On the road to "smarter" German Cities – Research and Dialogue...

Eva Schweitzer VASAB Workshop – The Connected Society

1.02.2017



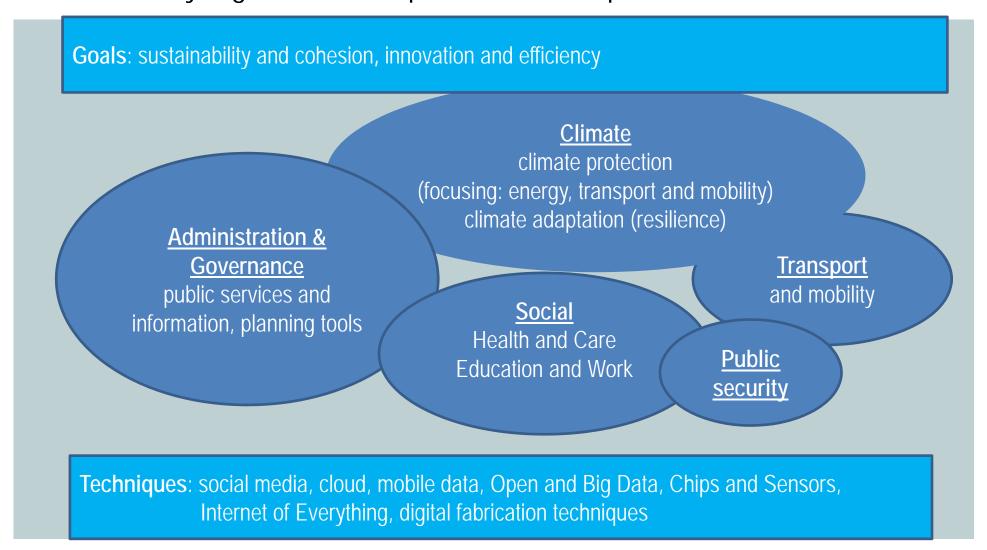
Bundesinstitut für Bau-, Stadt- und Raumforschung

