

# Eva Schweitzer



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  - Urban Mobility





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# Smart Cities and Digital Literacy

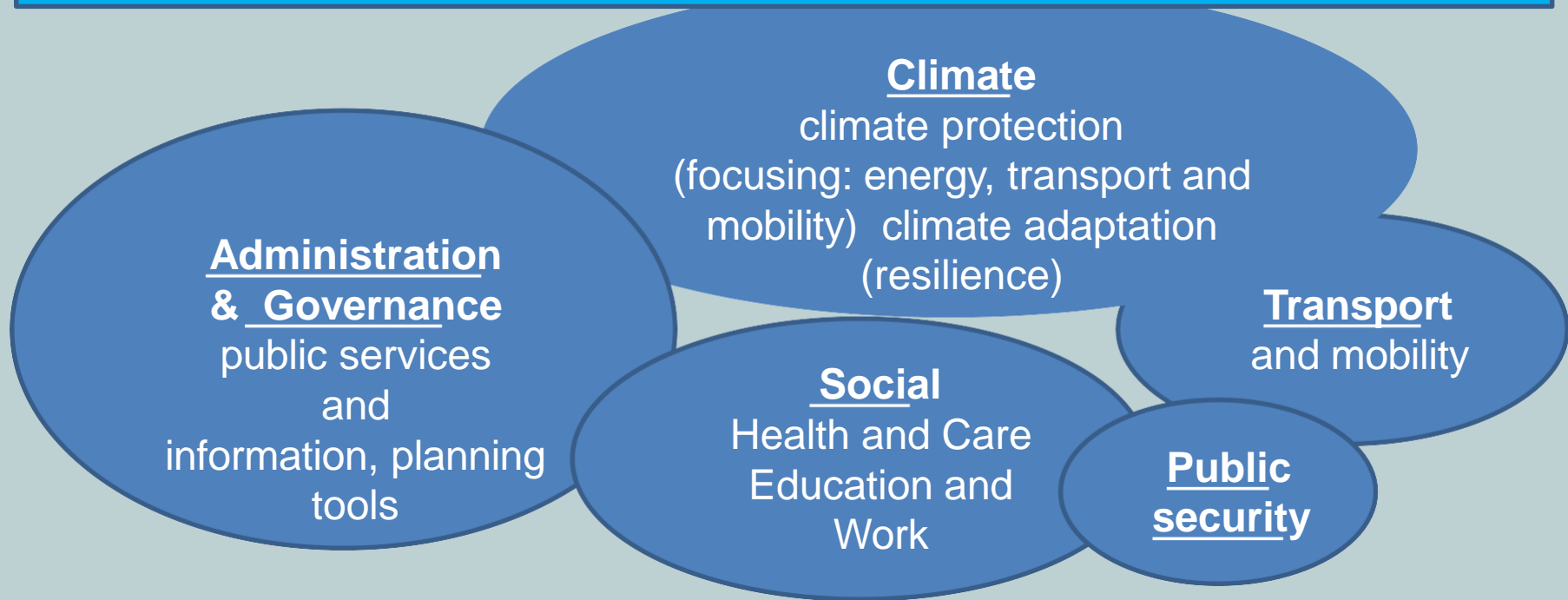
Eva Schweitzer

Connective City Workshop  
Digital literacy and municipal  
service design

18.08.2021

# Smart City –goals, main topics and techniques

**Goals:** sustainability and cohesion, innovation and efficiency



**Techniques:** social media, cloud, mobile data, Open and Big Data, Chips and Sensors, Internet of Everything, digital fabrication techniques

### Smart City Charta

Digitale Transformation in den Kommunen nachhaltig gestalten

### Smart City Charter

Making digital transformation at the local level sustainable



## Smart City Charta

Based on the principles of  
**integrated urban  
development:**

- place-based approaches
- need-driven 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

