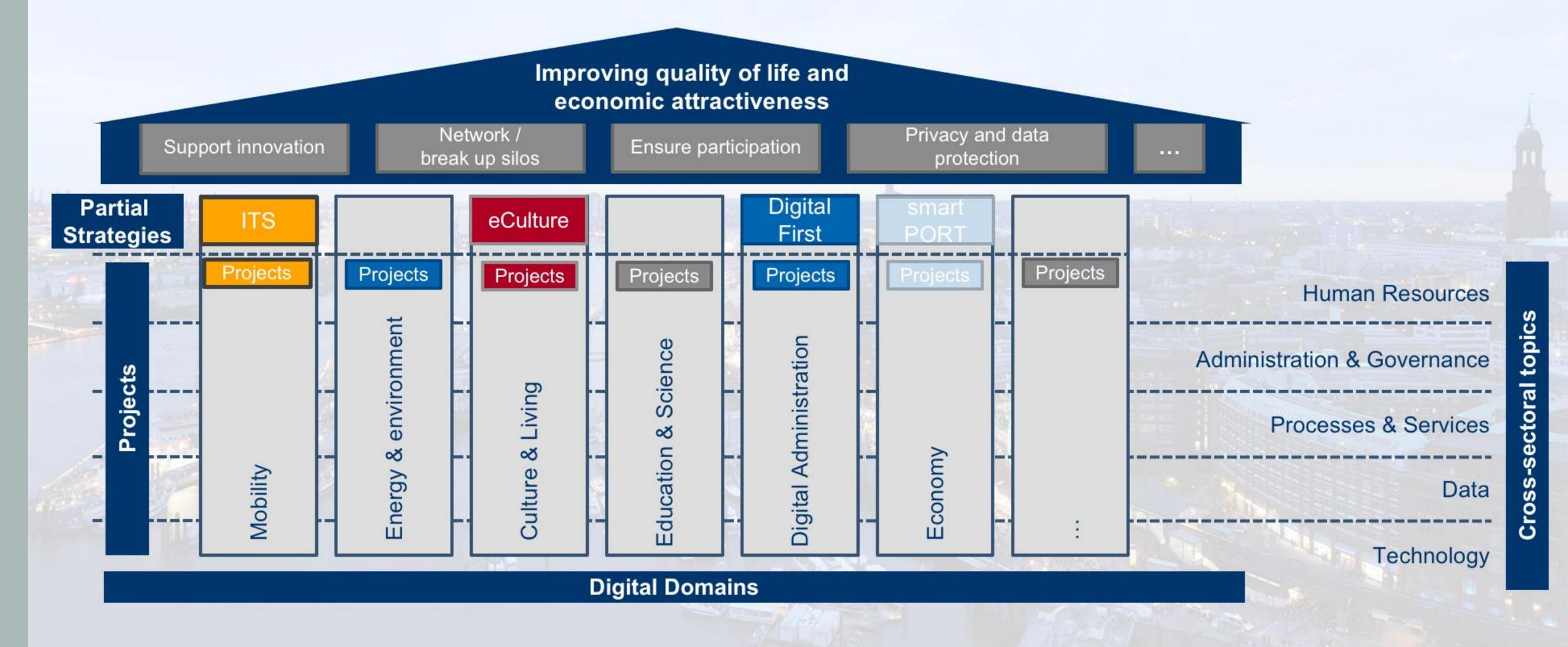


# Background

**Prof. Jens Bley:** 

- CityScienceLab@HCU
   Initiator SmartSquare
   Co-Founder eCultureLab
   Urban Testbeds
- Hamburg Chamber of Commerce
   15+ years Digital Economy
- Digital Economy Cluster Hamburg
   Management Board
- Entrepreneur20+ years Digital Transition
- Europeana Impact Task Force
- World Cities: Hamburg-Melbourne

# Context: Digital City Hamburg Strategy



### Context

Smart Cities - more tangible and increase transferability

Smart Cities - smaller urban entities: squares / quarters / precincts

Smart Cities - Vertical Perspectives / Value Lenses:

Culture

Retail

Tourism

Mobility

• • •

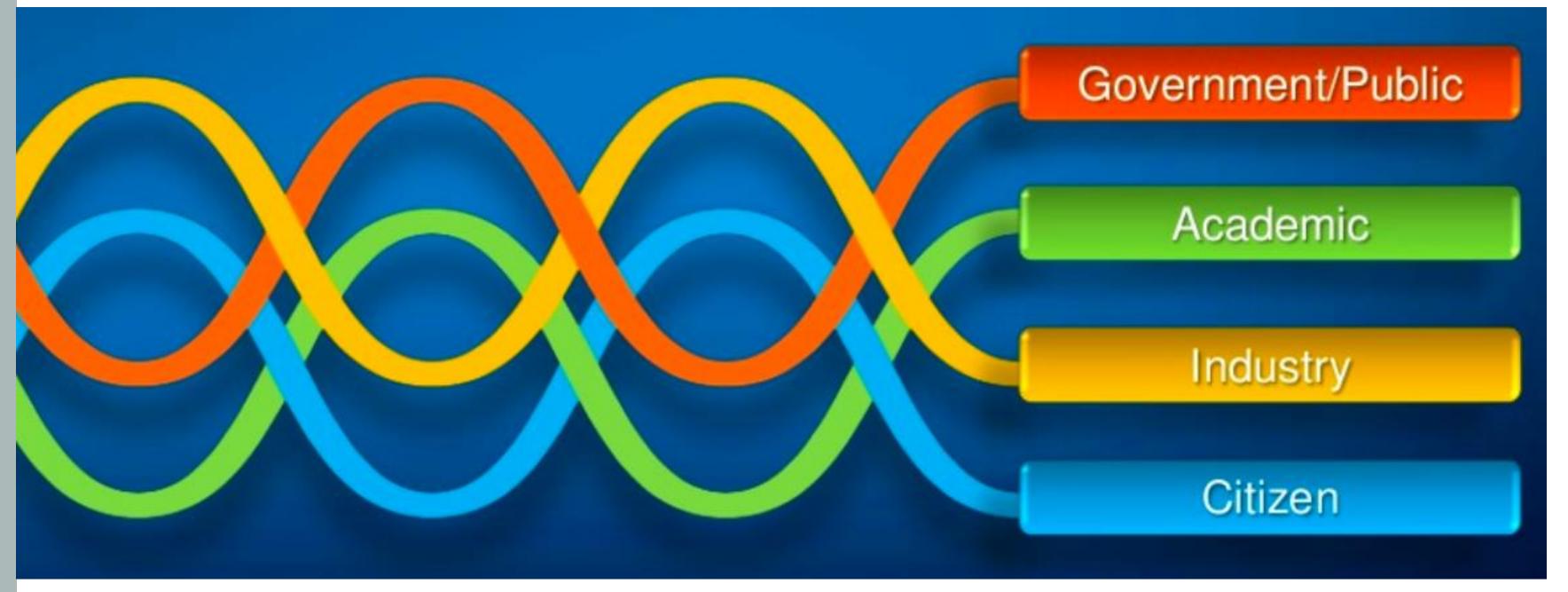


# Context: Multiple Stakeholders

Smart Cities - Quadruple Helix Innovation

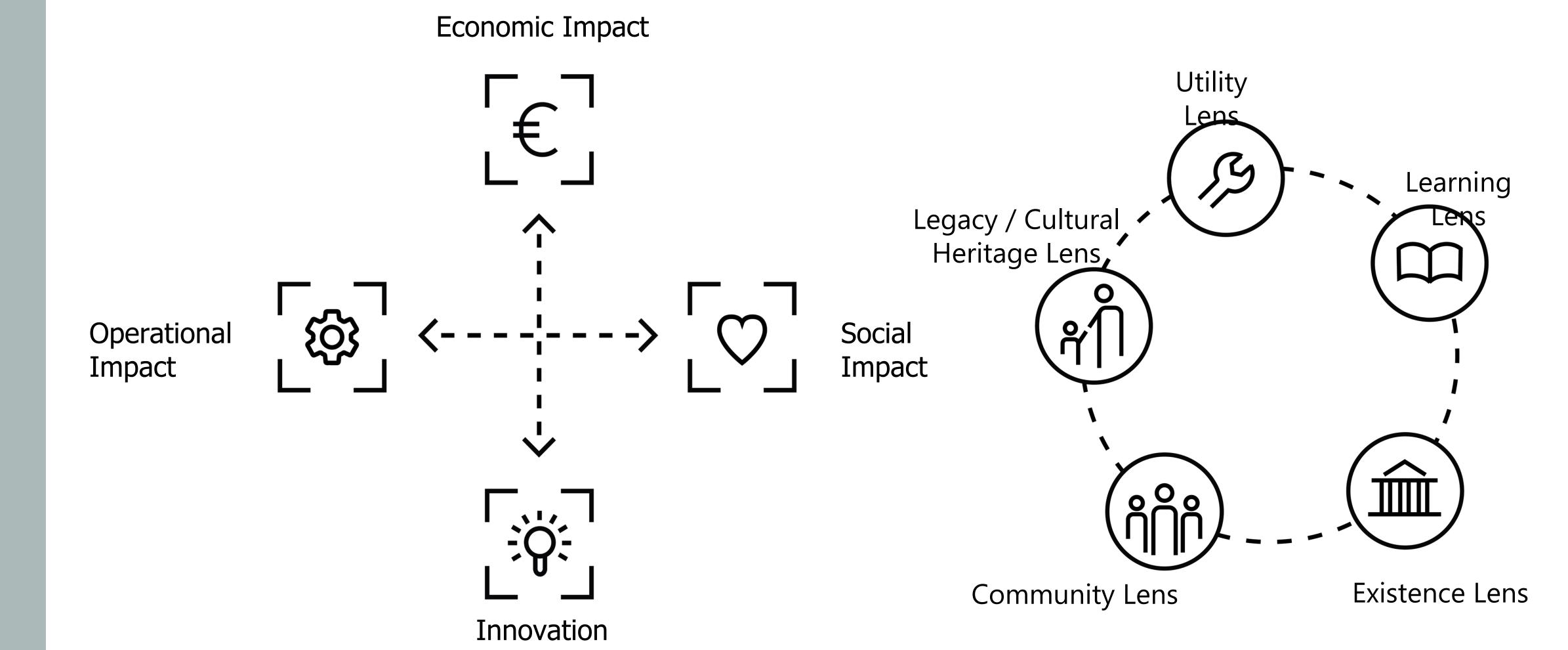