im Bundesamt für Bauwesen und Raumordnung



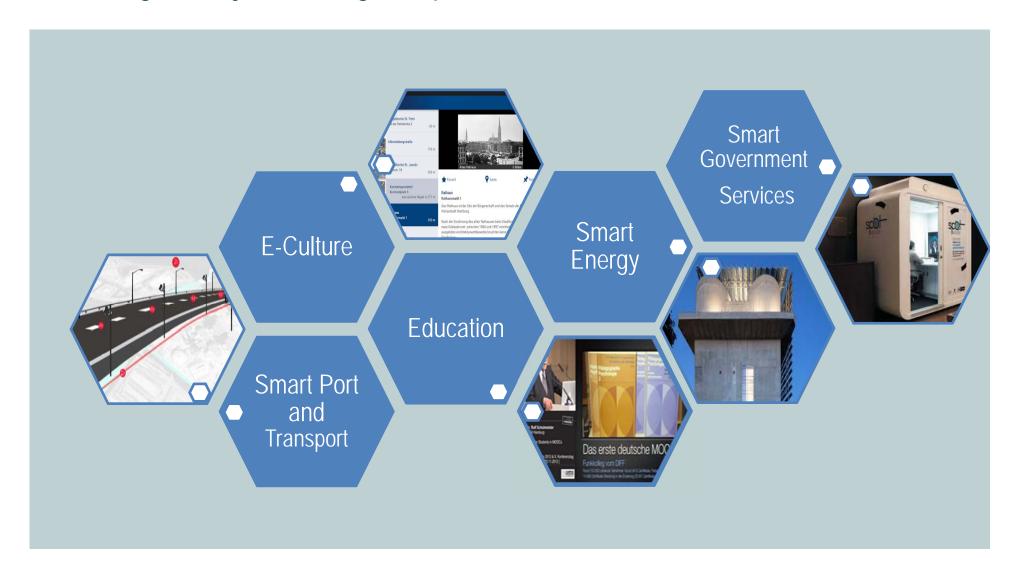


Smart City – goals, main topics and techniques





Digital City Hamburg – Topics

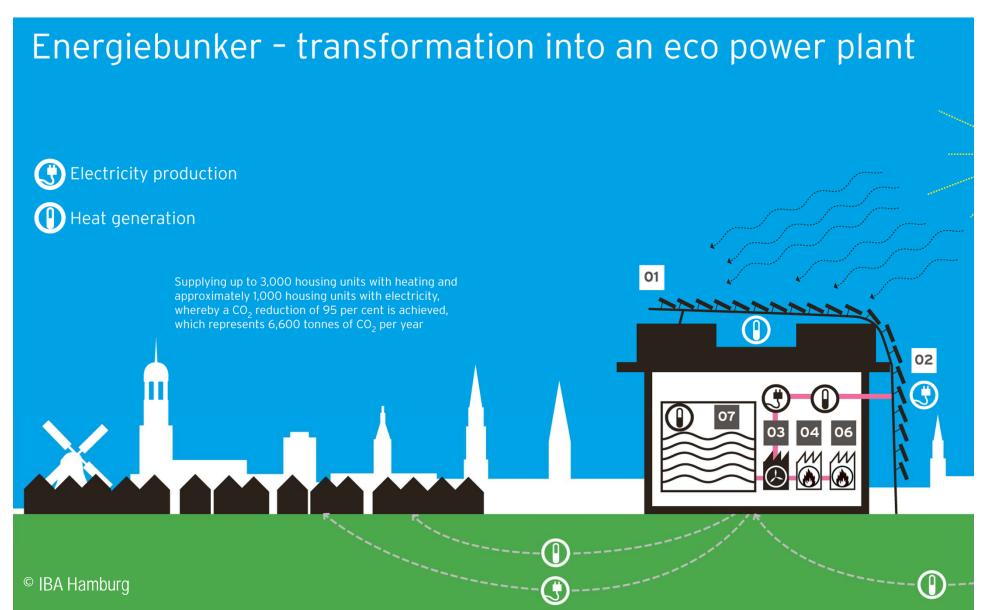






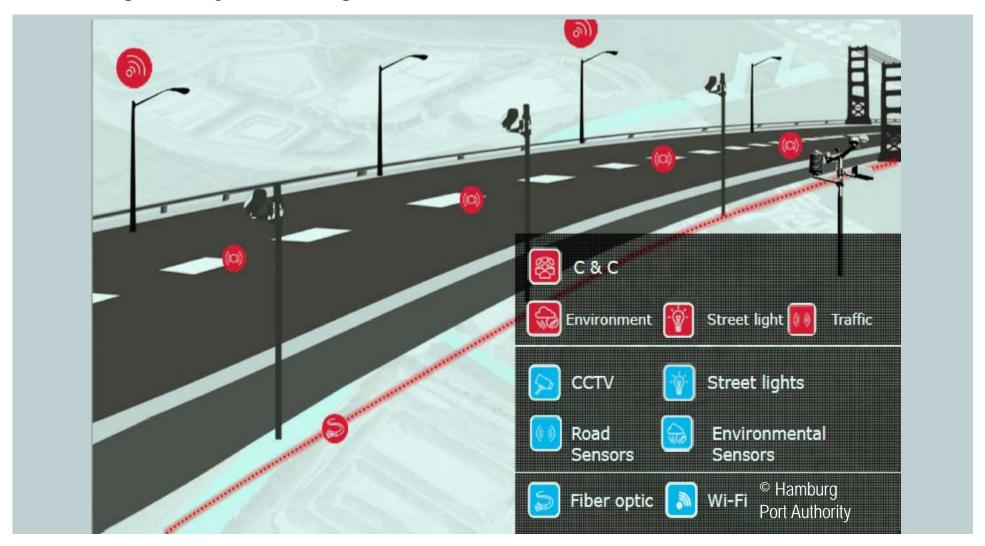


Digital City Hamburg: Smart Energy



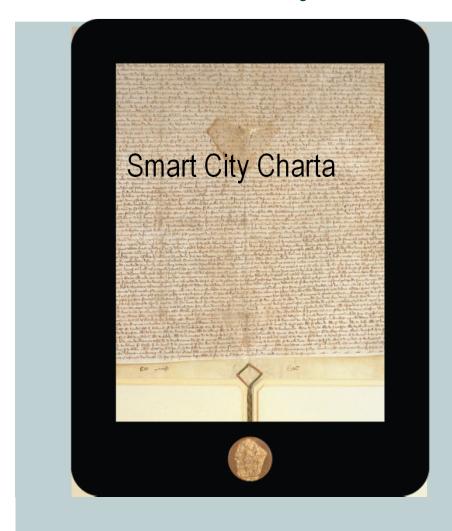