## 4 guidelines for a sustainable digital transformation:

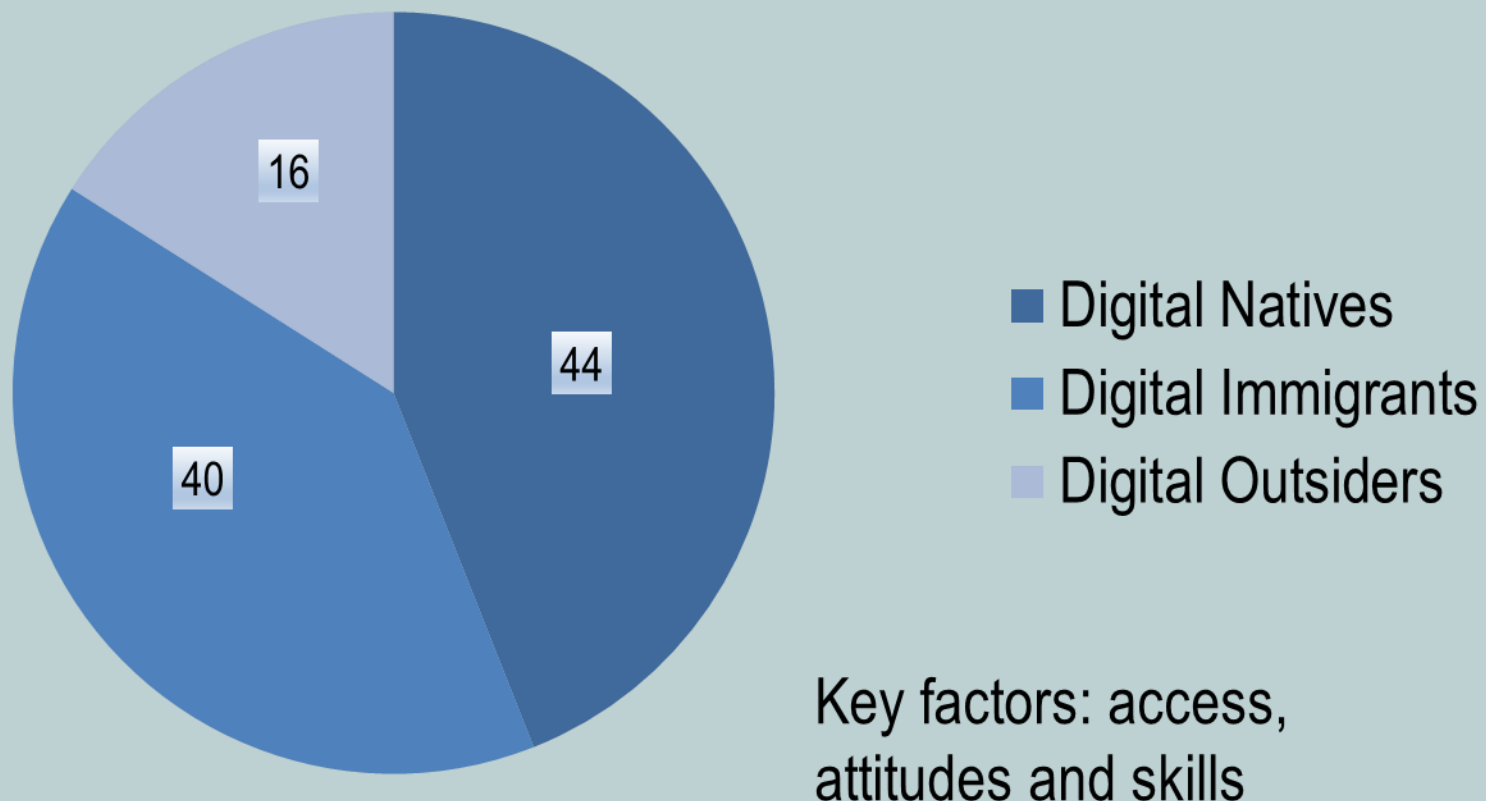
- 1 Digital transformation requires **goals, strategies and structures**
- 2 Digital transformation requires **transparency, participation and co-creation**
- 3 Digital transformation requires **infrastructures, data and services**
- 4 Digital transformation requires **resources, skills and cooperations**

