SMART CITIES AND DIGITAL LITERACY

DEVELOPING FUNDABLE PROPOSALS FOR THE DIGITALISATION OF SERVICES IN MUNICIPALITIES

WORKSHOP NOVEMBER 25TH & 30TH 2021
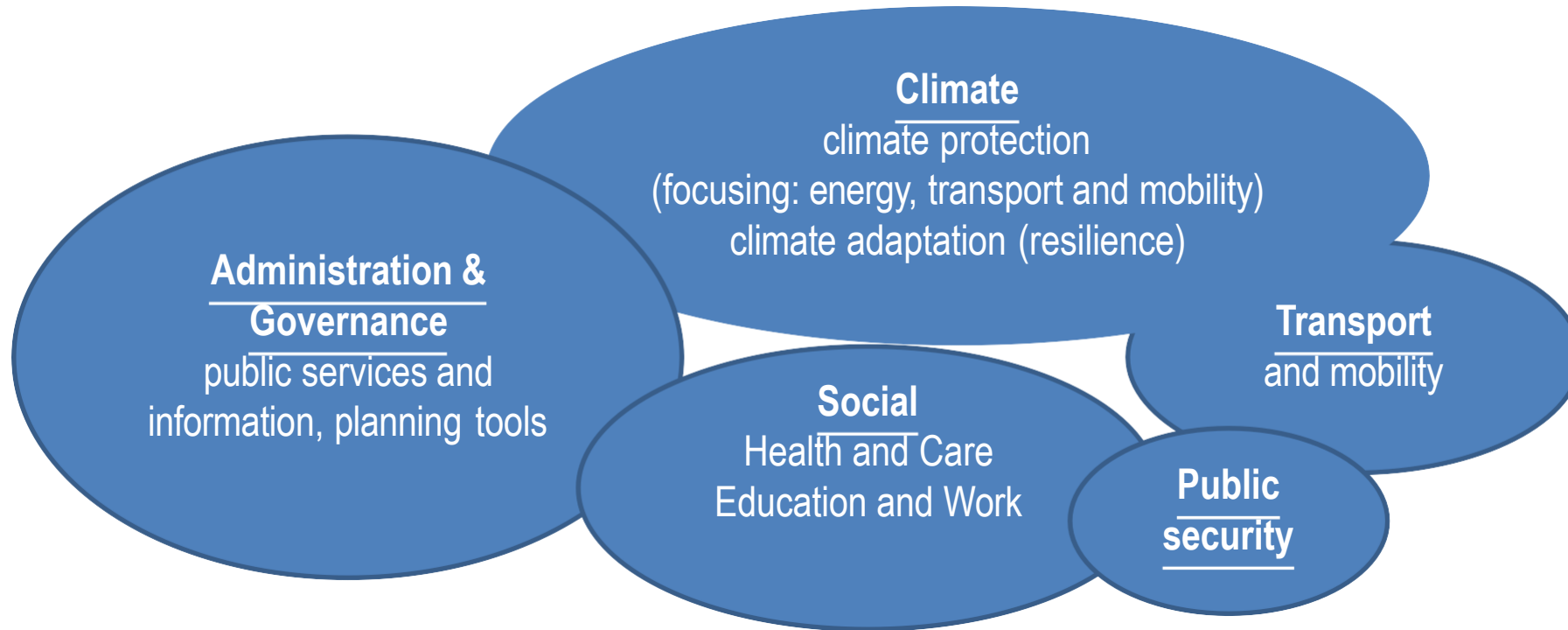
CONNECTIVE CITIES

November 25th 2021

Orhan Güleş, Smart City Team BBSR

SMART CITY: GOALS, TOPICS AND TECHNOLOGIES

Goals: sustainability and cohesion, innovation and efficiency

Climate
climate protection
(focusing: energy, transport and mobility)
climate adaptation (resilience)