Digital City Hamburg – Smart Port





Goal: A Smart City Charta for German Cities

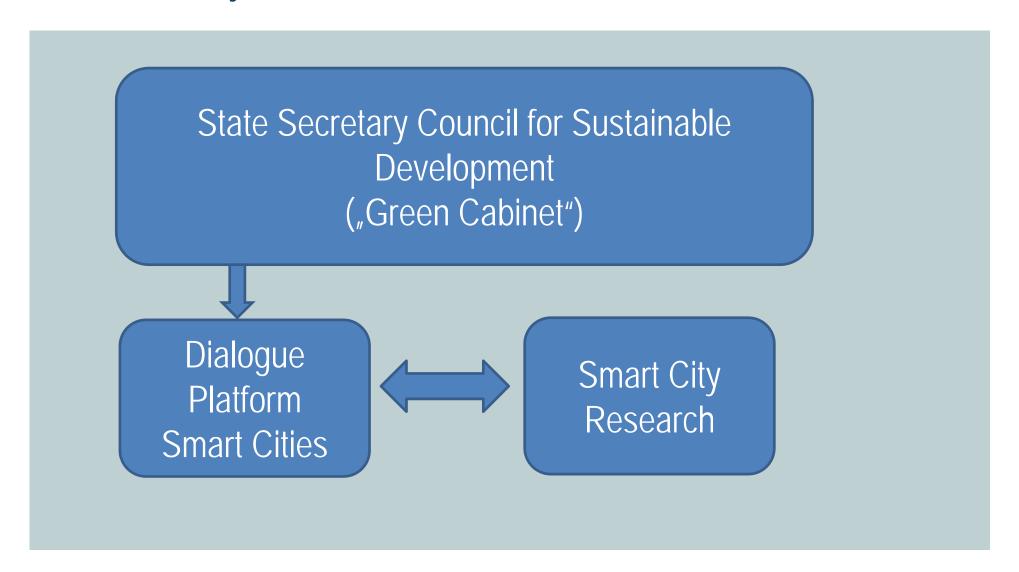


Based on the principles of integrated urban development:

- Define potentials and risks of digitizations
- Define role of cities and citizens
- How to react to make sure that "smartification" will lead to sustainable development.

