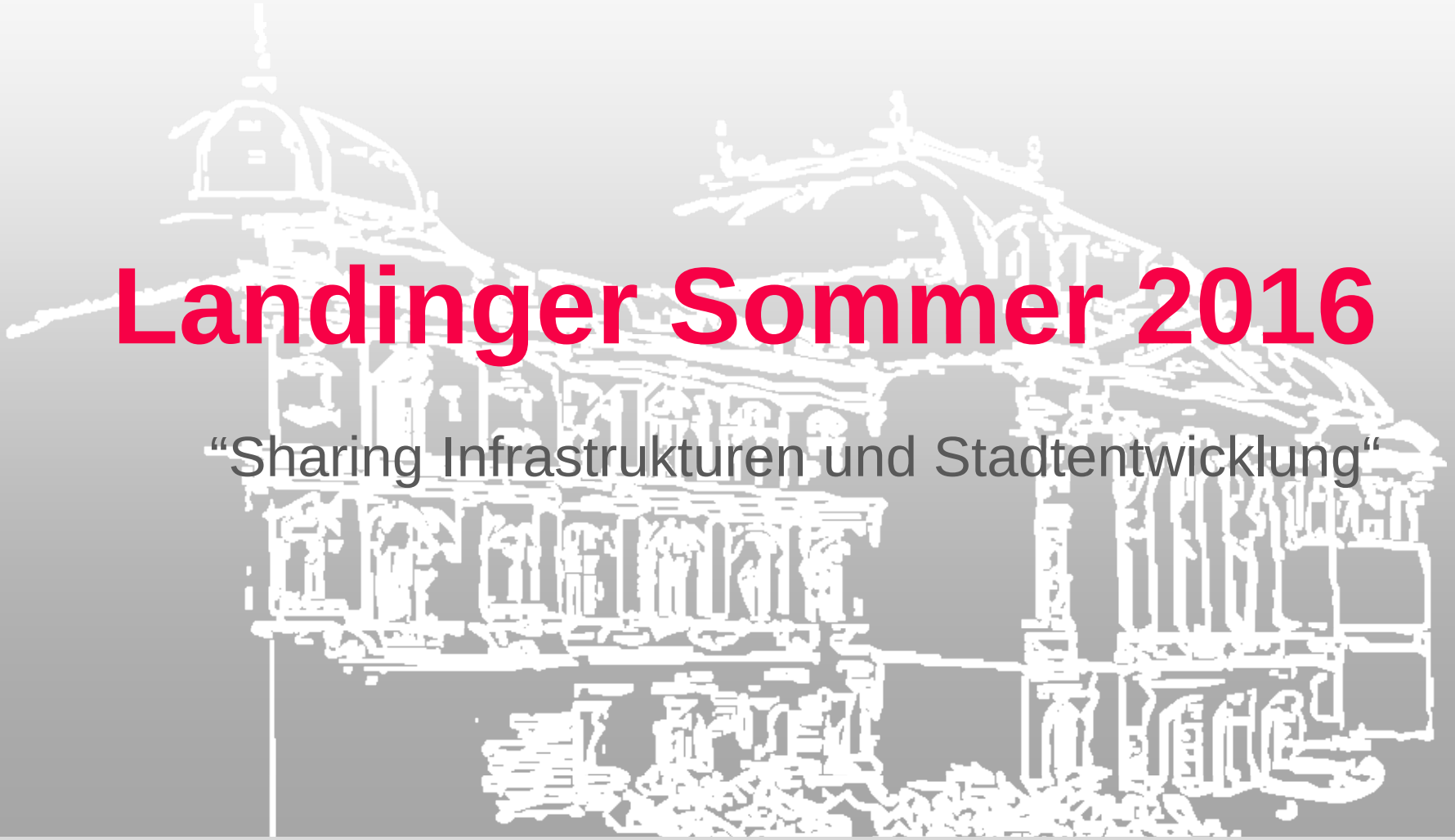
S C I E N C E ▪ P A S S I O N ▪ T E C H N O L O G Y