Smart Cities - Multiple Stakeholders Engagement

Smart Cities - Co-Creation of Innovations / Services



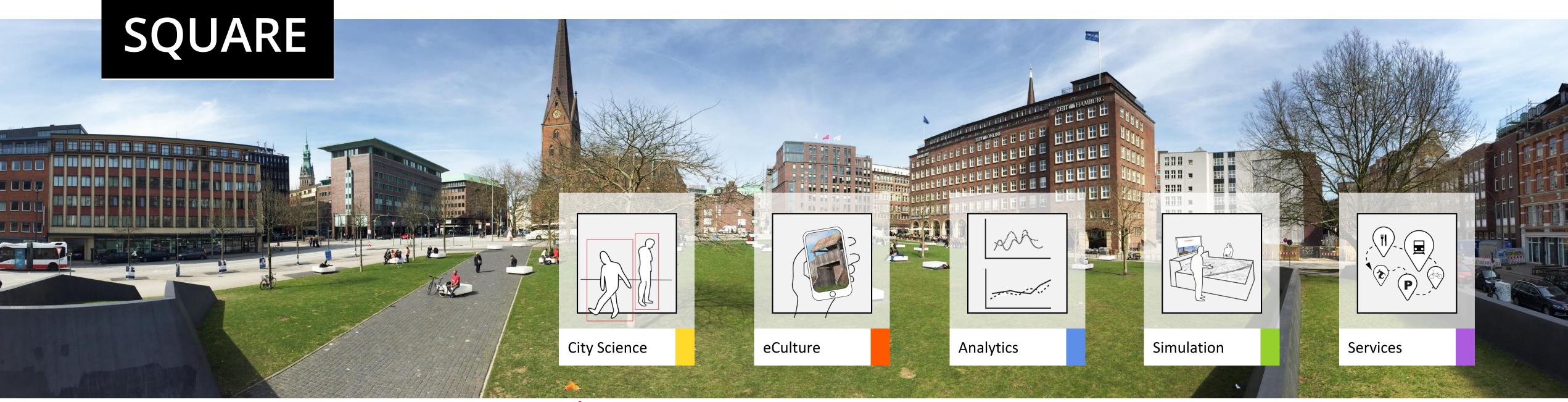
https://www.slideshare.net/DCSF/open-innovation-20-charlie-sheridan-vinny-cahill-plenary-4-final

