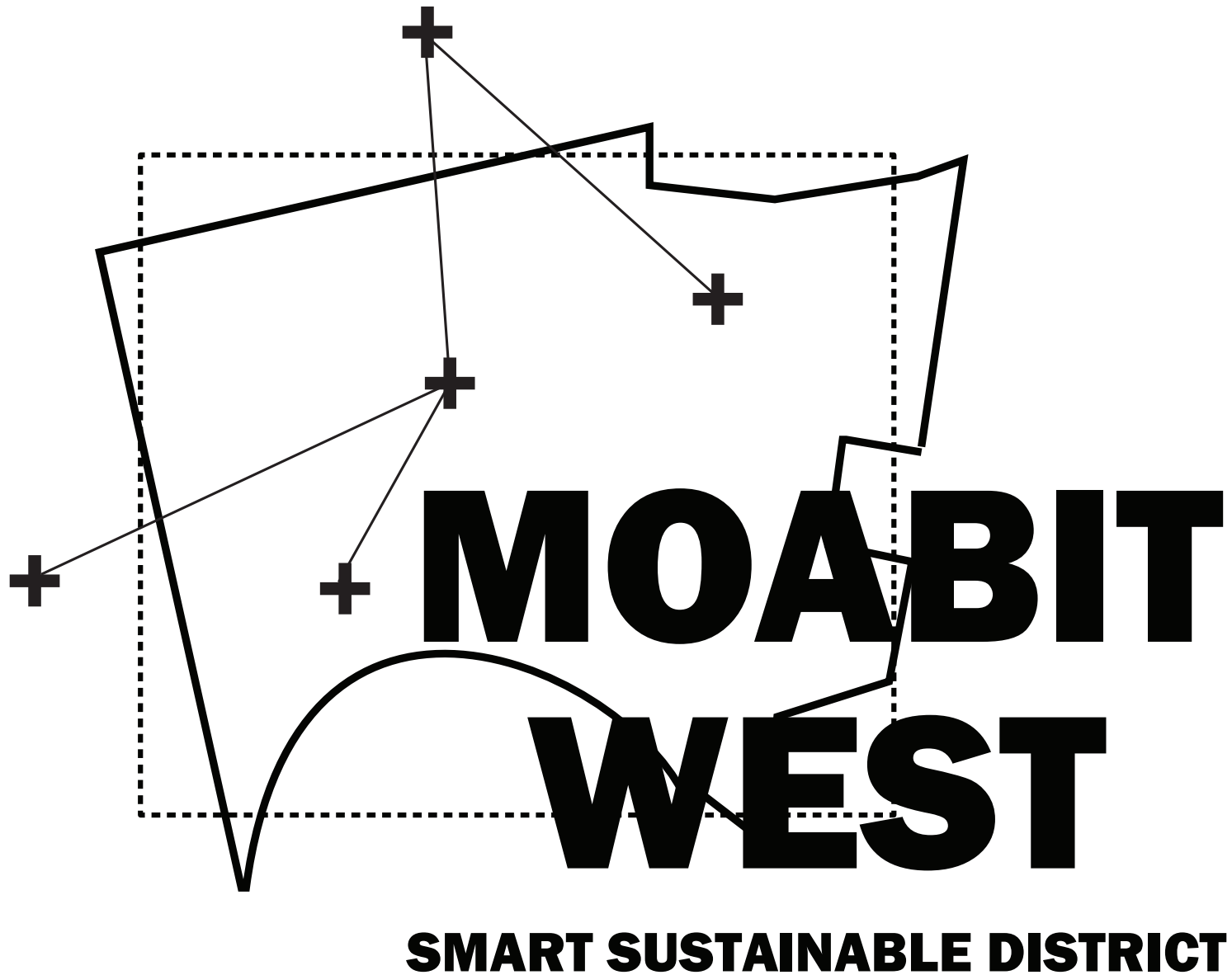
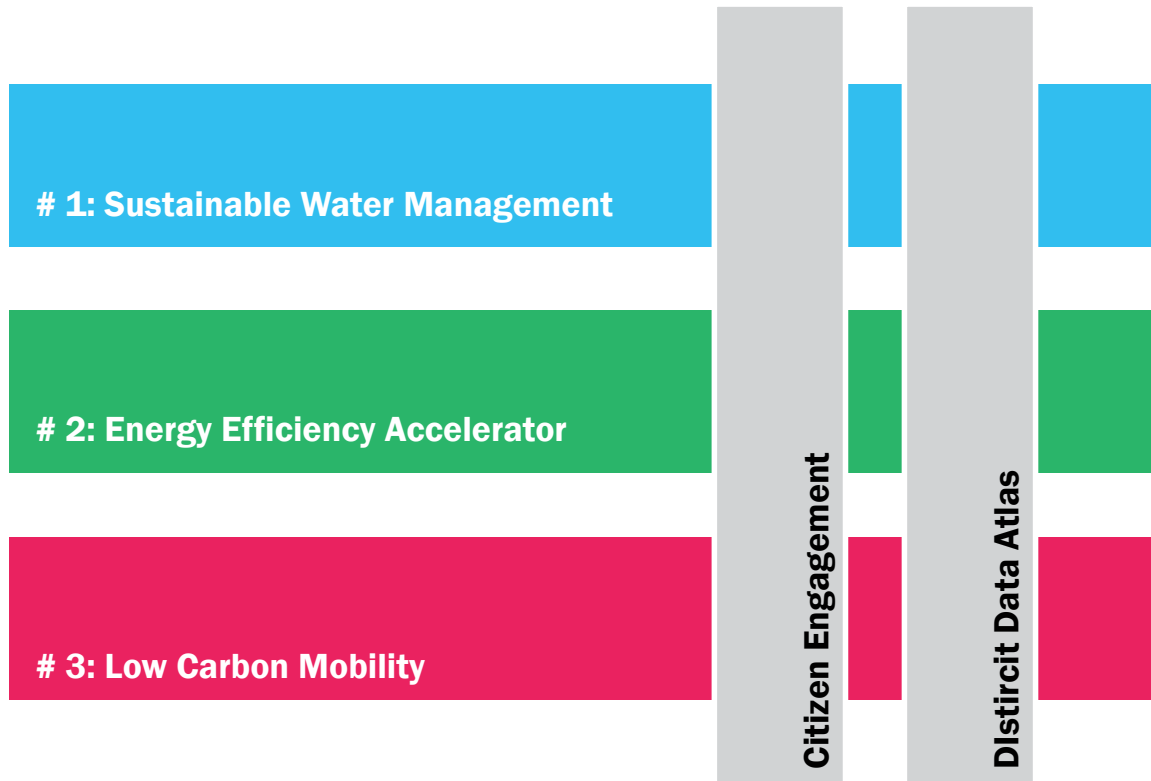