# Landinger Sommer 2016

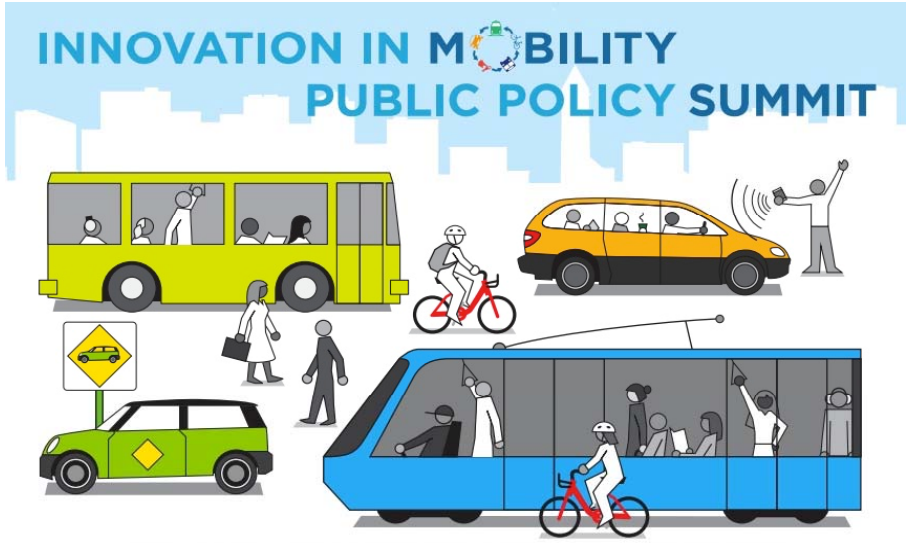
## “Sharing Infrastrukturen und Stadtentwicklung“

# Inhalt

1. Herausforderung für Städte: Sharing Economy
2. Grundprinzip „smarter“ urbaner Transformation
3. Beispiele von „Sharing Infrastrukturen“
4. Mögliche Ziele für die Zukunft

