

### **Background**

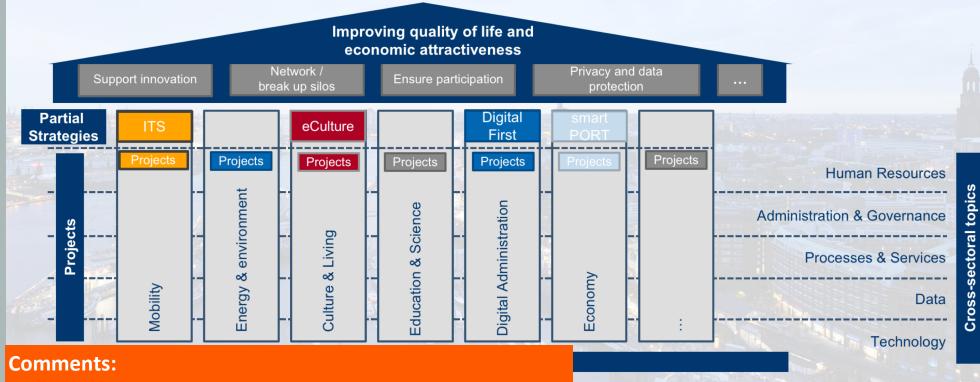
**Prof. Jens Bley:** 

- CityScienceLab@HCU

   Initiator SmartSquare
   Co-Founder eCultureLab@HCU

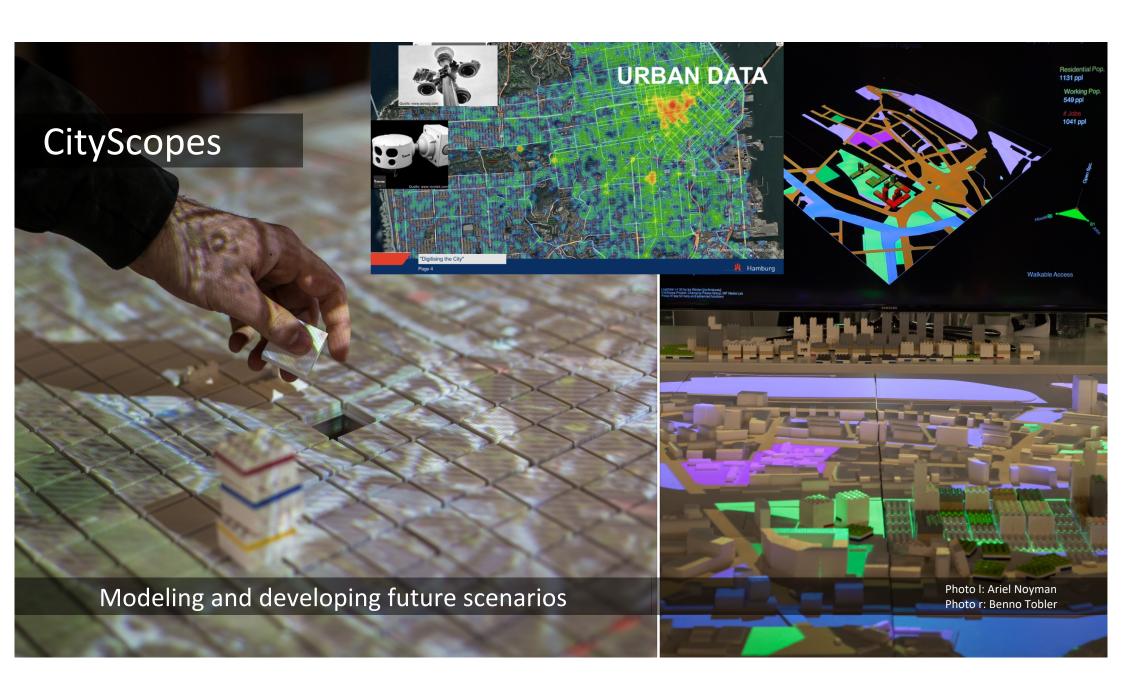
   Urban Testbeds
- Hamburg Chamber of Commerce 15+ years Digital Economy
- Digital Economy Cluster Hamburg Management Board
- Entrepreneur
   20+ years Digital Transition
- Europeana Impact Task Force
- World Cities: Hamburg-Melbourne

### **Context: Digital City Hamburg Strategy**



CityScienceLab is part of the digital strategy of Hamburg Partial digital strategies are the context for specific actions

www.mediaserver.hamburg.de / Michael Zapf



### **Context**

Smart Cities - more tangible and increase transferability

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

Smart Cities - Vertical Perspectives / Value Lenses:

Culture

Retail

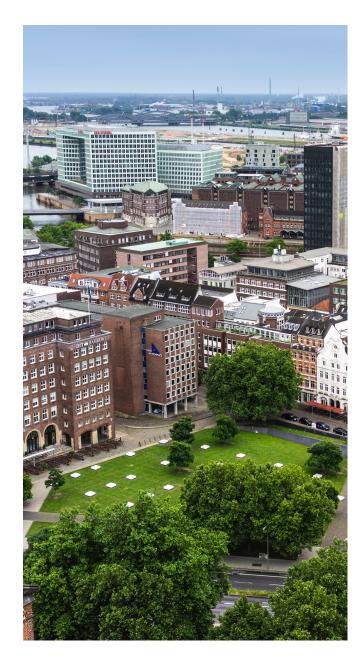
Tourism

Mobility

•••

#### **Comments:**

Smaller urban entities makes "Smart Cities" more tangible Vertical perspectives increase focus and measurability Both "filters" enhance relevant stakeholders inclusion



### **Context: Multiple Stakeholders**

Smart Cities - Quadruple Helix Innovation

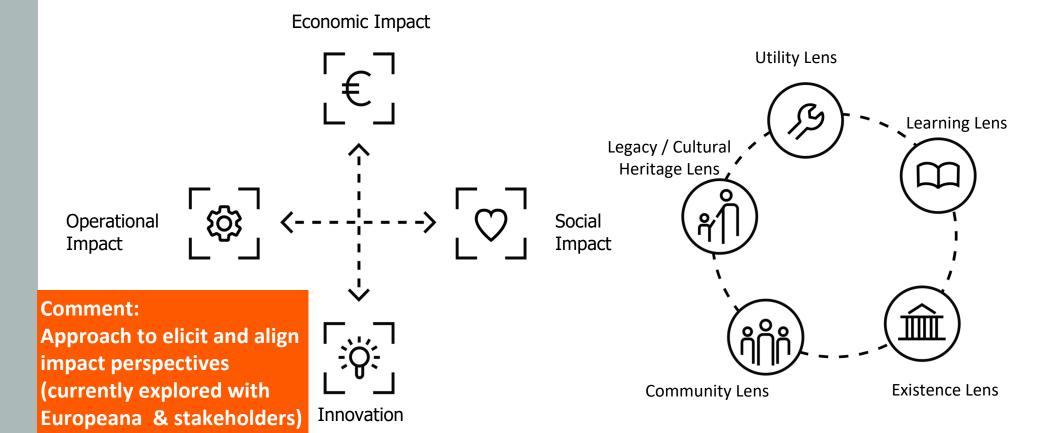
Smart Cities - Multiple Stakeholders Engagement

Smart Cities - Co-Creation of Innovations / Services



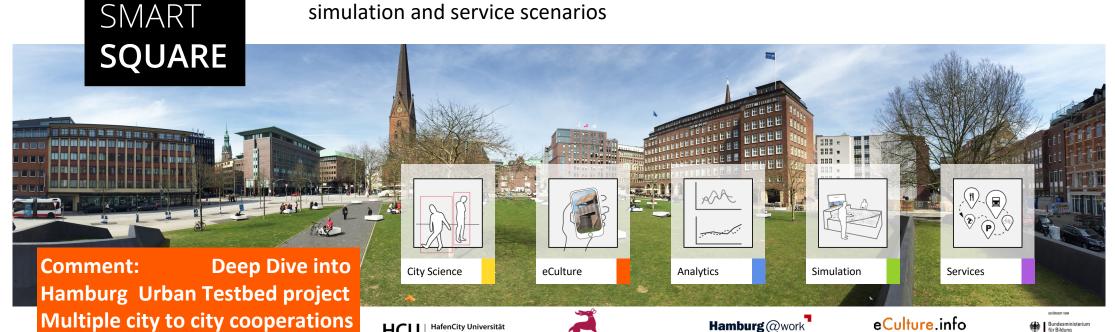
https://www.slideshare.net/DCSF/open-innovation-20-charlie-sheridan-vinny-cahill-plenary-4-final