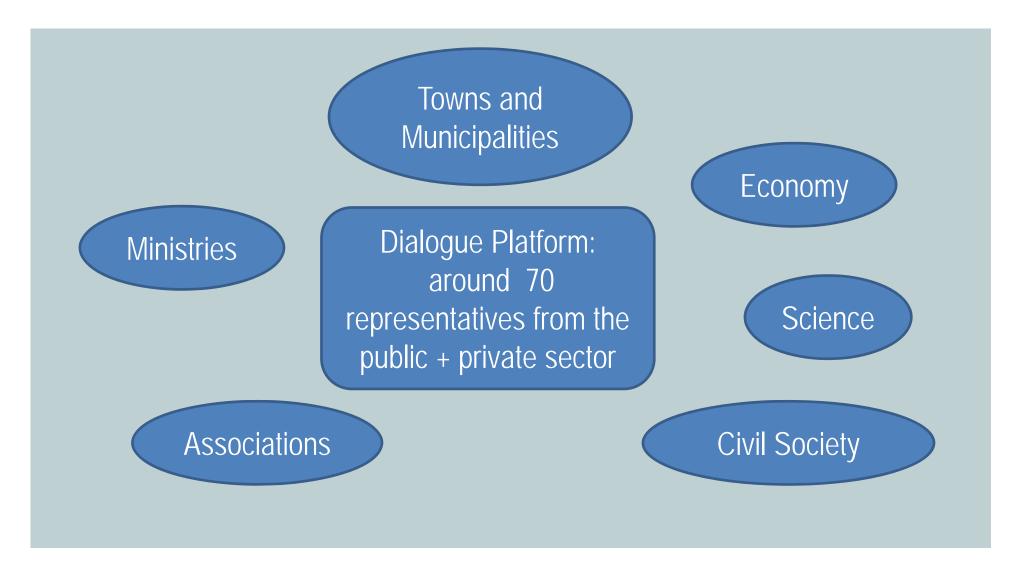


Smart City Charta



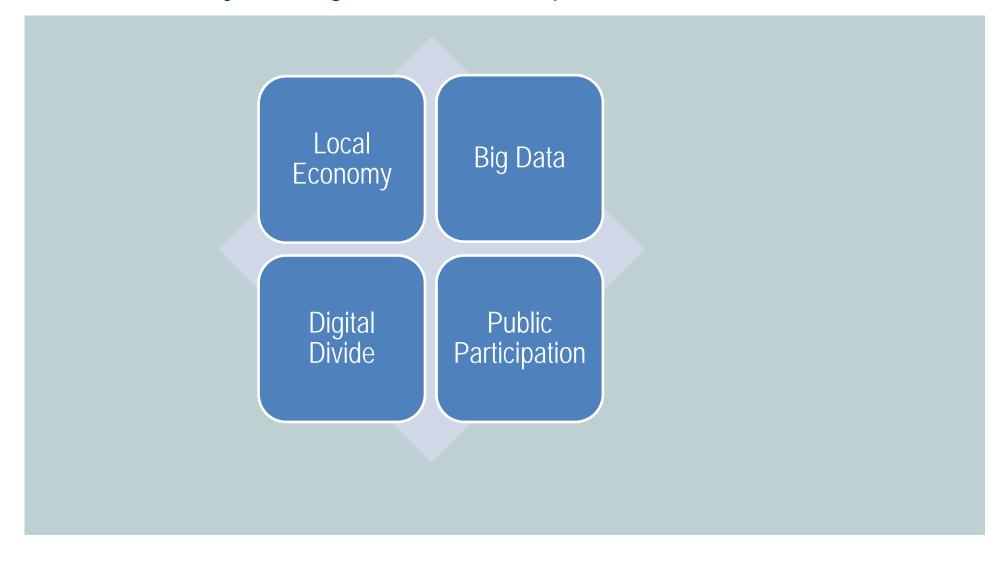


Smart City – Dialogue - Members





Smart City - Dialogue Plattform - Topics





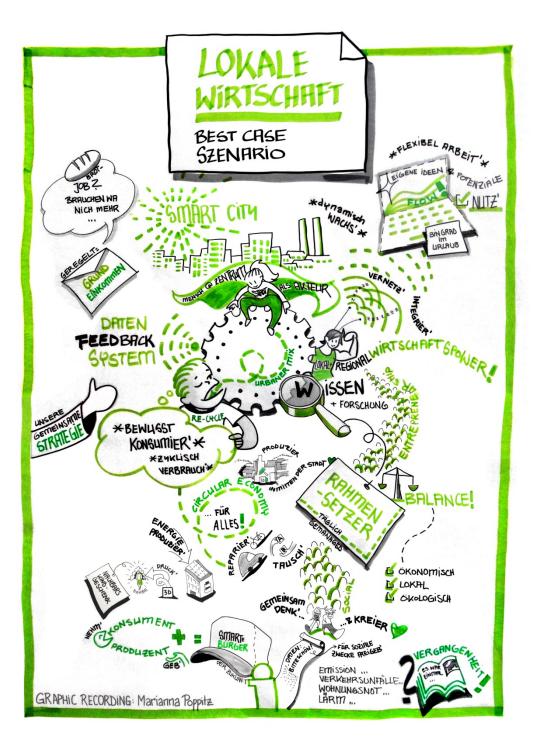


Smart Ideas

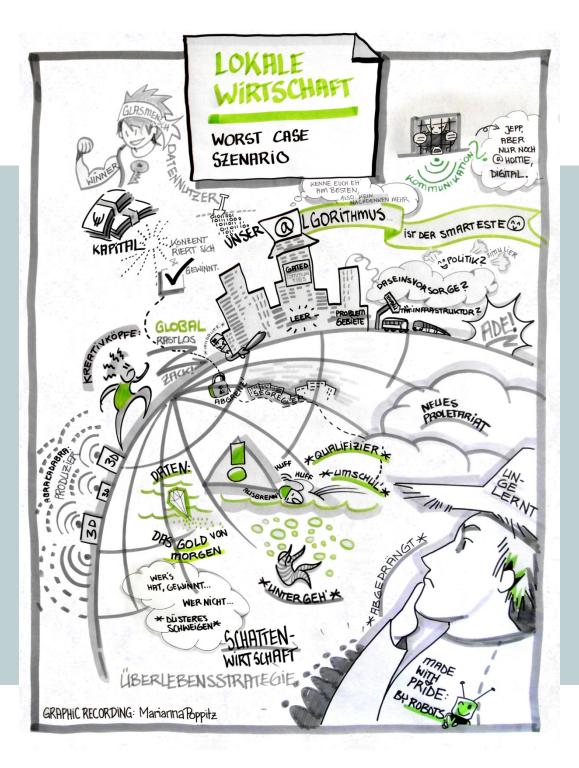
...to be discussed further...