Administration & Governance
public services and information, planning tools

Social
Health and Care
Education and Work

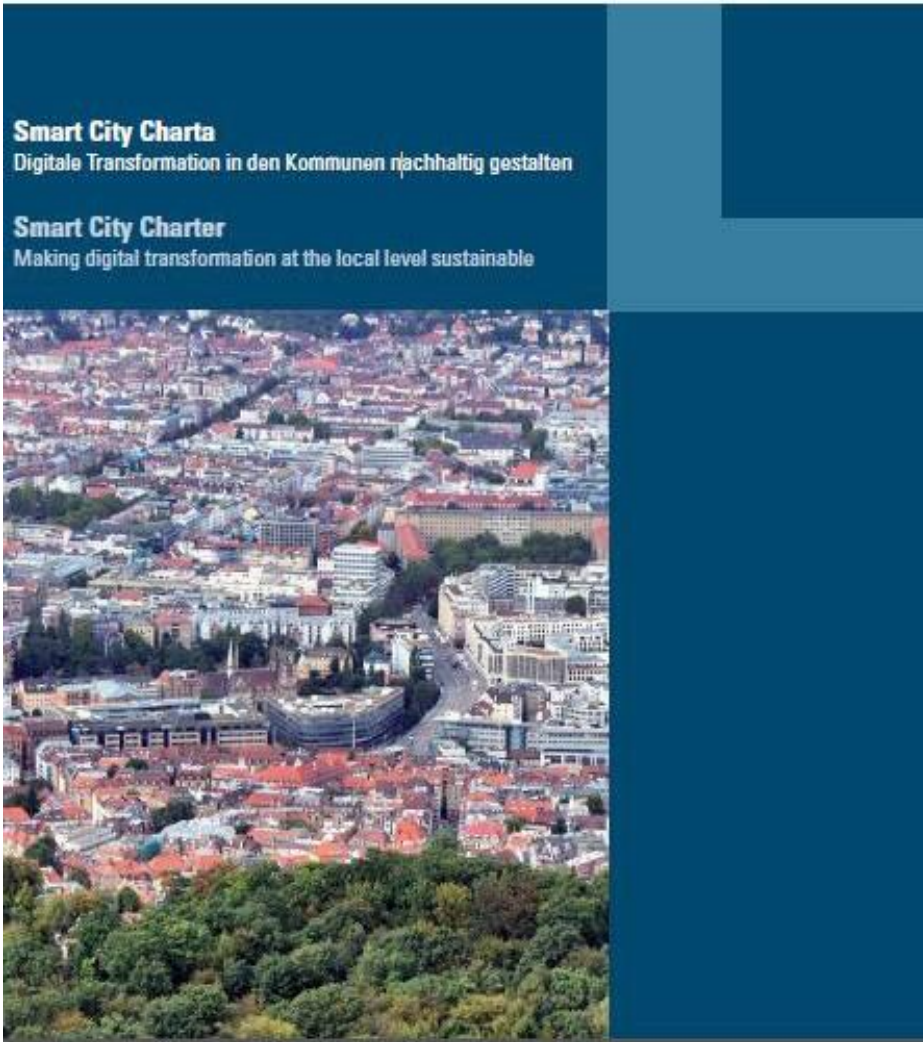**Transport and mobility**

Public security

Technologies: social media, cloud, mobile data, open and big data, AI, chips and Sensors, Internet of Things (IoT), digital fabrication technologies

SMART CITY CHARTER

Based on principles of **integrated, sustainable & common welfare oriented urban development**:

- place-based approaches

- need-driven development

- Define potentials and risks of digitalisation

- Define role of cities and citizens

- How to react to make sure that „smartification" will lead to sustainable development.

SMART CITY CHARTER

Central guidelines for a sustainable digital transformation

- Digital transformation requires **goals, strategies and structures**

- Digital transformation requires **transparency, participation and co-creation**

- Digital transformation requires **infrastructures, data and services**

- Digital transformation requires **resources, skills and cooperations**

SMART CITY CHARTER

Guideline 4: Digital transformation requires resources, skills and cooperations

Selected Recommendations

- Developing of technical, communicative digital skills (including data skills), management of networks and IT security

- Providing of digital learning opportunities and cooperation between municipal administrations, research institutions and regional businesses to teach digital skills

- Strengthening media skills, among other approaches with focus on informal learning, learning in the company and local opportunities in urban neighbourhoods

DIGITAL SKILLS (DIGITAL LITERACY)

BASIC UNDERSTANDING: TWO POINTS OF DEVELOPMENT

- Digital skills encompass both internal administrative processes and processes of digitalisation in urban society.