## **Guideline 4 – Digital transformation requires resources, skills and cooperations**

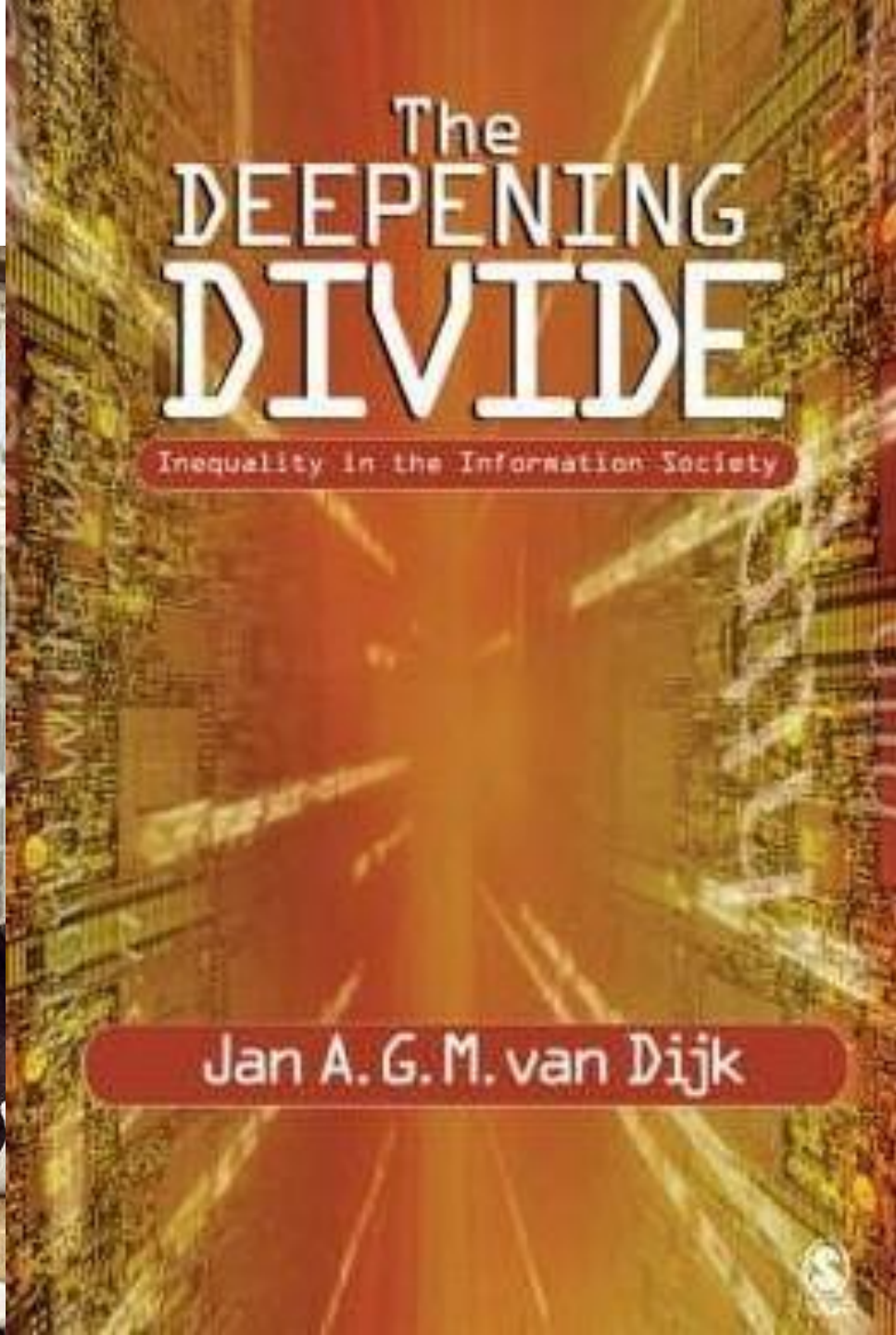
### **Selected Recommendations**

- Providing the necessary resources to local administrations and municipal corporations
- Developing digital skills; promoting lifelong learning
- Expanding co-operations with business and research; creating innovative spaces; strengthening local knowledge and value creation