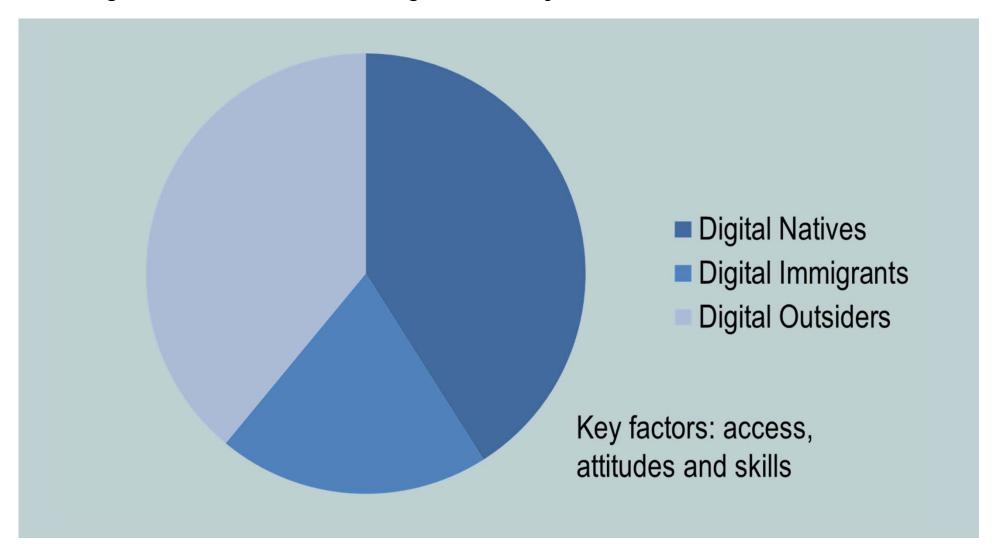


Smart City Research Cluster





Digital Divide - German Digital Society







Major Issue: Digital Literacy

Quality and quantity of usage depends on education, age and gender

Challenge:

- how to prevent a further segregation?
- how to build up a smart city for everyone, a digital inclusive city?