# Herausforderung Sharing Society & Economy


SHARED-USE MOBILITY SUMMIT




ON DEMAND conference

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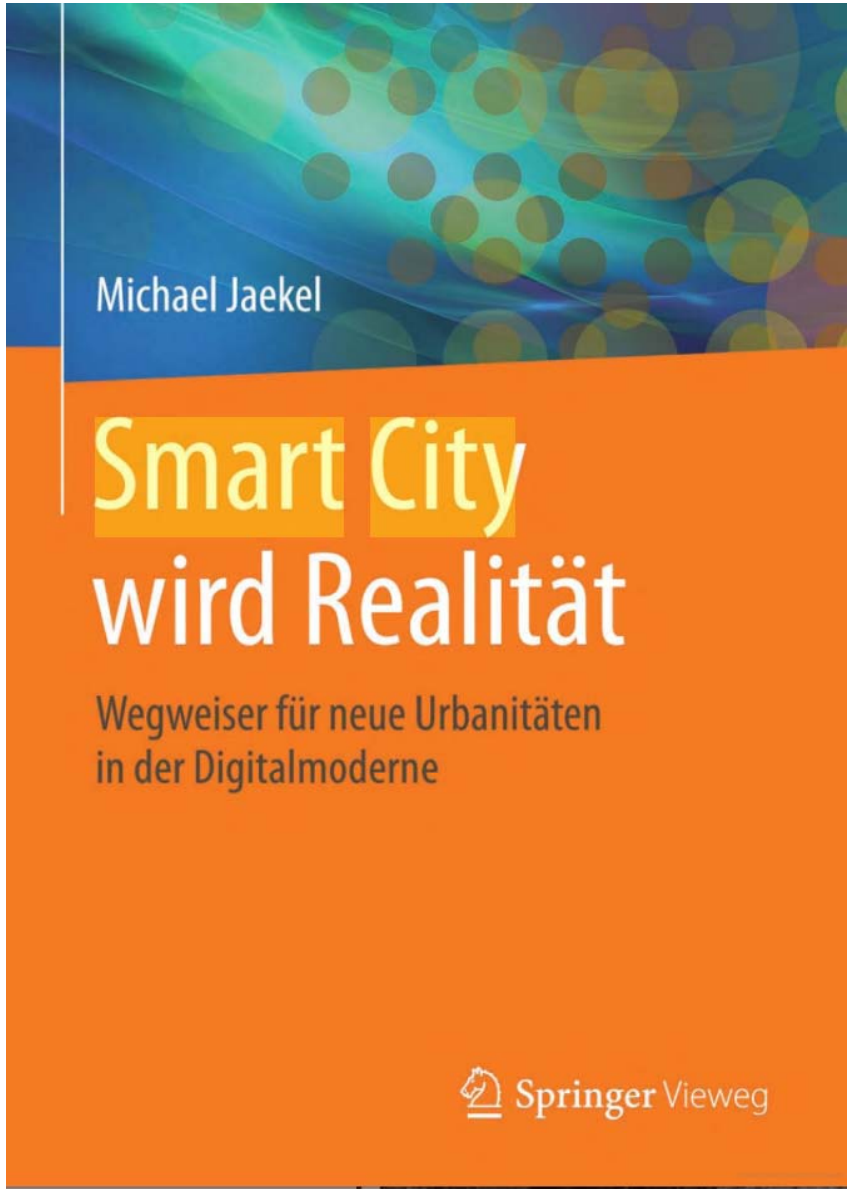
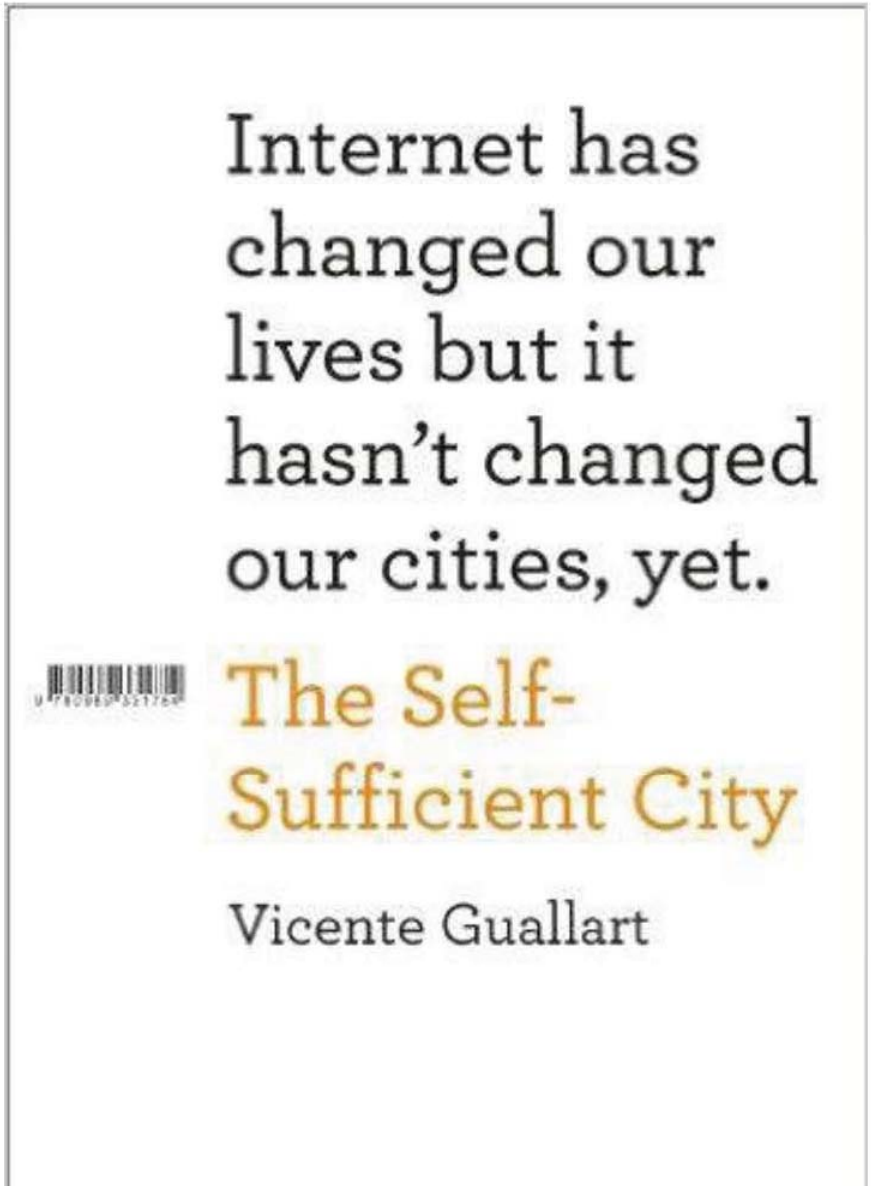
# Herausforderung Sharing Society & Economy