# Impact Perspectives STAKEHOLDERS Value Lenses



# Revitalization of an Inner City Urban Square in Hamburg

by means of digital cultural storytelling, data analytics, simulation and service scenarios





SMART





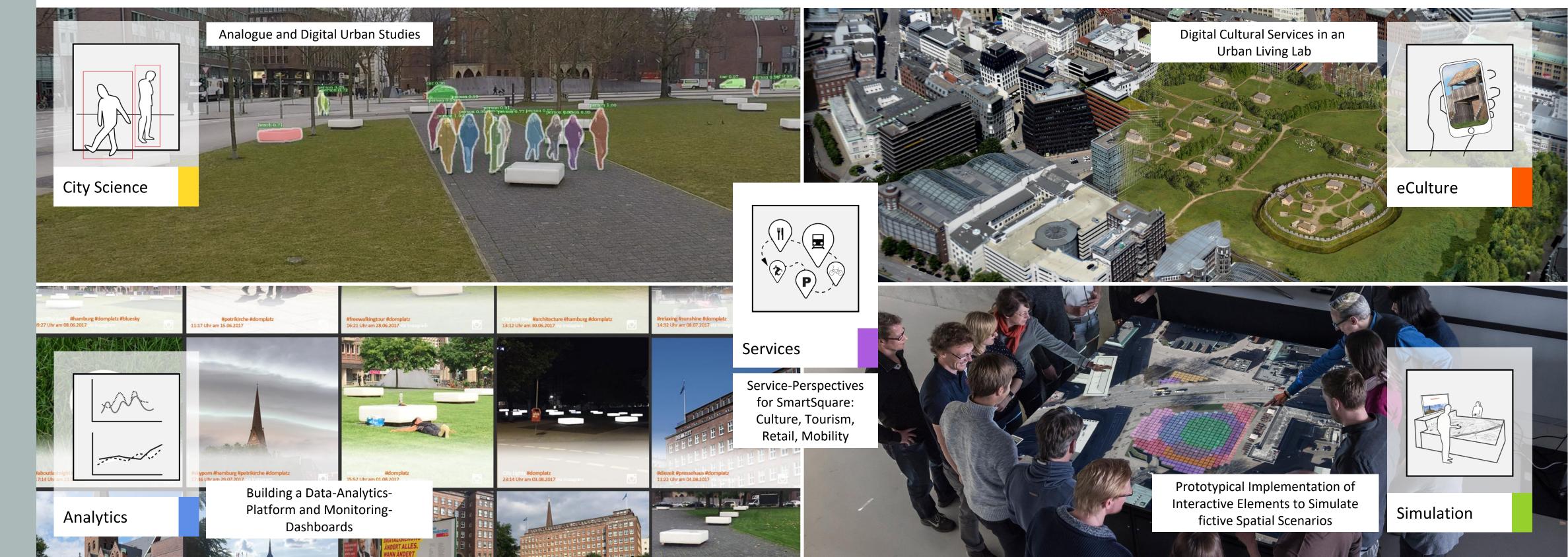




SMART **SQUARE** 



Revitalization of an Inner City Urban Square in Hamburg by Means of Digital Cultural Storytelling, Data Analytics, Simulation and Service Scenarios





# Analogue and Digital Observation

Participant Observation

User-/Resident-/Passer-by-Interviews

**Photo Analytics** 

**Camera Detection** 

**Motion Tracking** 

Use of the Installations

**Digital Communication Analysis** 

SMART

**SQUARE** CULTURE IN SMART CITIES



# Uniqueness

- **Smart Culture in Smart Cities**
- Physical and digital dimensions of the square
- Method Mix: analogue and digital
- Multi Stakeholder Perspectives
- Integrated Service Scenarios
- **Urban Testbed**

## Transferability

Urban Testbeds: Aarhus, Athens, Auckland, Ghent, Glasgow, Cape Town, Melbourne, Trondheim, ...

Institutions: City Labs, Cluster Organizations, Cultural Institutions, Universities

Methods: CSL & eCL, Gehl Institute, Europeana Impact Modelling, DARIAH, Smart City Index, ...