Means of digital Inclusion



Tools for Capacity Building and Developing E-Skills e.g. Telecenters, Mentors, Competitions
Places and People



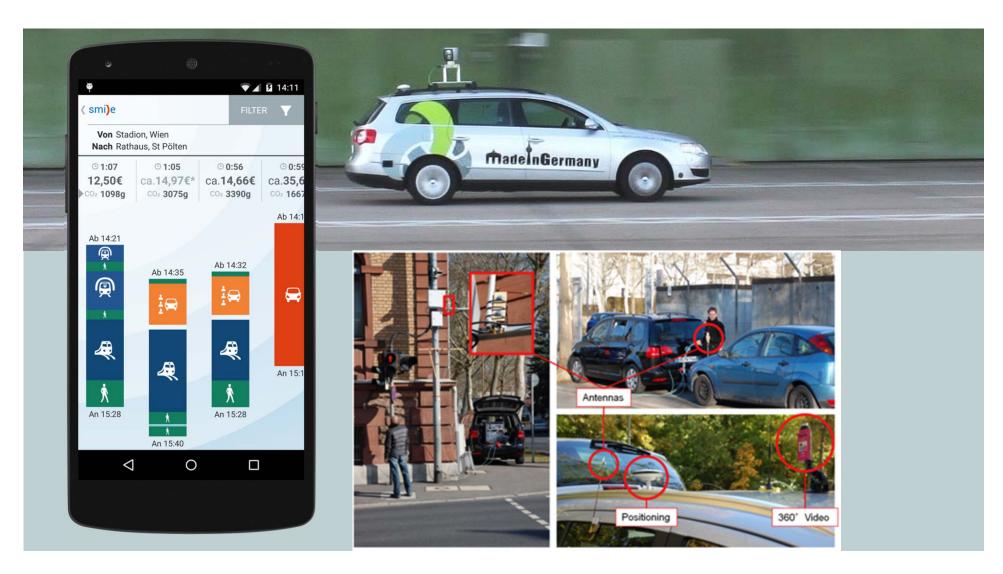
User-based and need-driven selection and design of intelligent technologies

From outer shell to inner content

- => Senior I-Pads connecting to the care services
- => Gaming Products for the smart Junior