CHORA
conscious city







A Straßenumgestaltung Sickingenstraße



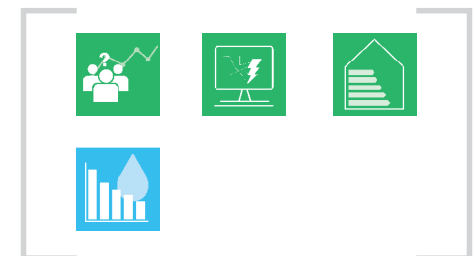
B E-Mobilität Pendlerverkehr



C Nachhaltiges Wassermanagement

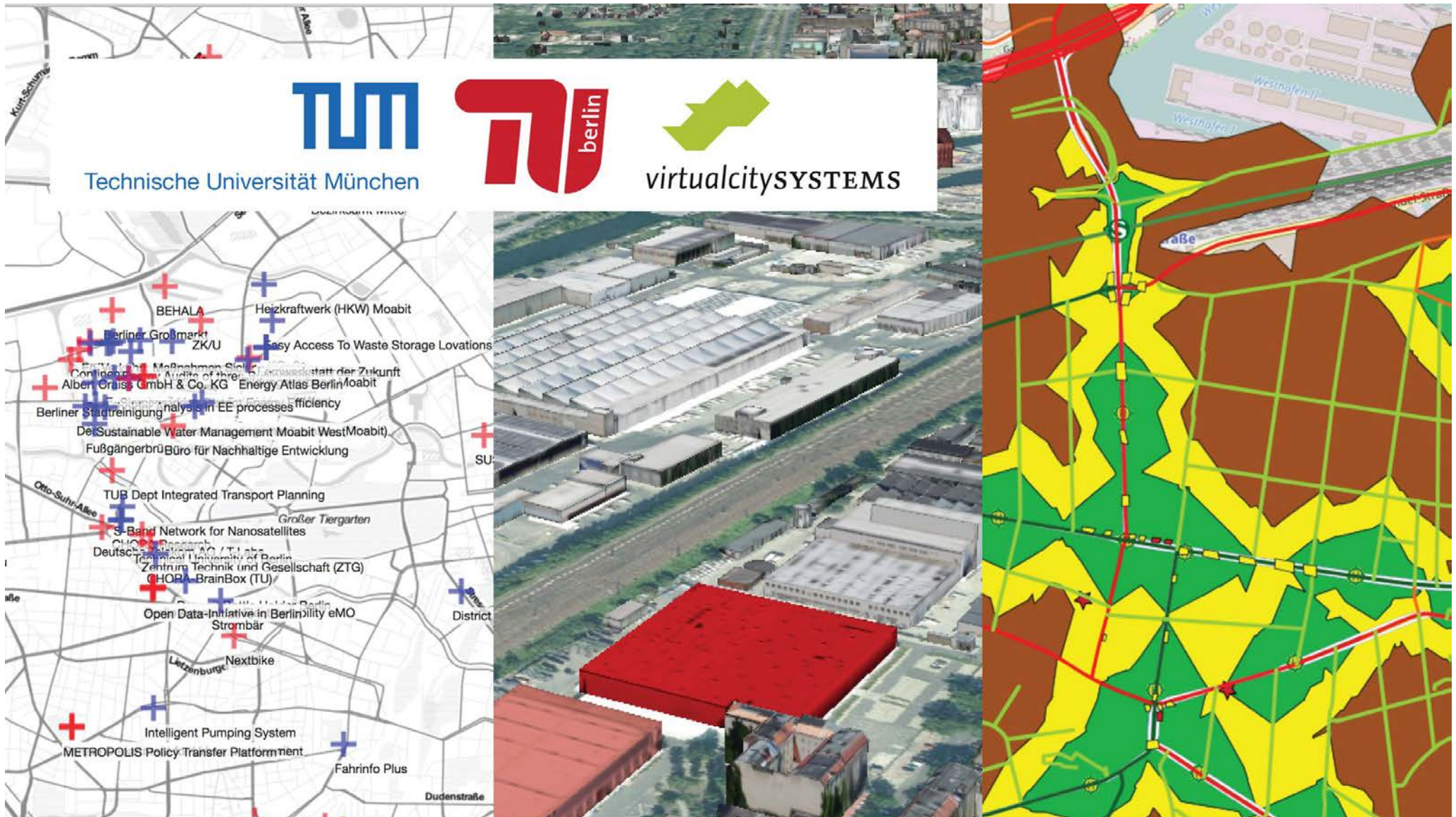


D Energieeffizienz im Industriegebiet



District Data Atlas





District Data Atlas

Data Layers from Klausnerplatz Kiez, Berlin, Source: Seminar Smart District 2014,
FG CHORa city&energy lead by Nadine Kuhla von Bergmann