# Digital Divide - German Digital Society







# Major Issue: Digital Literacy

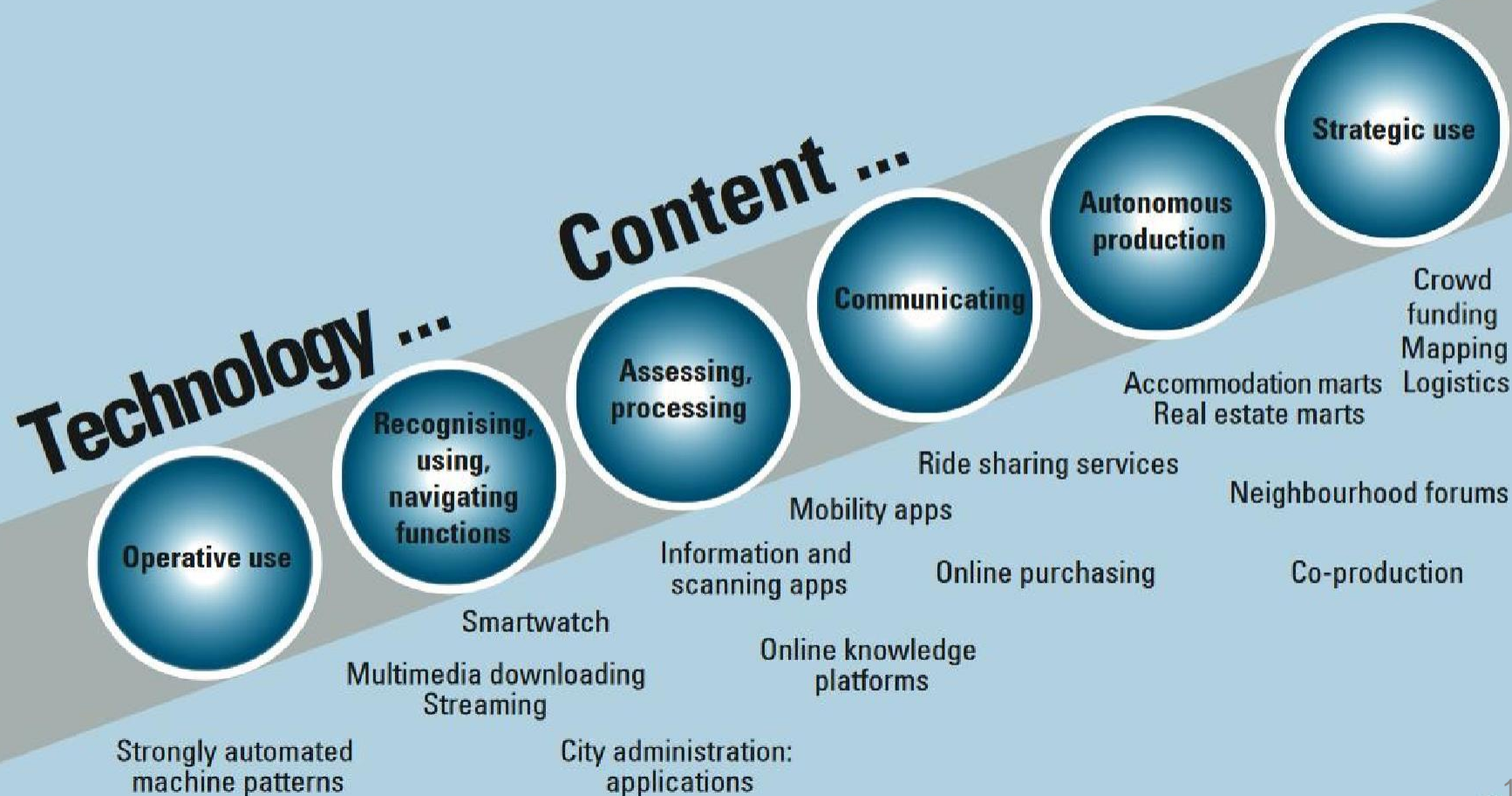
Quality and quantity of usage  
depends on education, age and gender

Challenge:

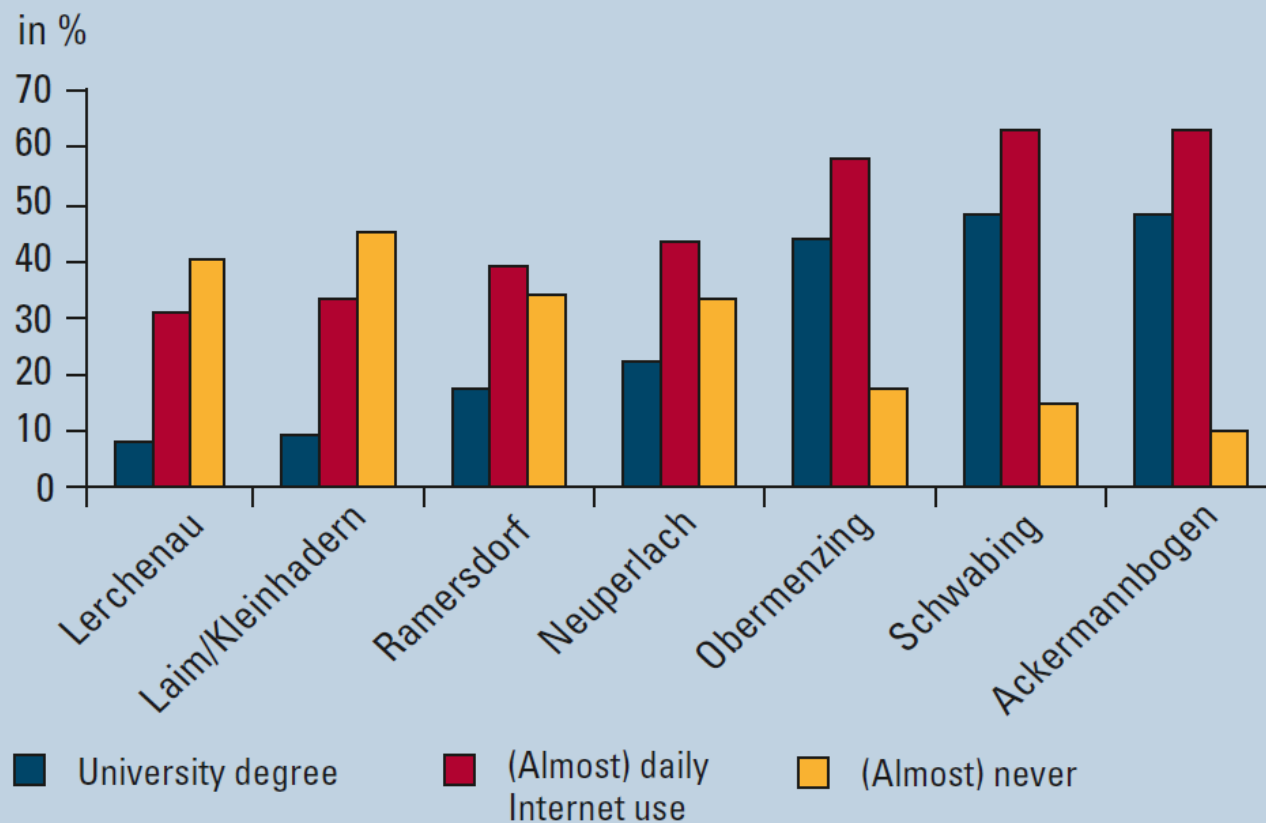
- how to prevent a further segregation?
- how to build up a smart city for everyone, a digital inclusive city?



## Digital competences: Phased model and application cases in the field of urban development



**A comparison of seven Munich neighbourhoods: percentages of interviewees with university degrees and quantitative Internet use**



Source: Älter werden in München, Analysis: BBSR

# Living Lab Oldenburg (Civic Data Lab)

Strategies and tools to empower people digitally and promote digital skills

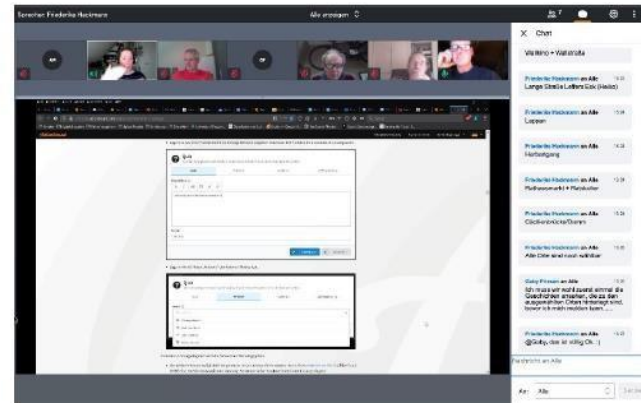
## 4 Elements

1. IT-Pilots (tutors and trainers)
2. Action Bound (digital scavenger hunt, geo-caching)
3. Digital City Experience (AR App)
4. Hackathons









# 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

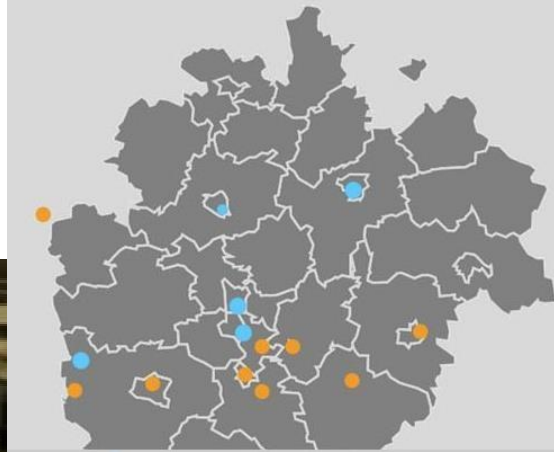


# Co-Creation: Co-Design and Co-Production in an open technology





# Fab Lab Nürnberg





Thank you for your  
attention!

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