# Prinzipien „smarter“ urbaner Transformation

Big actions / Long term / Plans / Government

## Top Down

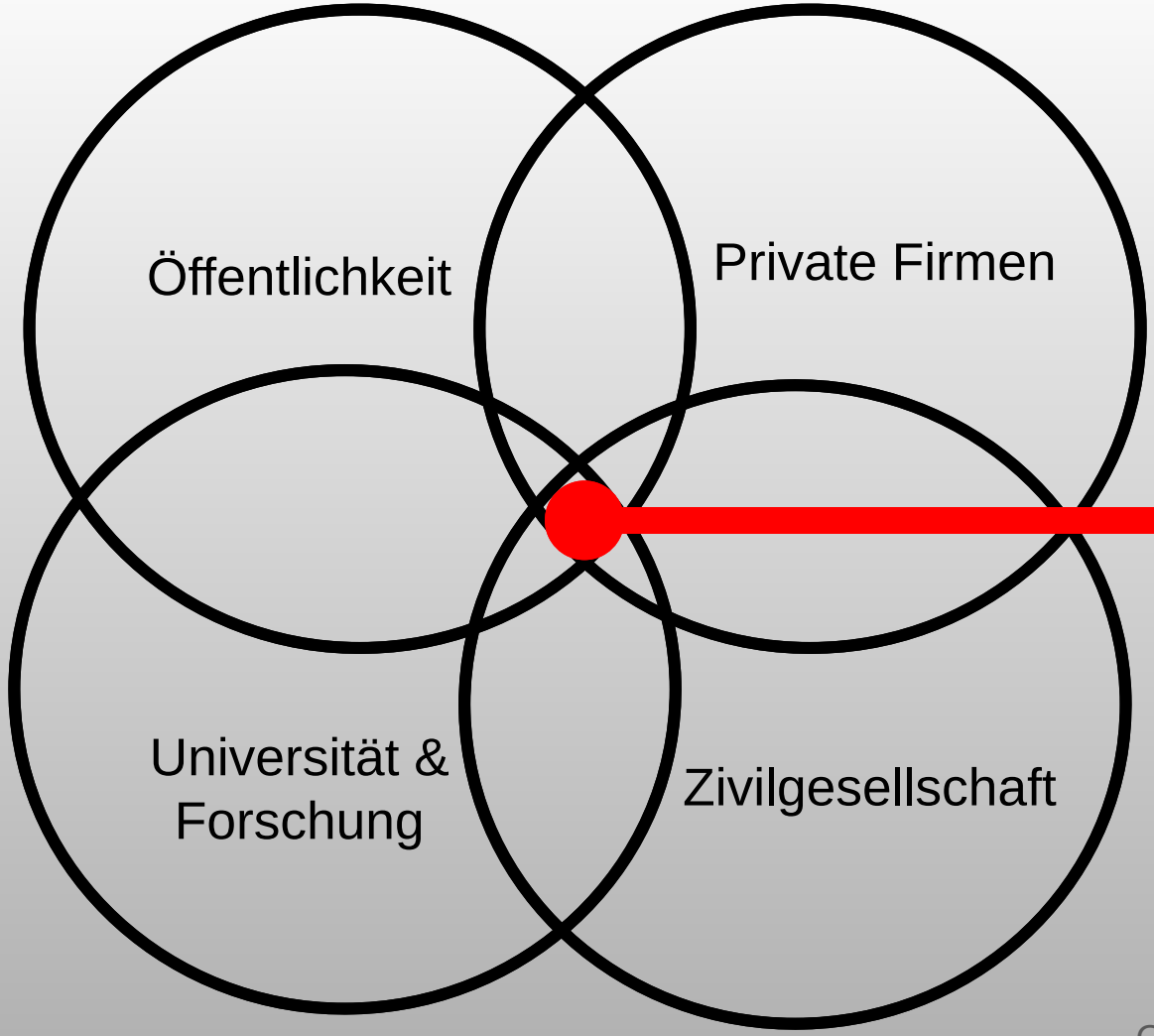
## &

## Bottom Up

Small actions / Short term / Projects / People

Quelle: Vicente Guallart, Institute for advanced architecture of Catalonia

# Prinzipien „smarter“ urbaner Transformation




**Ziel ist es, soziale Innovation und Unternehmer-tum zu ermöglichen**

Quelle: Igor Calzada, University of Oxford, Urban Transformations

# Beispiele – Sharing Infrastruktur

Gibt es „gscheite“ Beispiele ?