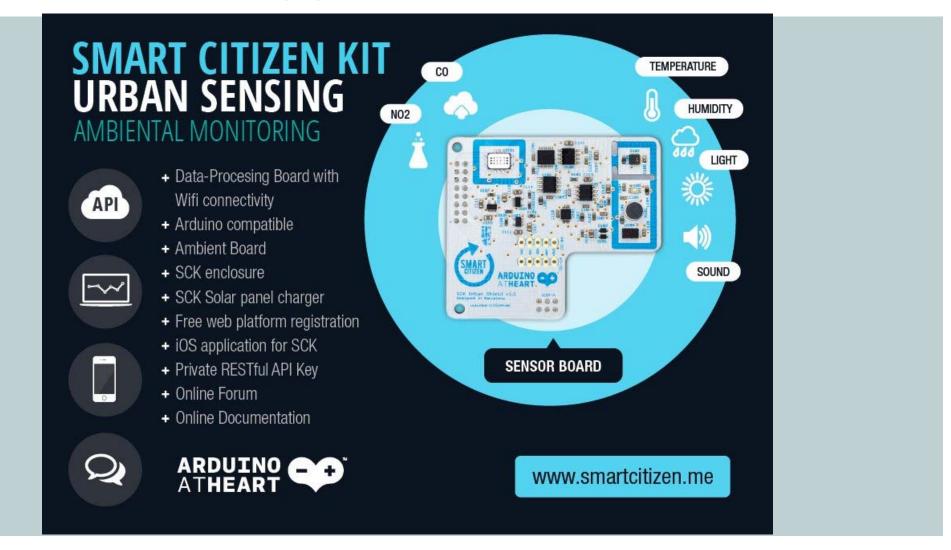


Urban Transport of the Future



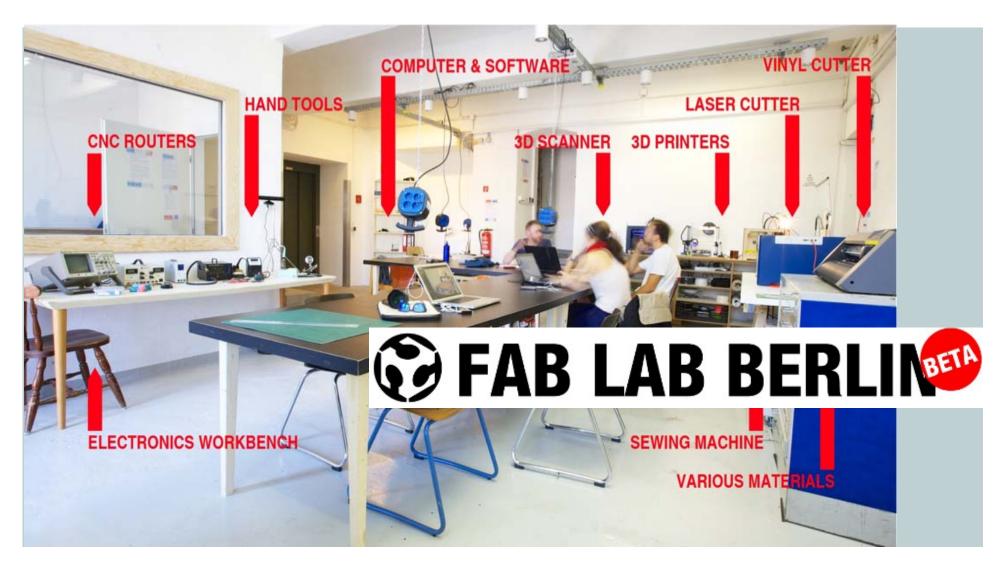


Smart Citizens Engagement



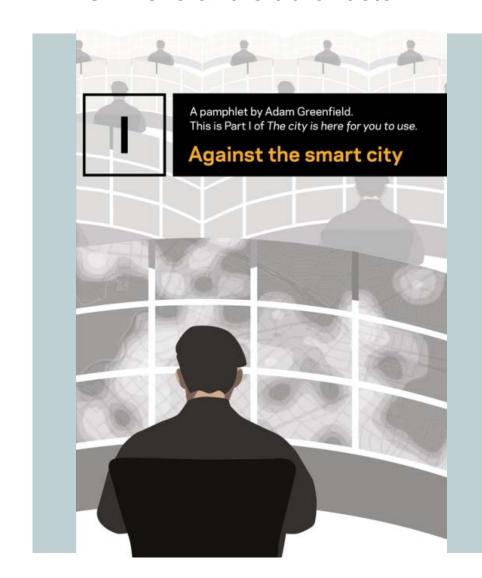


Digital Fabrication: the "Democratization" of Invention?





On risks and side effects...



The smart city pretends to an objectivity, a unity and a perfect knowledge that are nowhere achievable, even in principle

Adam Greenfield: Against the smart city New York 2013



Thank you for your attention!

Eva Schweitzer

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1 Define values and framework

Equal access to services of public interest, digital urban tools privacy \Leftrightarrow transparency informational self-determination local autonomy

- 2 Cities and communities should use public + private data to design urban processes more efficient, foster transparency and evidence-based politics
- 3 Cities and communites should keep their data sovereignity (competences, ressources)
- 4 There is a **right to have equal access to public digital means and urban services**, but no duty to partake
- 5 Cities have to balance between efficient administration management and creative designing
 - use technologies for urban development
 - balancing/cautious resilient acting ⇔ active funding and fostering of innovation
- 6 Stabilize smart city politically and systematically by a strategy and organization scheme (Financial and human ressources, Privacy Council, Triple Helix, Chief Information Officer...)



7 Urban developement shall anticipate changing structural change in economics and adapt gradually...

Living labs..., networks w/ cities, economy...

Foster Competence Centers...

Anticipate effects of globalization and automatisation on working places, production (industrial plots and land use/urban spaces, for instance digital printing, autonomous cars and sharing devices, sharing communities, circle economy.