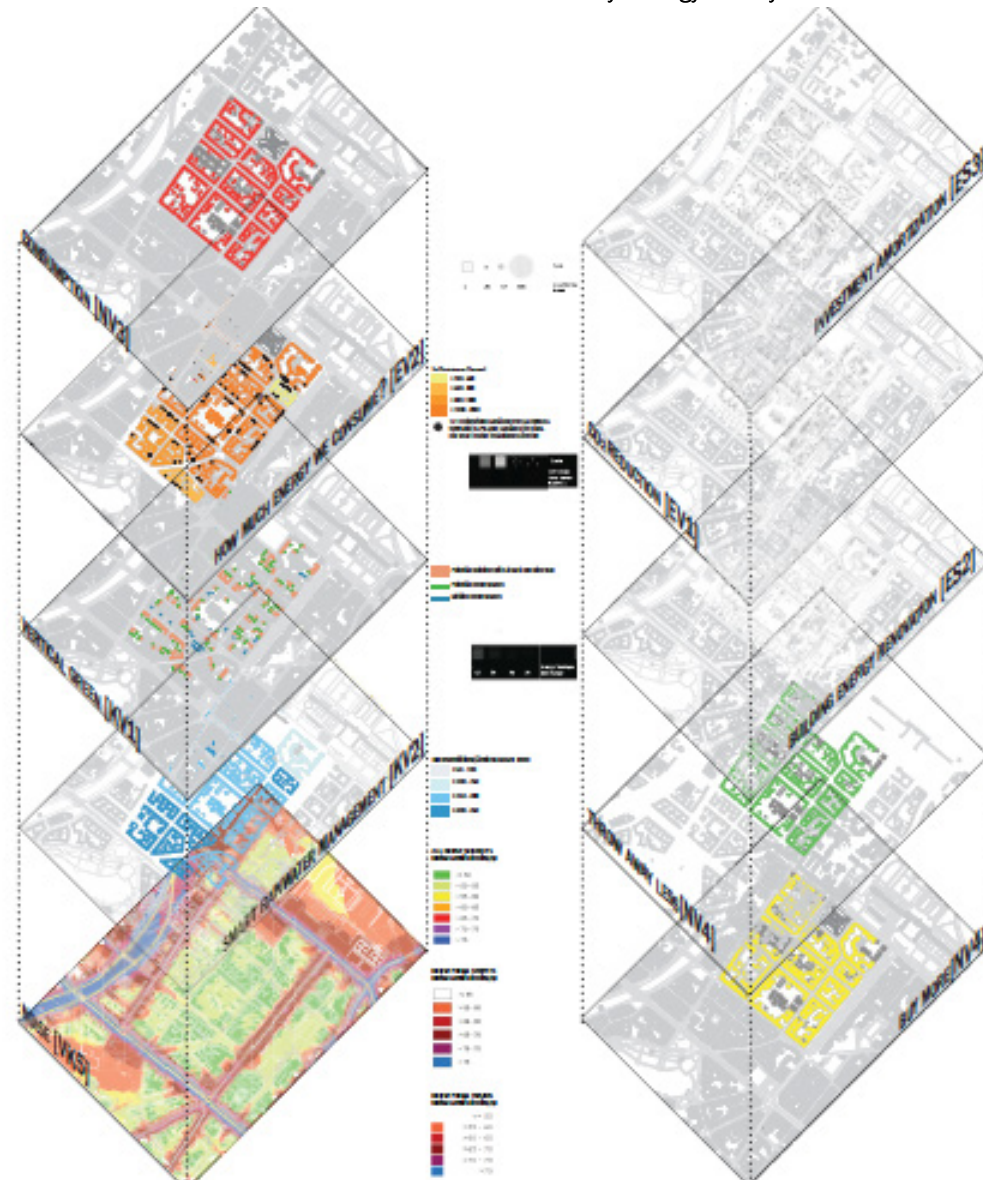
Scenarios & Integrated Solutions

Data from
Opportunity #3:
Mobility

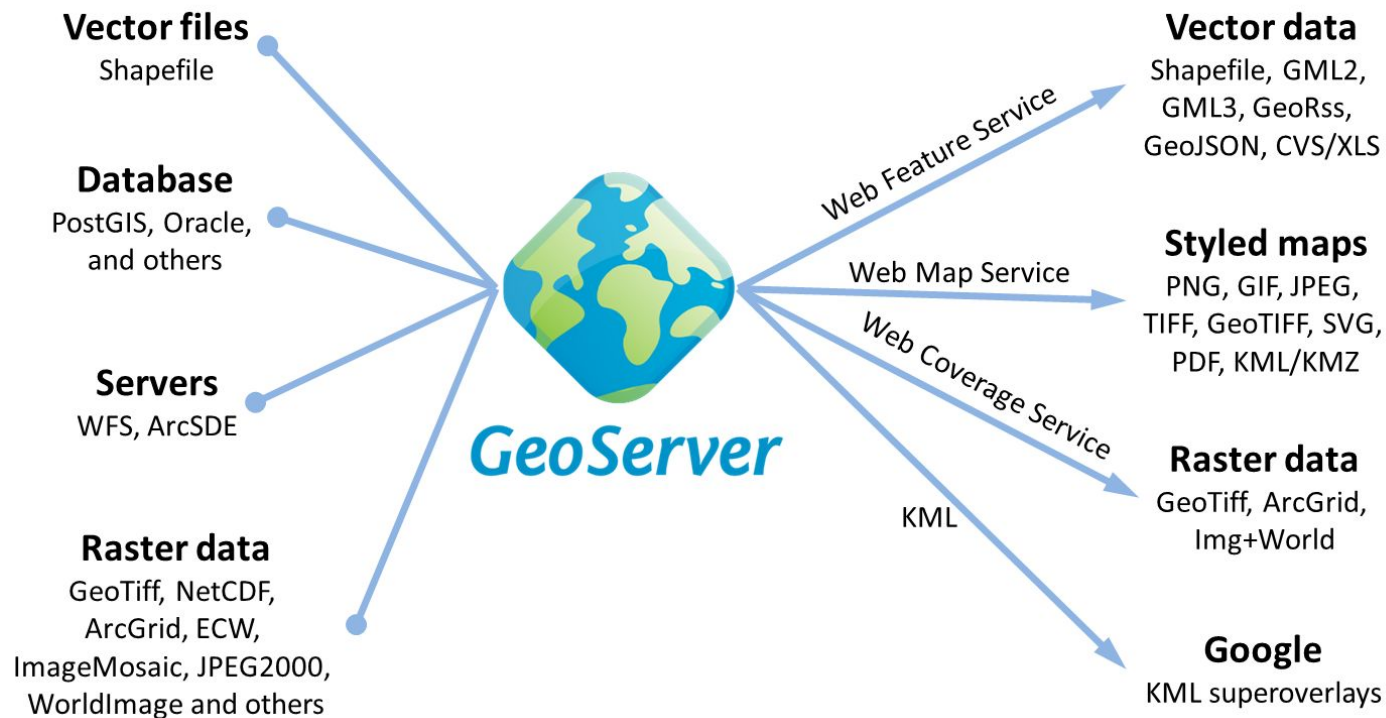
Data
from Opportunity #2:
Energy-Efficiency