Elements

- Development of organisation structures and decision-making processes

- Qualification of (data) infrastructures

- Qualification of municipal staff

- Participation of urban society in and through digitalisation

Topic of Workshop

Relevant questions for developing municipal digital services (selection):
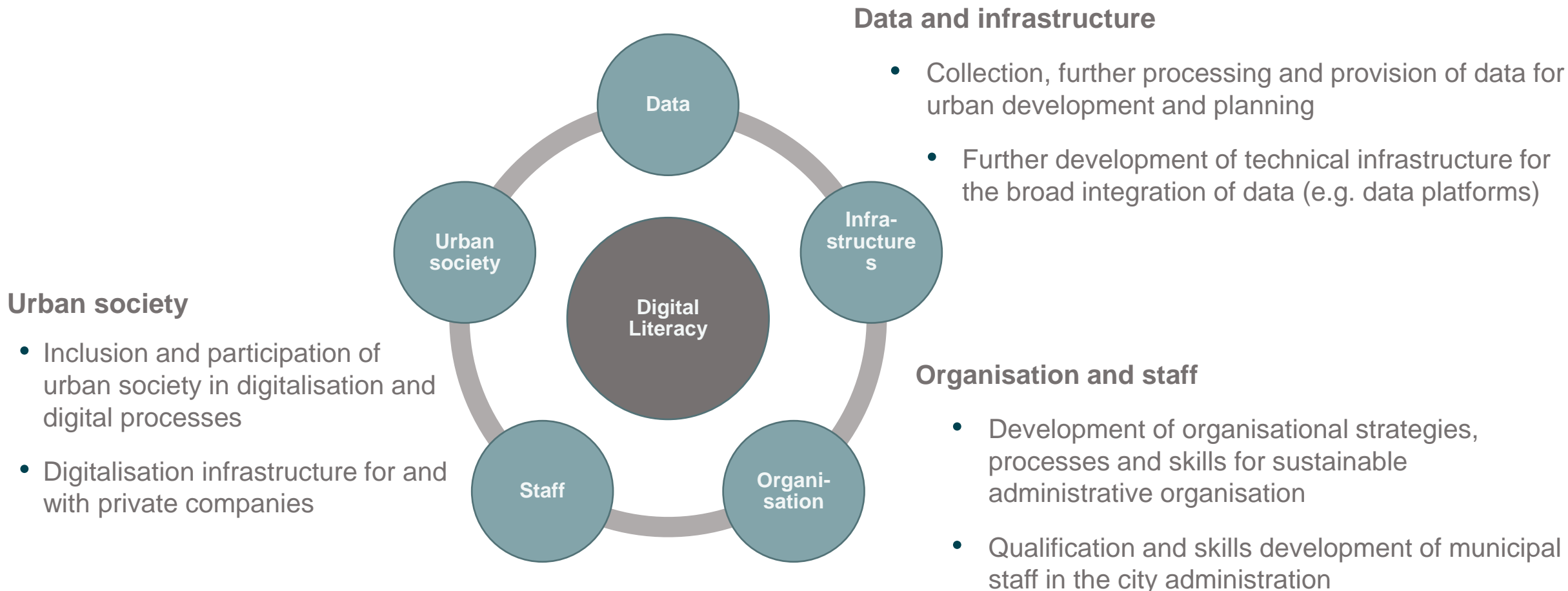
- Which groups in urban society use how digital municipal services?

- What are factors for using / non-using of digital services?