# Beispiele – Sharing Infrastruktur



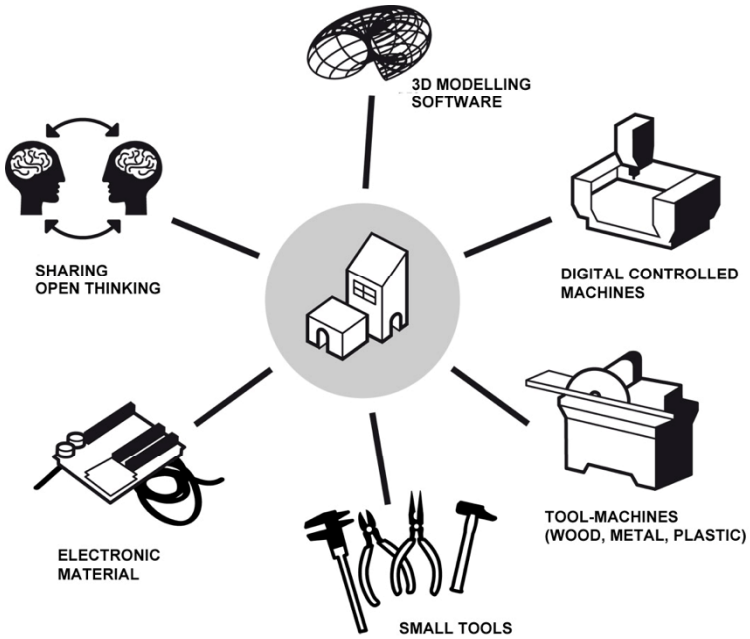





▶ www.tugraz.at; smart urbanism team

# Beispiele – Sharing Infrastruktur

FABLAB

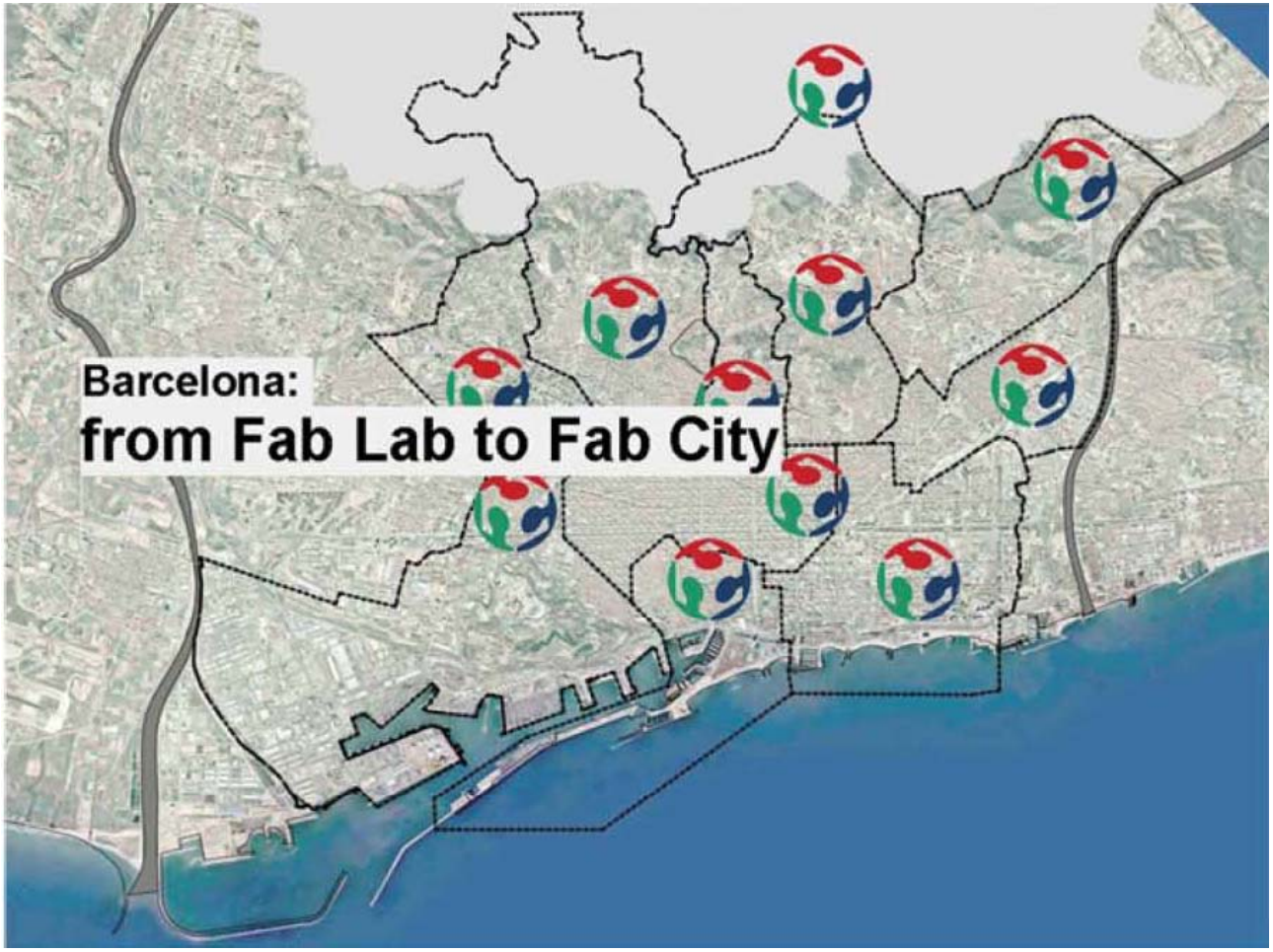




http://www.honfablab.org/about-2/


Quelle: https://www.ntnu.edu/fablab/what-is-a-fablab-

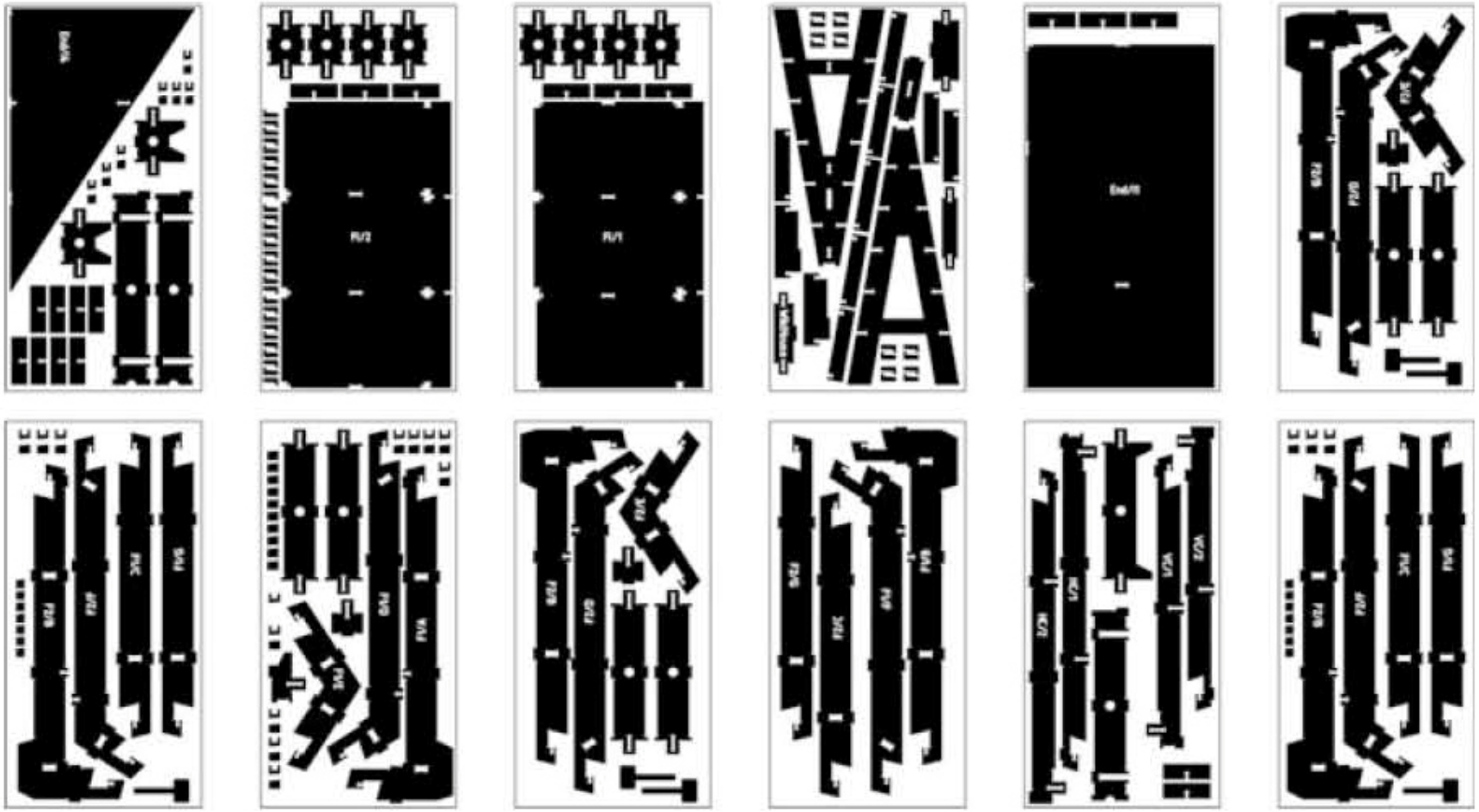
# Beispiele – Sharing Infrastruktur

## „Barcelona 5.0“ – Städtisches Netzwerk an FabLabs

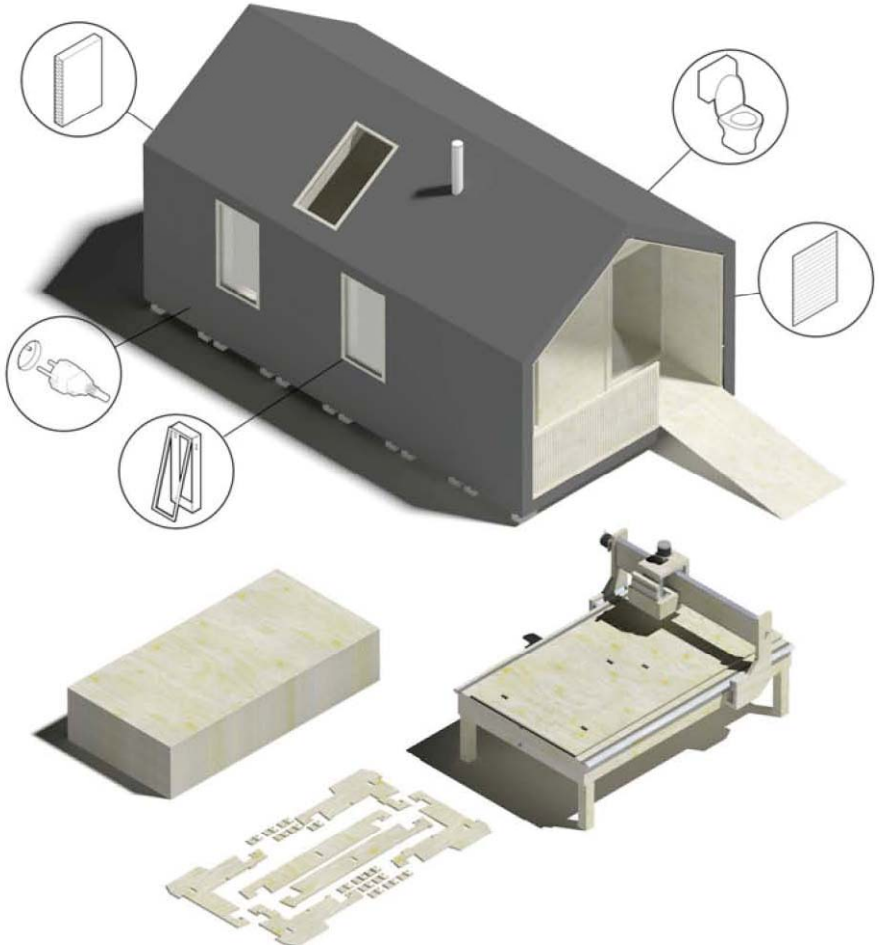