Data
from Opportunity #1:
Sustainable Water Management

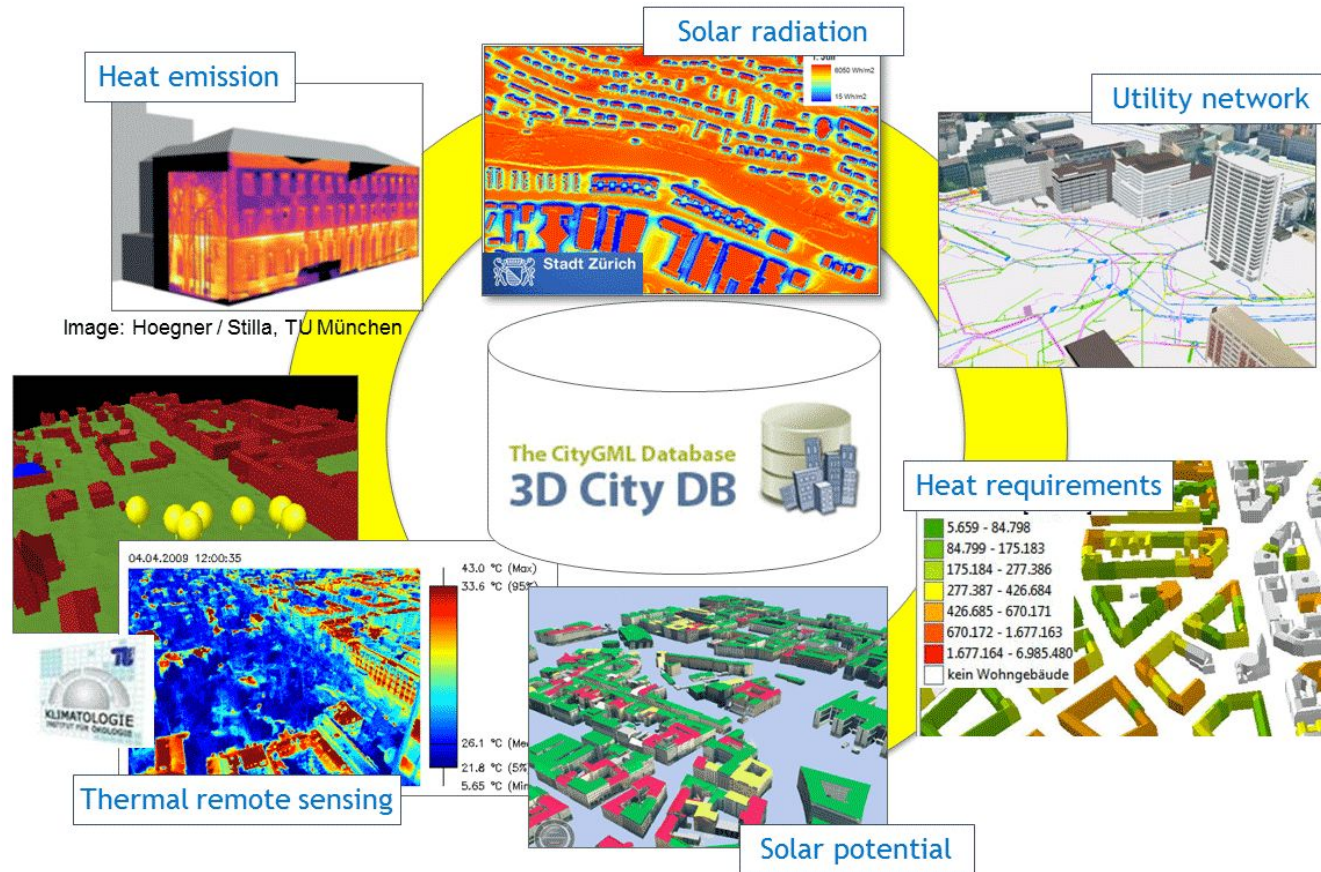
Base Data from
FIS Broker
(Open Data Portal)