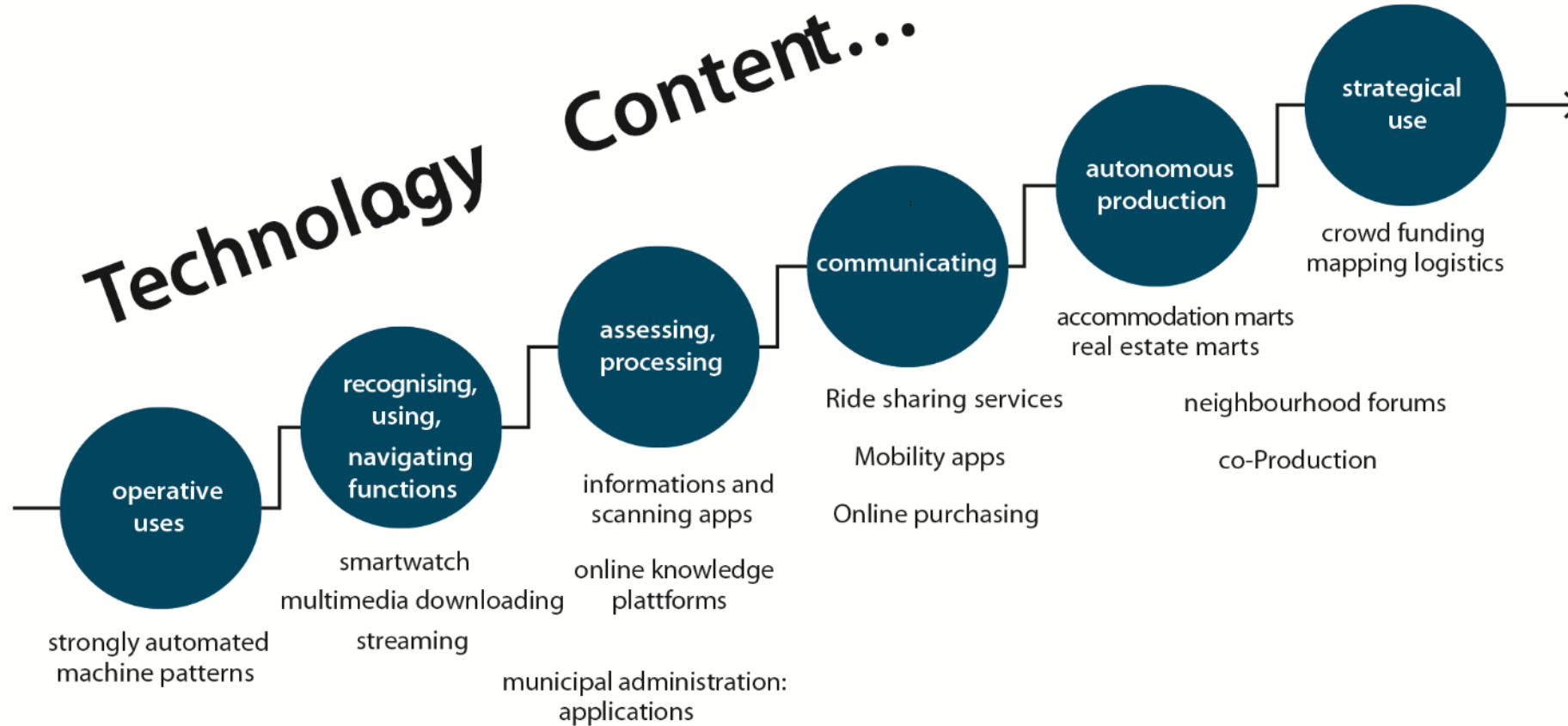- What are possibilities of municipal administrations to promote digital skills of residents?

1 Digital skills
in civil society
(companies, civil society
stakeholders, residents)

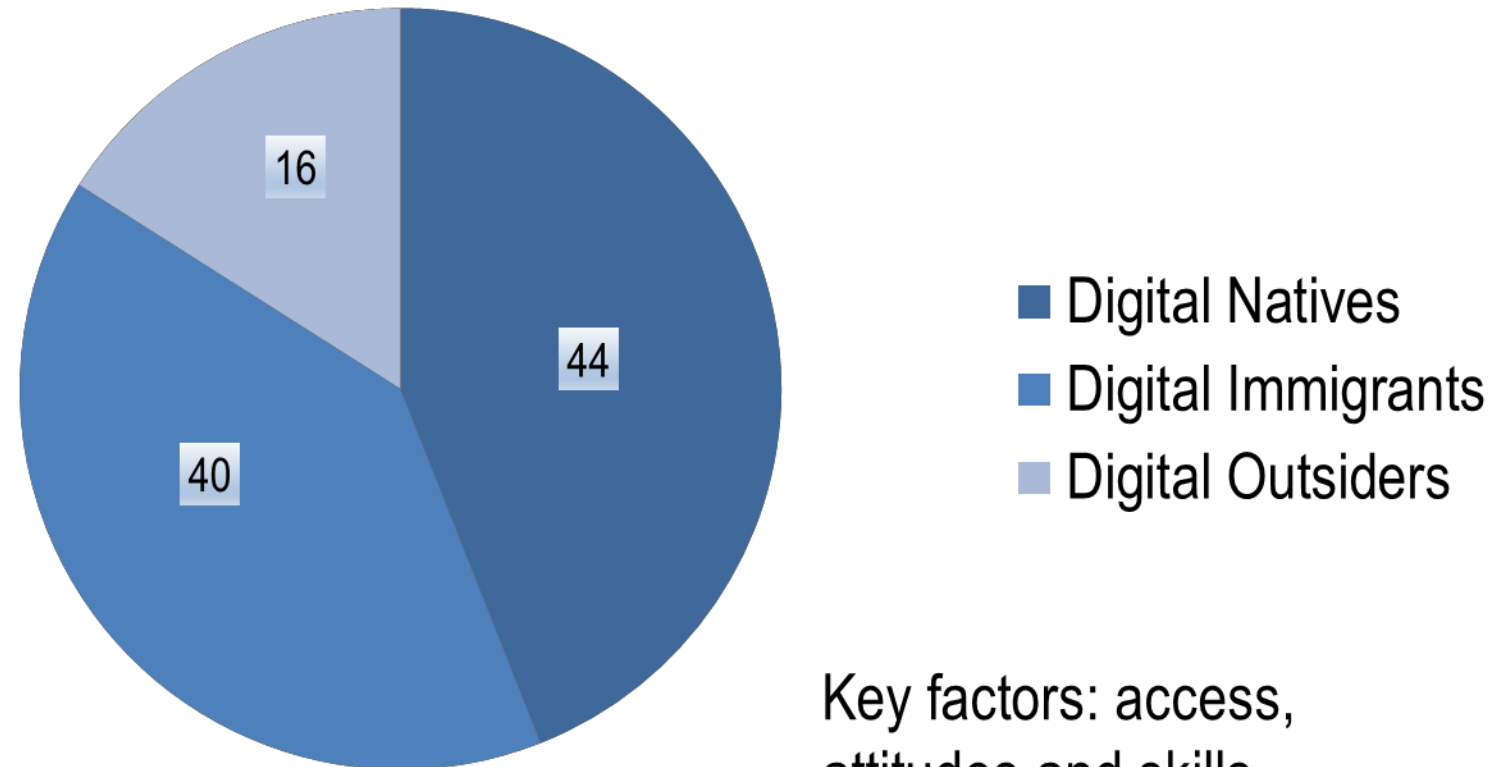**2** Digital skills in municipal
administrations and companies