Quelle: Barcelona 5.0

# Schlaue Produkte?

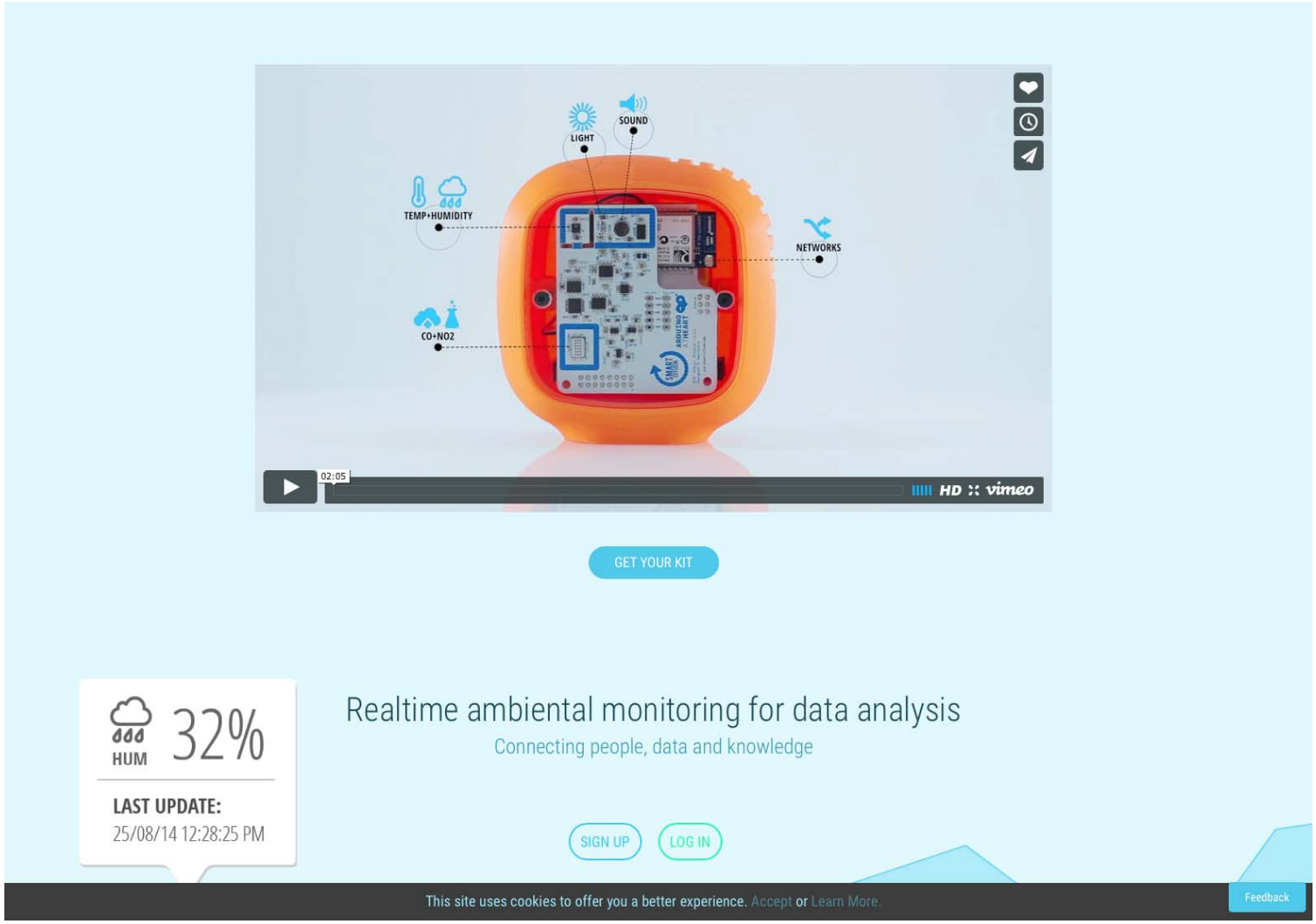


# Schlaue Produkte?



Quelle: © WickiHouse

# Schlaue Produkte?




Quelle: https://smartcitizen.me

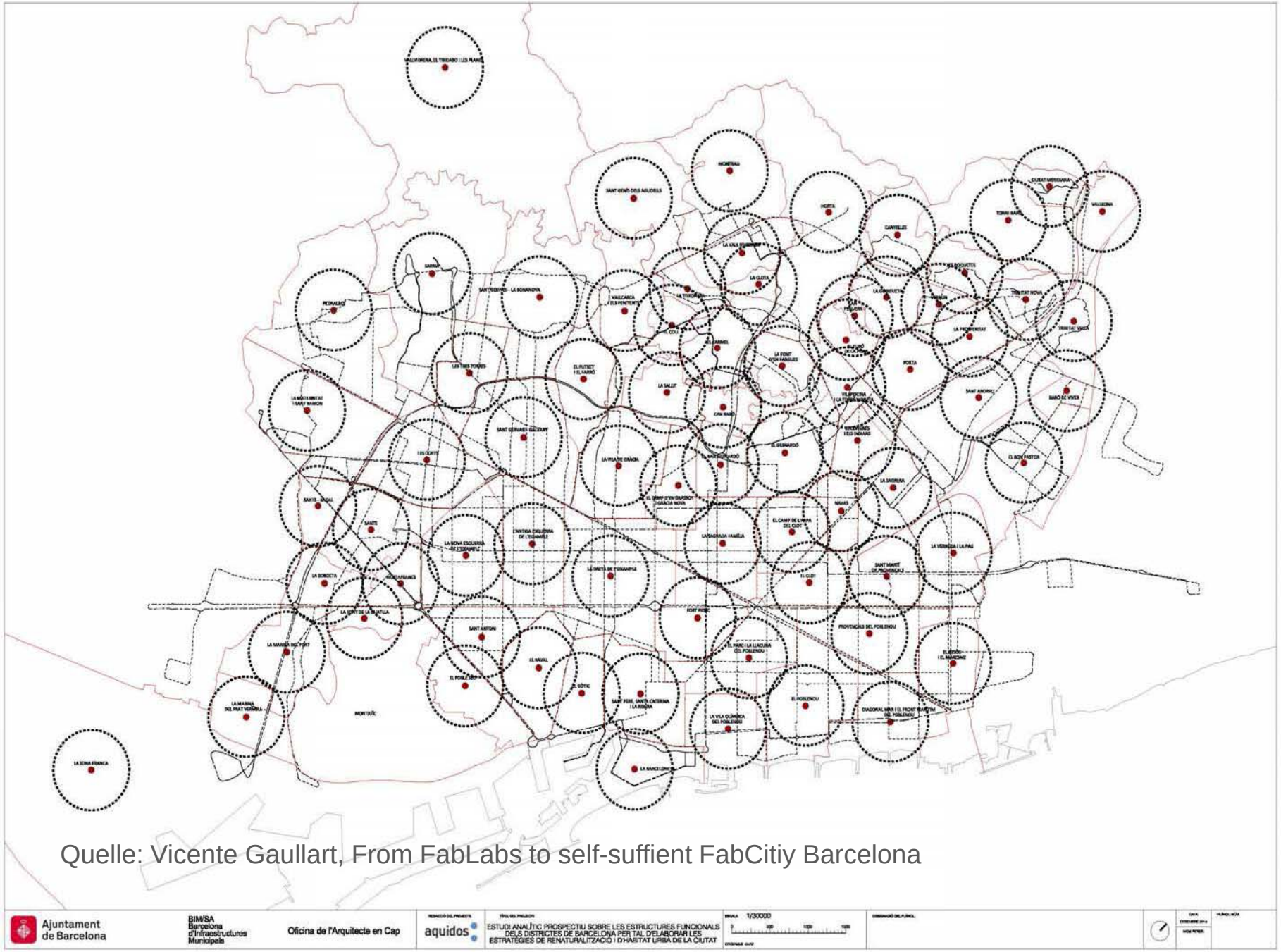
# Mögliche Ziele für die Zukunft

10 PRINCIPLES TO MAKE A (REAL) SELF-SUFFICIENT FAB CITY

INFORMATION: Information as a public service, Internet of everything
WATER: 100% Recycling of water, reusing nutrients for nature
ENERGY: 100% renewal energies, Distributed network with local storage
MATTER: Full traceability with 0% waste, 20% reposition chain
FOOD: 100% vegetables local mix production, interaction with the territory
MOBILITY Mobility as a service, no private cars in town
URBANITY: Metropolis of neigborhoods, public space as a common place
ECONOMY: Distributed economy, empowering innovation
EDUCATION: Global collaborative education, school as a lab
SOCIETY: Civic governement, Full open data

EMPOWERING THE CITIZENS, EMPOWERING THE CITIES

Quelle: Vicente Gaullart, From FabLabs to self-suffient FabCity Barcelona




Quelle: Vicente Gaullart, From FabLabs to self-suffient FabCitiy Barcelona


# Herzlichen Dank für Ihre Aufmerksamkeit!

Arch. Dipl.-Ing. Ernst Rainer
https://www.pinterest.com/ernstrainer/smart-urbanism