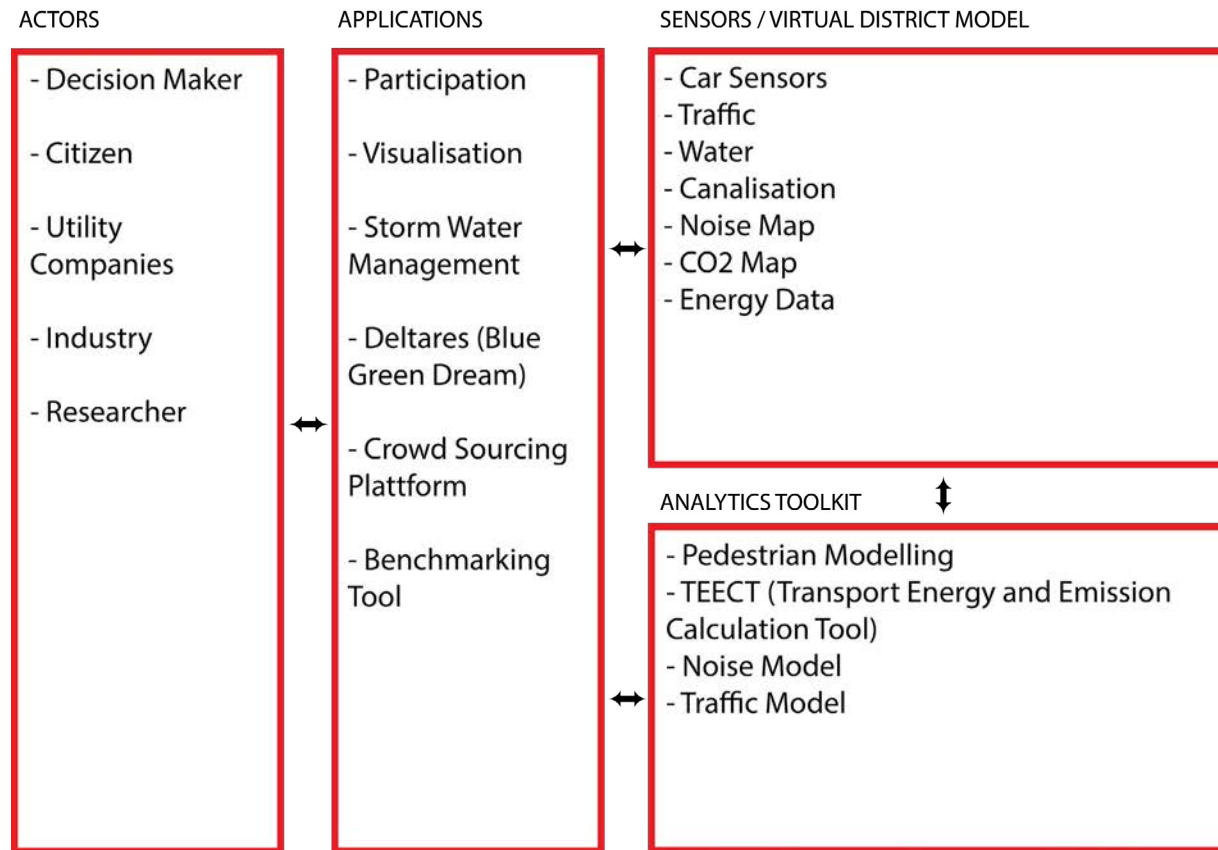
Geoserver



3D City DB



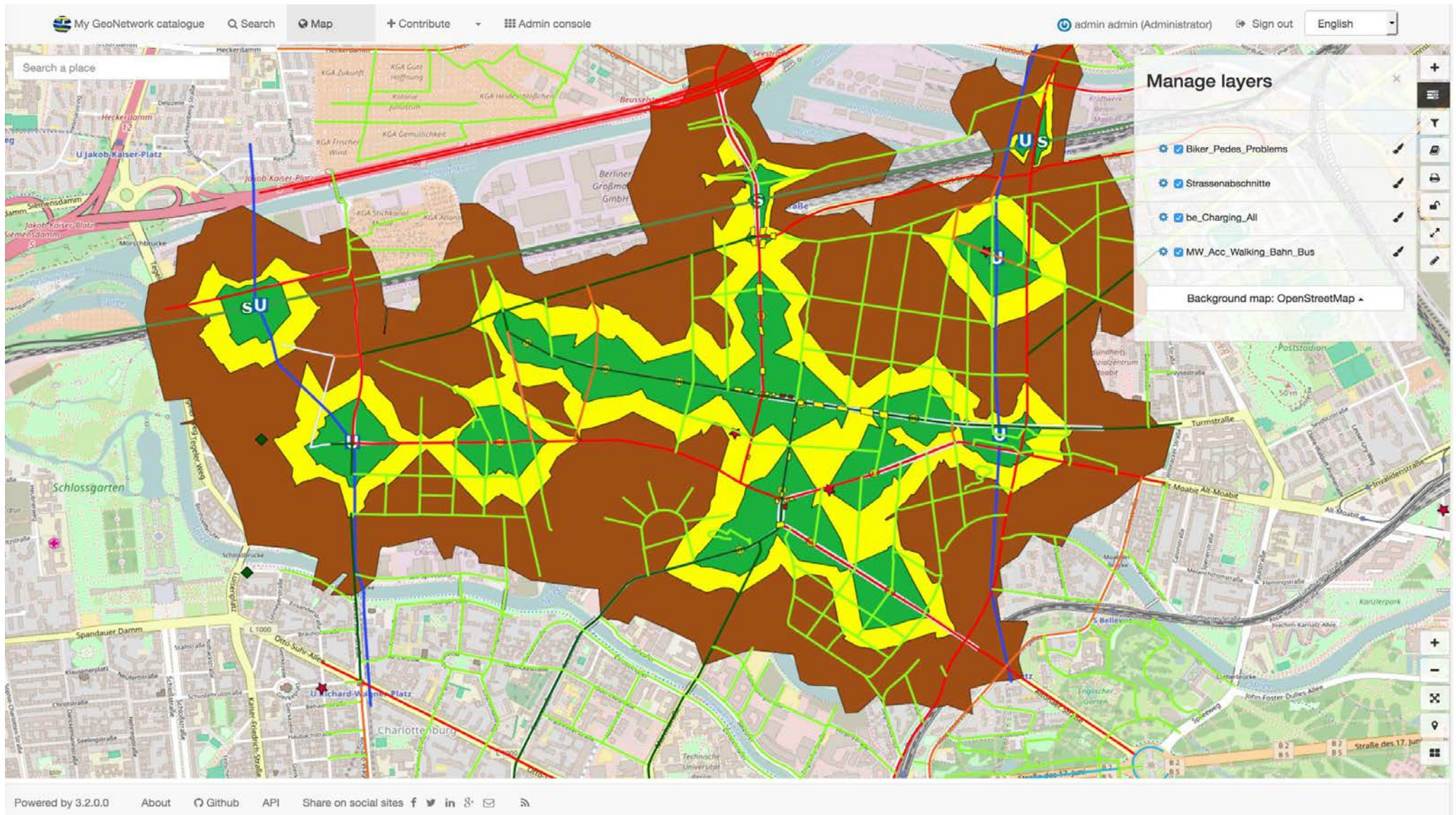
Smart District Data Infrastructure

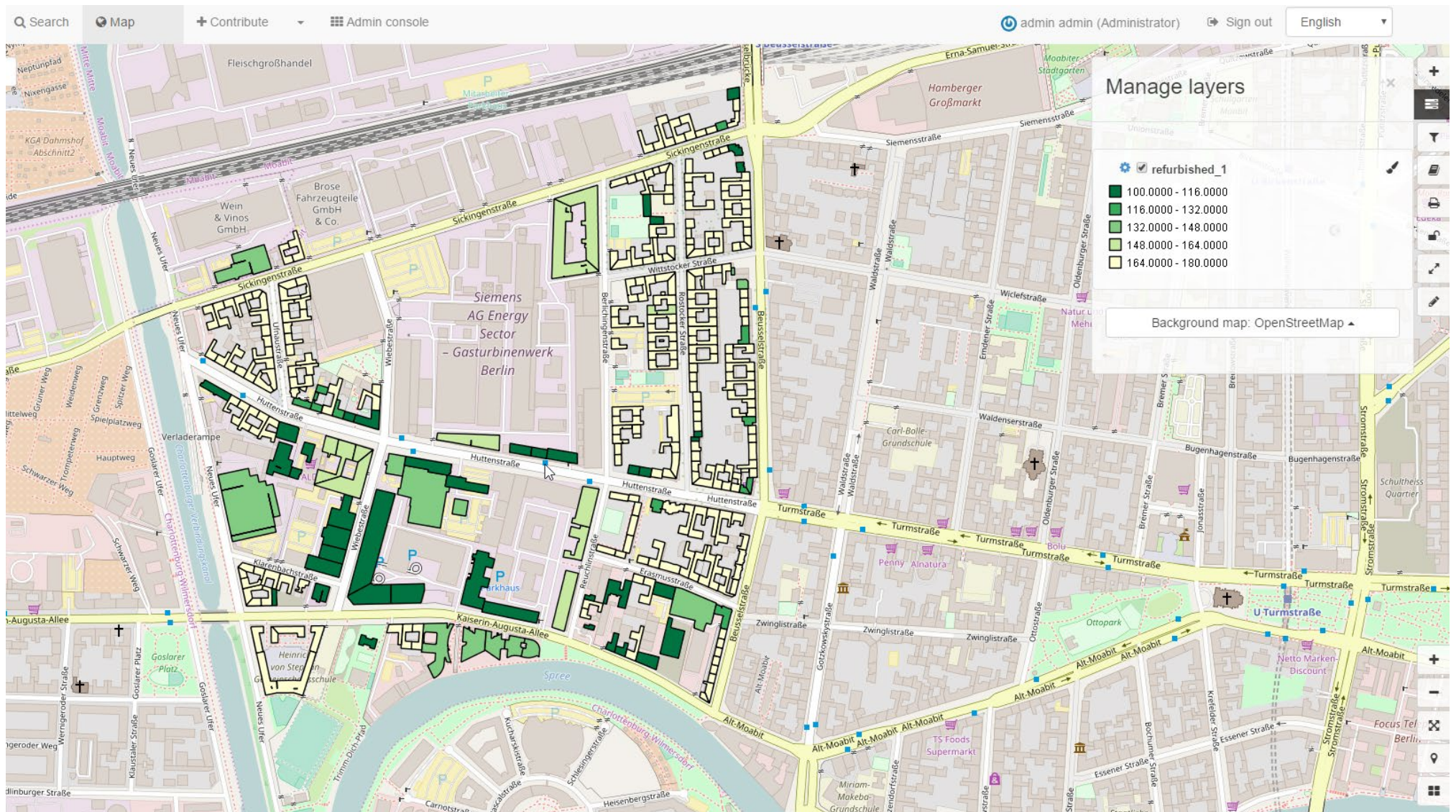


Achievements

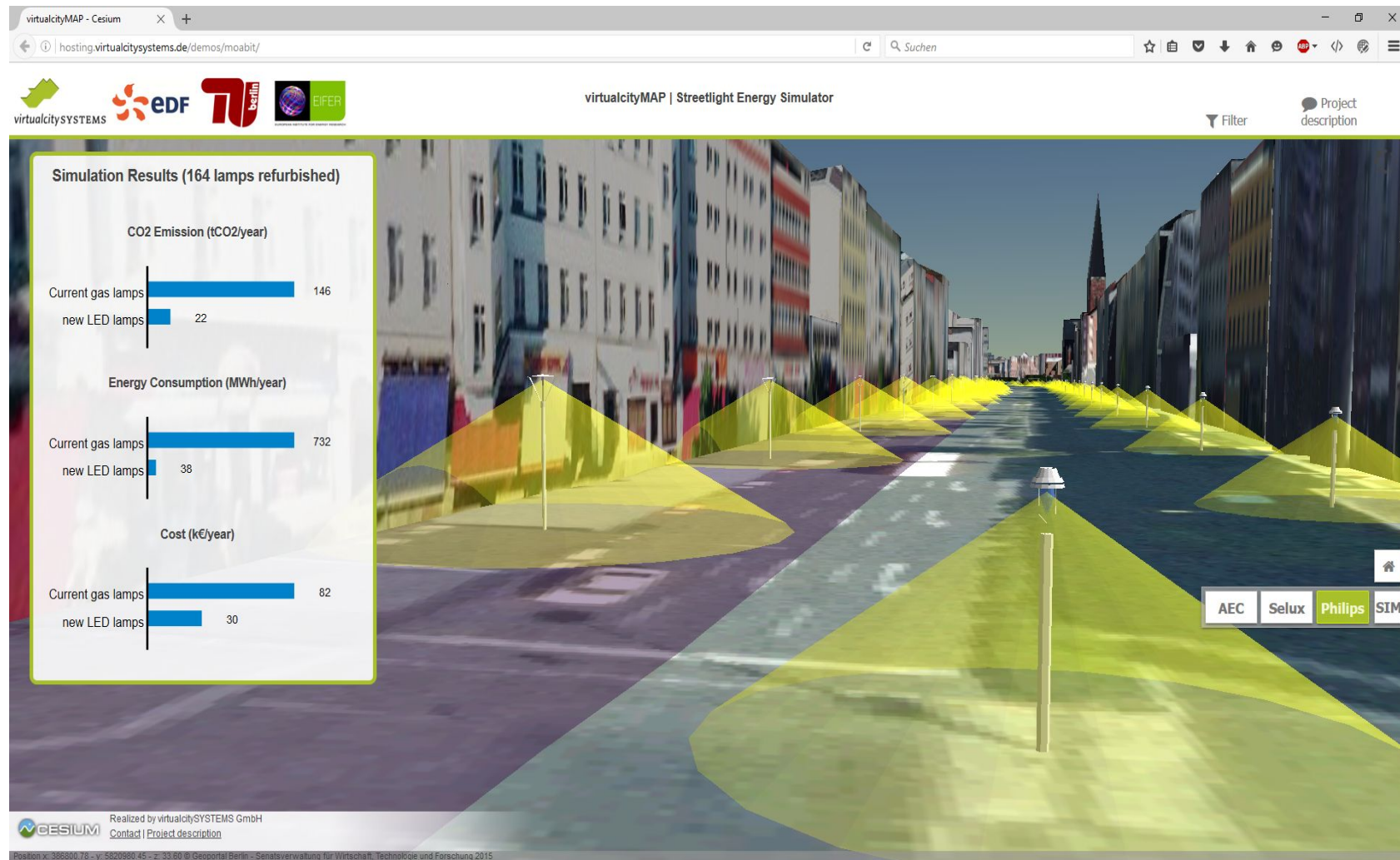
- 3D Viewer (VCS), SDDI (TUM), Geoserver, 3D City DB
- APIs: OGC and open Standards open311
- GeoNetwork Catalog Service (DDA) 60+ Data Sets
- 2x Participation Platform for Mobility (ZTG)
- Streetlight Demonstrator Moabit (EIFER)
- 2x Urban-Gallery
 - — Utrecht Version (USI)
 - — Moabit Version (>250 Entries)
- Urban-Gallery Interface, Game Cards
- LNDW & MetSol Events