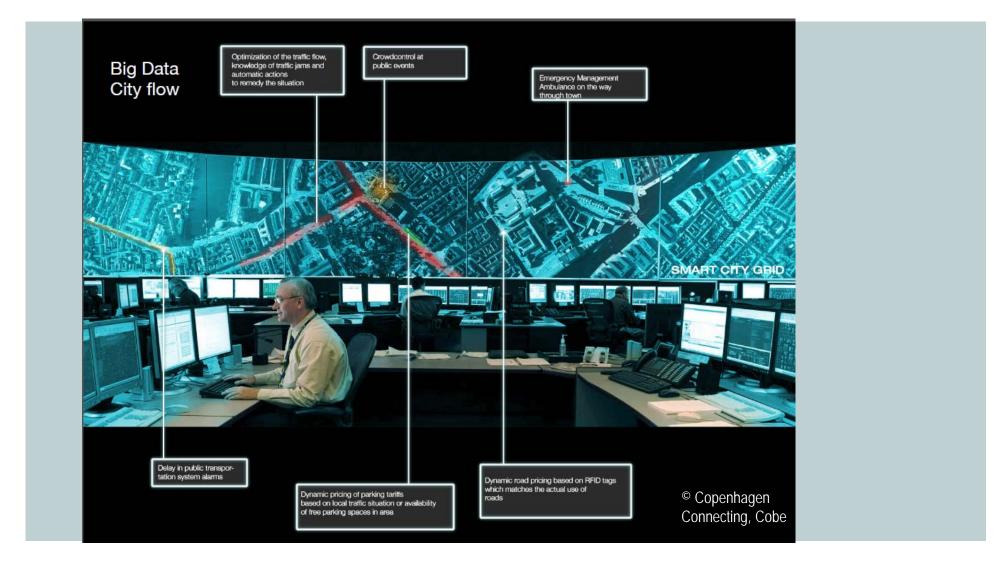
Maybe provide multifunctional spaces...experimental rooms...

- 8 Use economic potentials of data...
- 9 Foster a culture of innovation and creativity...



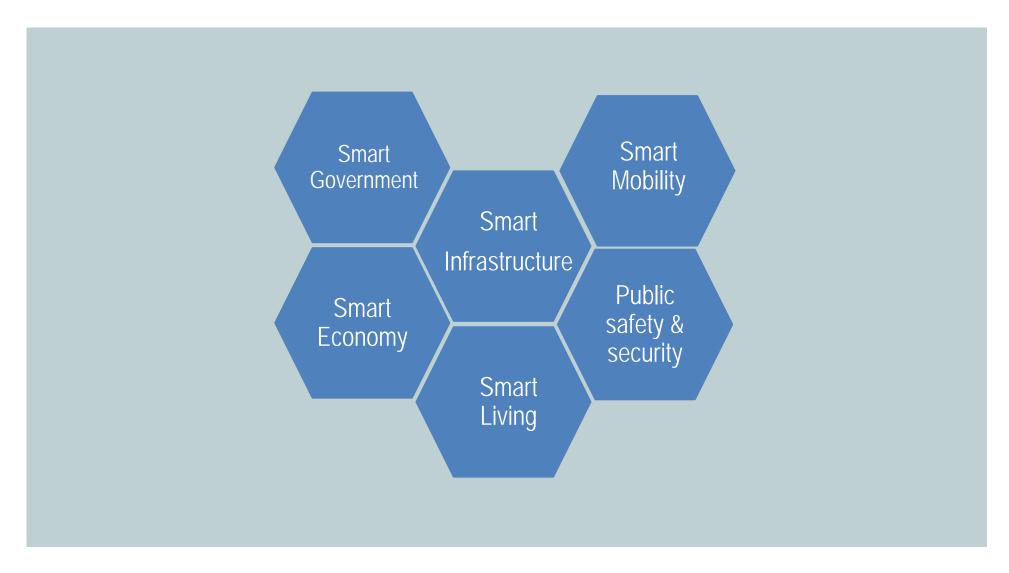


Smart City Kopenhagen – Big Data City Flow





Smart City Berlin – Topics





Smart living and mobility





E-Mobility





Smarte Trends: neue digitale Beteiligungsformate