## Transferability

Innovationsforum eCulture 2017/18: SME forum, VR/AR, Urban Media, Business Models

Travelling Conference 2019: Innovation for um to Australia und New Zealand

Horizons 2020 - STARTS: Artist-driven service innovations in urban testbeds (arenas), Co-Creation

Horizons 2020 - Digital Transformation / Cultural Heritage: MySmartCulturalQuarter(s)







#### 1. Urban data platform

#### Melbourne



3D Development Activity (3D DAM)

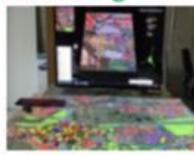


Pedestrian counting system



Land Use & Infrastructure Planning

#### Hamburg



CityScope 2.0/ DIPAS



Jrban platform masterportal/ API



City Cockpit/ City Keys

#### 2. Smart city urban / living lab

#### Melbourne



Queen Victorian Market Redevelopment



CityLab



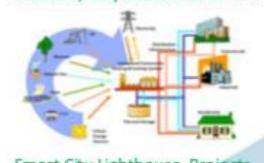
#### Hamburg



Smart Square



eCulture/ CityScienceLab of HCU



### Cooperation

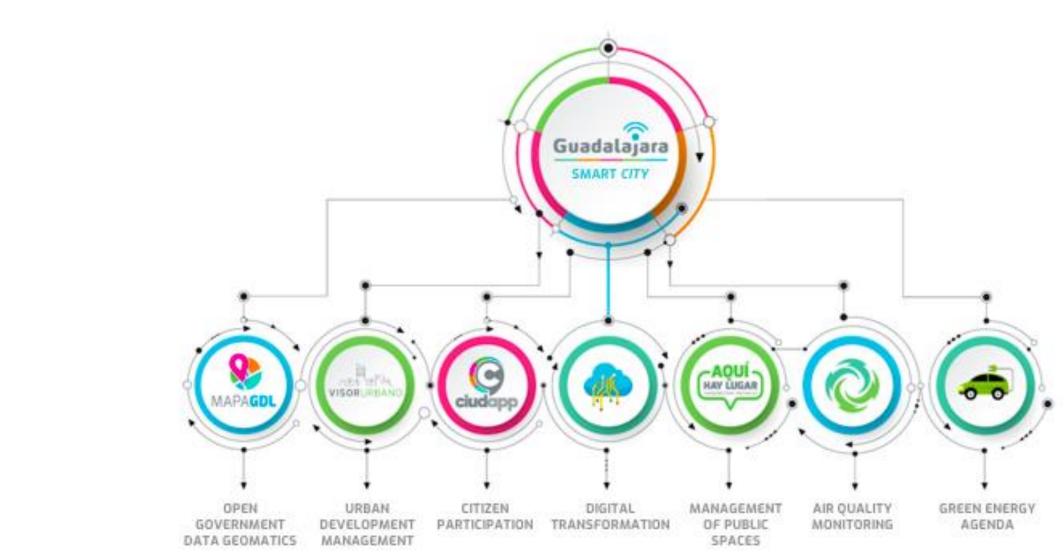
#### **Commonalities:**

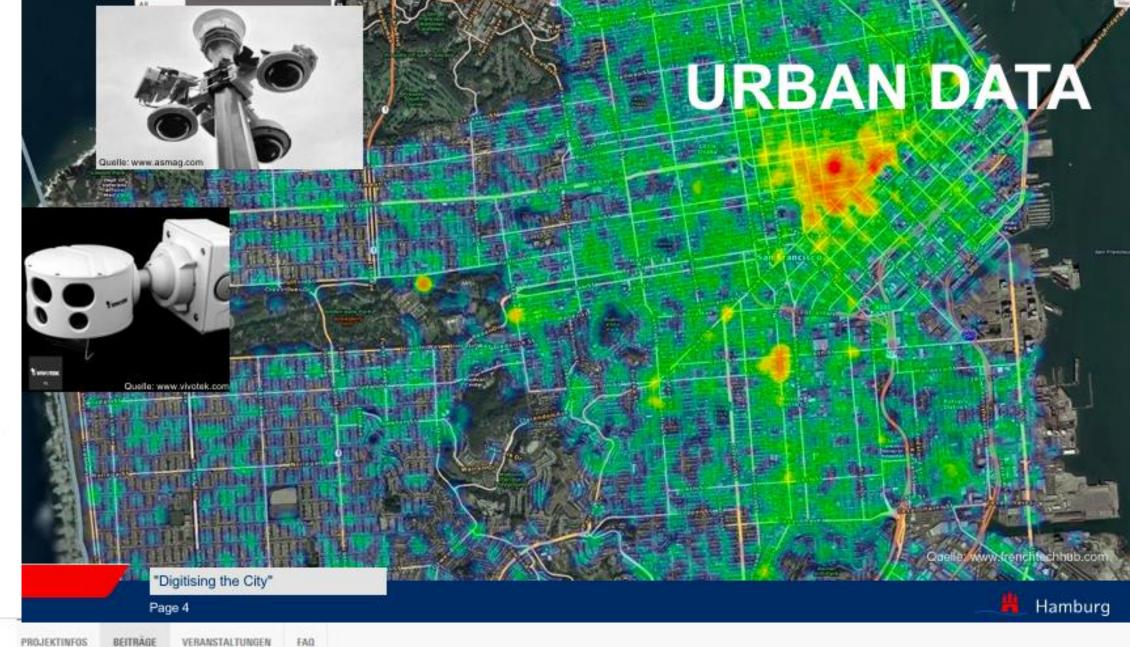
- Urban Data / Platform
- Urban Testbeds
- Governance (Digital First)
- City Lab / CityScienceLab

#### **Manageable Activities**

- Staff Exchange
- Tools & Platform Design
- Urban Testbed Cooperation

In **Guadalajara**, we are working on transforming the city into **Smart City**.



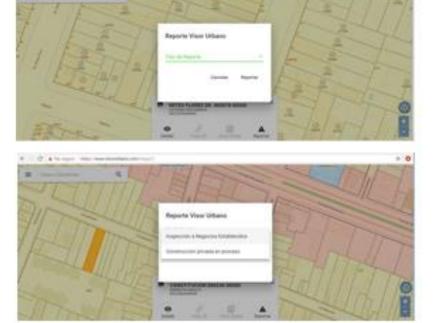


#### Citizen Reports



One can look up the information on Visor Urbano

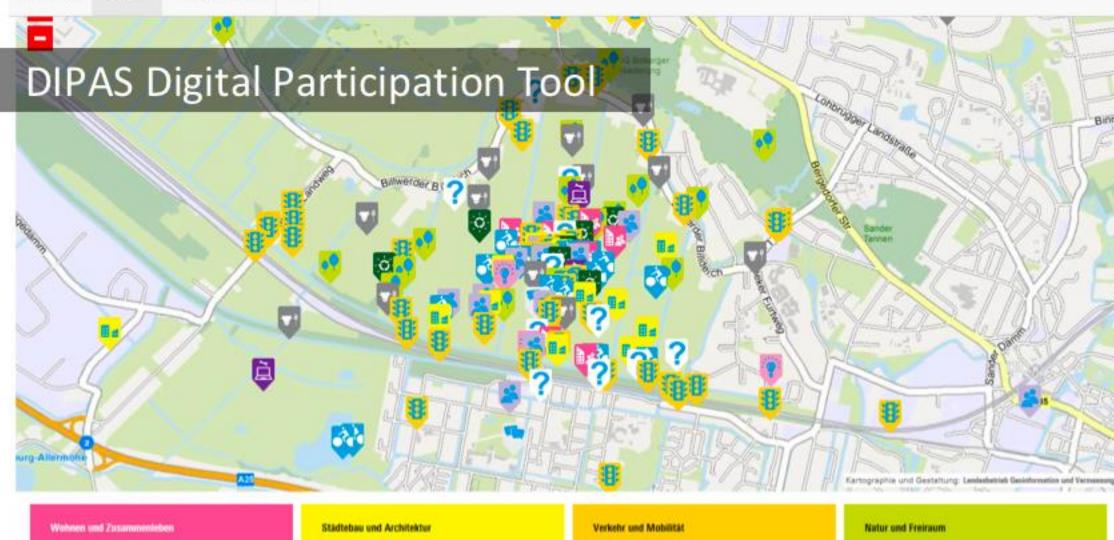




Citizen can write the report on Ciudapp



D.



# Cooperation

Quadruple Helix Innovation including Cluster Organizations

**City Labs / City Science Labs** 

**Urban Data - Urban Data Platform** 

**Urban Testbeds** 



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