### 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

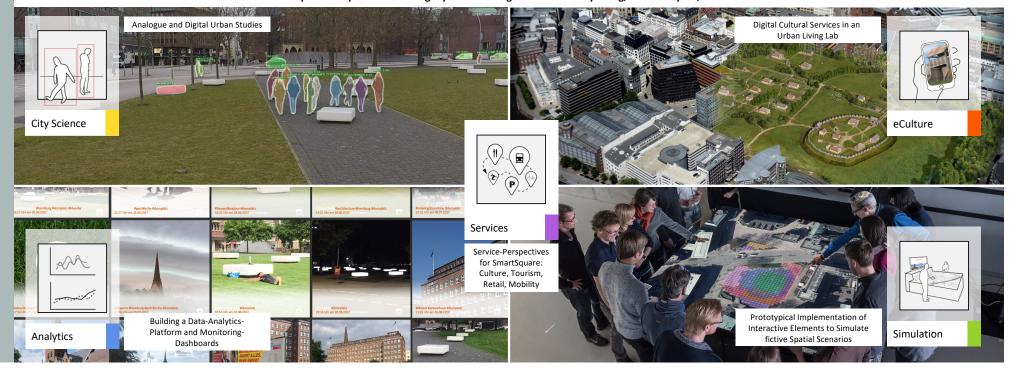


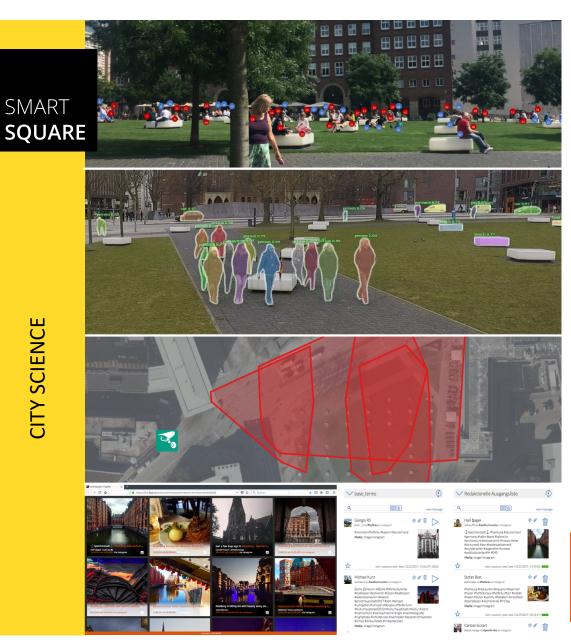
ARCHWOLOGISCHES MUSEUM

Wir vernetzen den Norden.



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** 

#### **Comments:**

Multiple analog and digital observation methods, transferable to urban testbeds with different focus



### **Analog and Digital Square Observation**

**Participating Observation** 

User-/Resident-/Passer-by-Interviews

**Photo Analytics** 

Camera Detection

**Motion Tracking** 

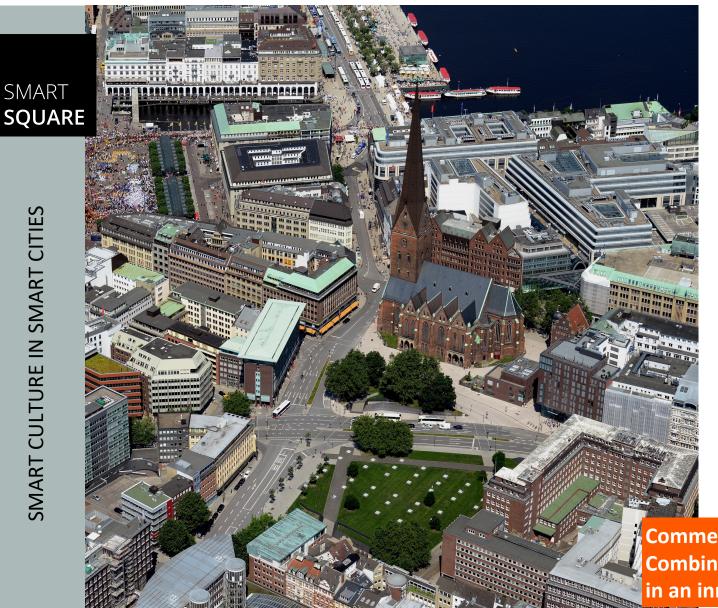
Use of the Installations

**Digital Communication Analysis** 

### **Comment:**

**Media and Attention Economy Analytics** 

**SMART** 



### 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

**Comment:** 

Combining the digital and physical domain in an inner city urban testbed / living lab

### **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, ...

#### **Comments:**

Cities with urban testbeds as partners

Multiple stakeholders within the cities

Sharing methods, toolboxes, "playbooks"







#### 1. Urban data platform

Melbourne







#### + Hamburg







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

Melbourne







+ Hamburg





#### **Comment:**

**Urban Data/Platform and Urban Testbeds cooperations as** tangible outcomes of "World Cities" Hamburg-Melbourne - focus on manageable activities for multiple stakeholders

### Cooperation

#### **Commonalities:**

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

#### **Manageable Activities**

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

### Cooperation

**Quadruple Helix Innovation including Cluster Organizations** 

**City Labs / City Science Labs** 

**Urban Data - Urban Data Platform** 

**Urban Testbeds** 

#### **Comments:**

Stakeholders like City Labs and Cluster Organizations increase the sustainability of city to city cooperations. Urban Data and Urban Testbeds are tangible fields for cooperation and transferability between cities.







Prof. Jens Bley – jens.bley@hcu-hamburg.de