Application: Catalog Service

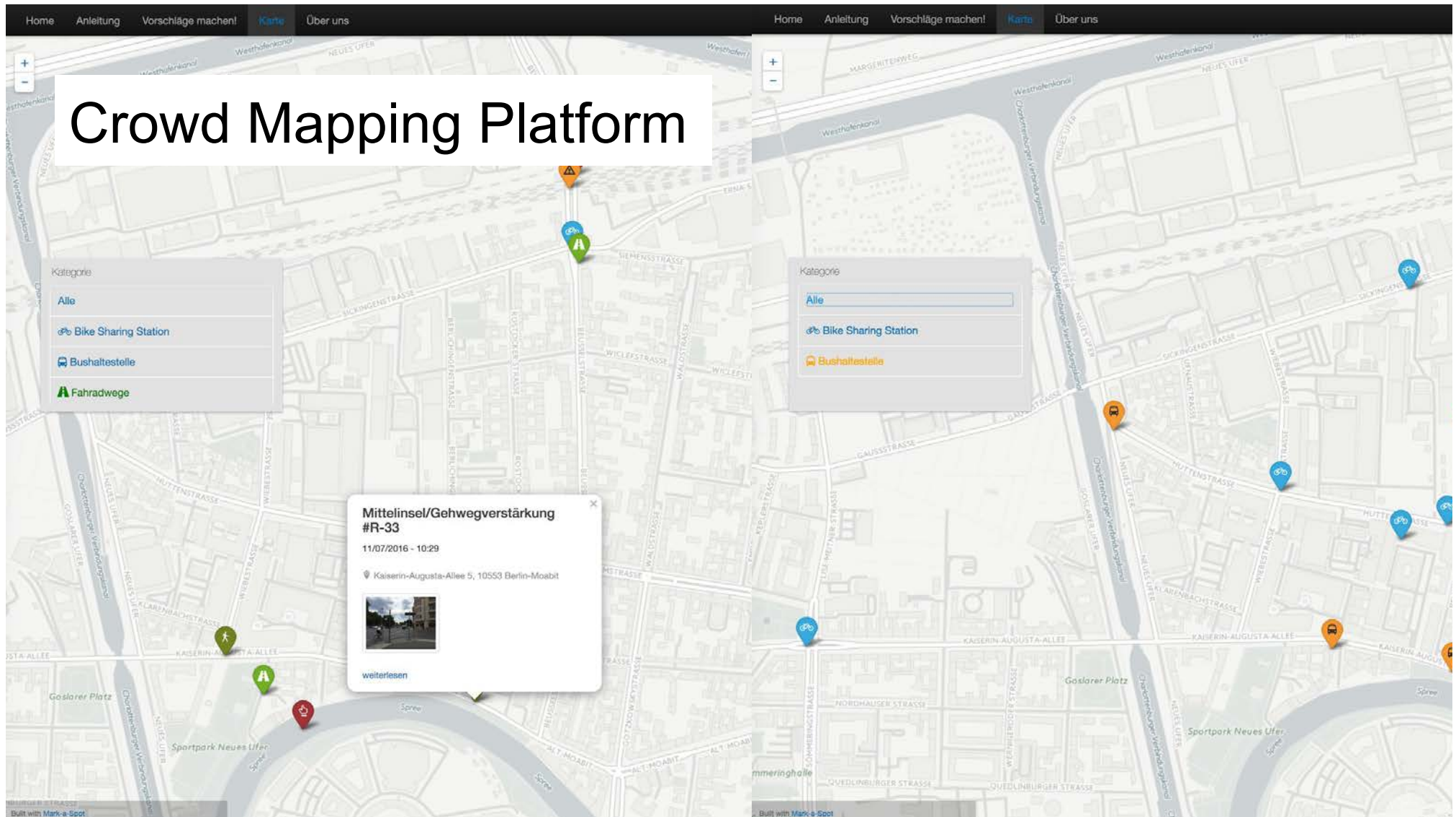




LED Streetlighting Simulation



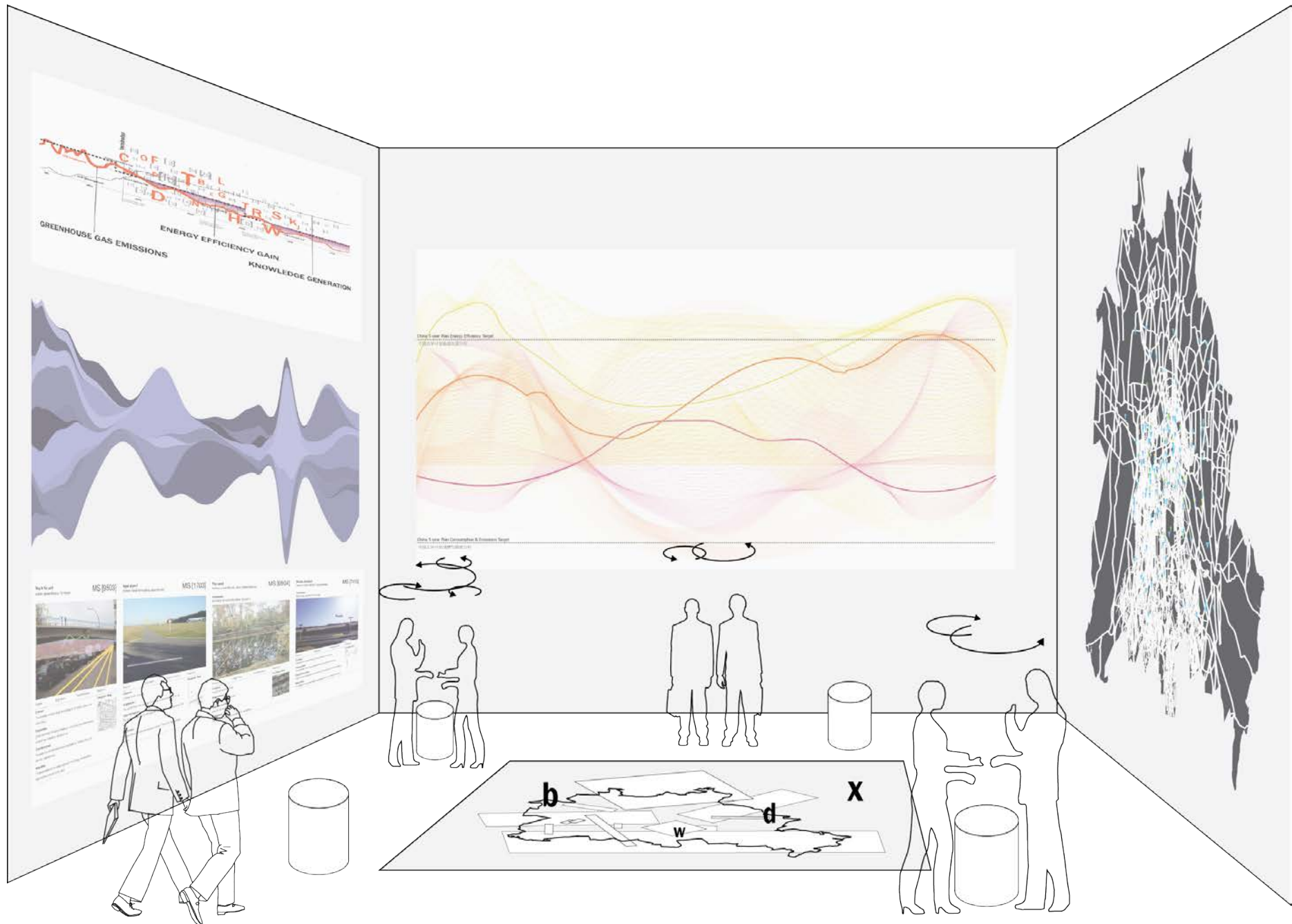
Application: Participation Platforms



Citizen Engagement Event, May 2016



Application: Integration Workshops



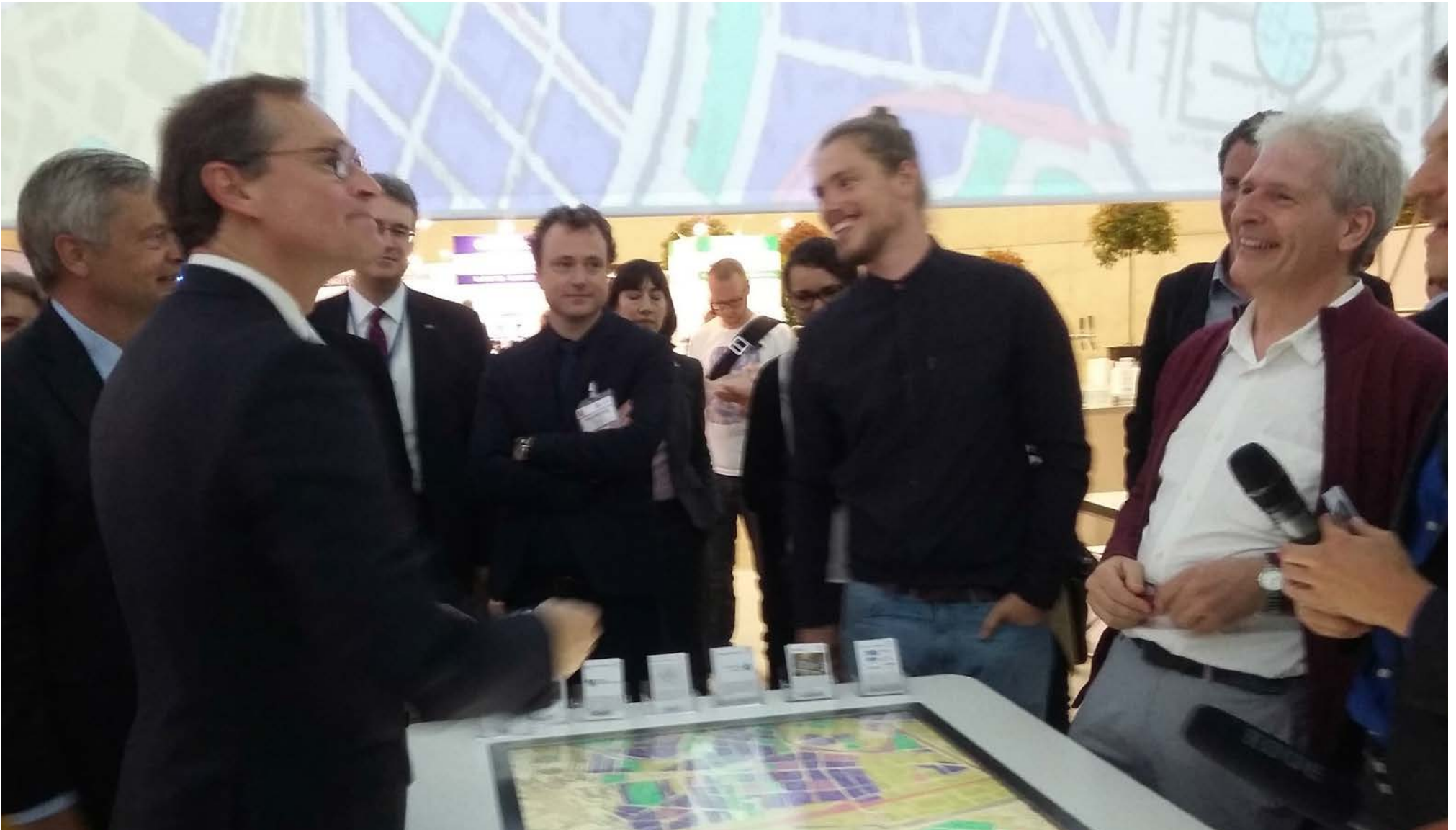
Conscious City Lab



SSD Network Activity



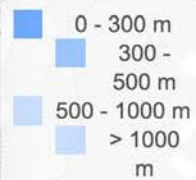
Conferences



Application: Data Stories

While most inhabitants of Berlin have a bus stop or tram station in walking distance, this picture changes a lot, when you analyze for fast transport. Due to their separation from the road systems of the city, overground- and tube trains can travel faster over longer distances. Hence, people having a tube- or overground stop close by, have better access to a larger part of the city.

The map shows, if one has to walk less than 300 meters, 300-500 meters or 500-1000 meters to the next such station. In areas that are very light blue, people would have to walk more than one kilometer to catch a ride.



Population
Charitéviertel
5597 people
3329.99 people per km2

S & U

These areas of Berlin have access to the fast overground and underground trains



Bus, Tram, S & U

This is the area covered by all modes of public transport in Berlin



Nighttime

Where do Berliners have access to night busses?



Old and outside

In these areas, there are many old people and the next stop is a long way to walk



Dependent children

Where do children have no station close by



Poor and isolated

These areas of Berlin have high unemployment rates and low access to the city

Outlook

- Extending Analytic Tool Box
- Open APIs
- Resource Box
- Educational Tool Kit
- Knowledge Management
- Machine Learning
- Data Observation
- Interdisciplinary Conscious City Lab