DIGITAL LITERACY: MUNICIPAL ADMINISTRATION & URBAN SOCIETY

BBSR

Data and infrastructure

- Collection, further processing and provision of data for urban development and planning

- Further development of technical infrastructure for the broad integration of data (e.g. data platforms)

Data

Infra-structures

Urban society

Digital Literacy

Urban society

- Inclusion and participation of urban society in digitalisation and digital processes

- Digitalisation infrastructure for and with private companies

Staff

Organi-sation

Organisation and staff

- Development of organisational strategies, processes and skills for sustainable administrative organisation

- Qualification and skills development of municipal staff in the city administration

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DIGITAL DIVIDE – GERMAN DIGITAL SOCIETY

- Digital Natives
- Digital Immigrants
- Digital Outsiders

Key factors: access, attitudes and skills

LIVING LAB OLDENBURG (CIVIC DATA LAB)

Strategies and tools to empower people digitally and promote digital skills

4 Elements

- Action Bound (digital scavenger hunt, geo-caching)

- Hackathons

- IT-Pilots (tutors and trainers)

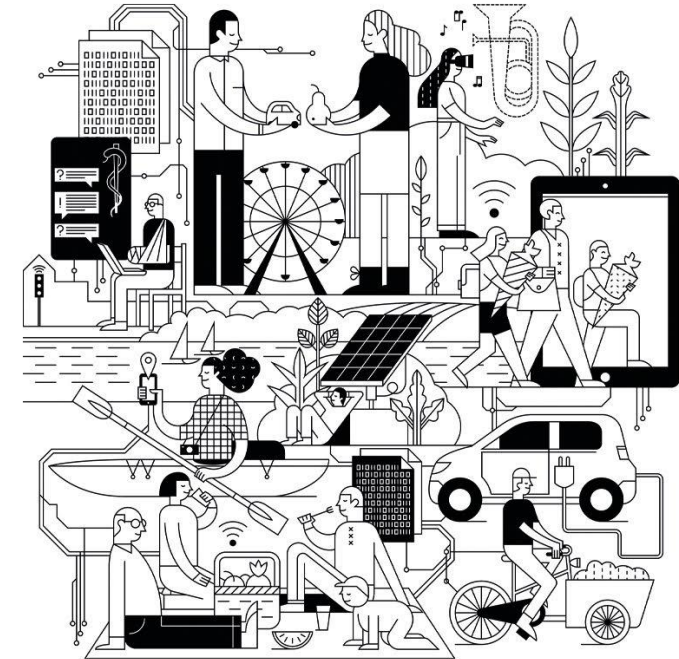- Digital City Experience (AR App)

More information
https://www.oldenburg.de/startseite/buergerservice/digitalisierung/definition-digitalisierung/digitale-lernlabore.html

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DIGITAL AGENDA AMT SÜDERBRARUP

- Funding of Model Projects Smart Cities (MPSC) (since 2019, Federal Ministry for Building): Development and testing of cross-sectoral digital strategies for future city life

- "Digitale Agenda Amt Süderbrarup": developing and implementing local smart city strategy smart city projects (including development of digital skills in local urban society)

- Bundling of various services to develop digital skills of citizens and other (open) analogue and digital services in new digital center (Smart City Lab) (including hardware and repair café)

- Conducting surveys and involving citizens to identify the needs of the urban society

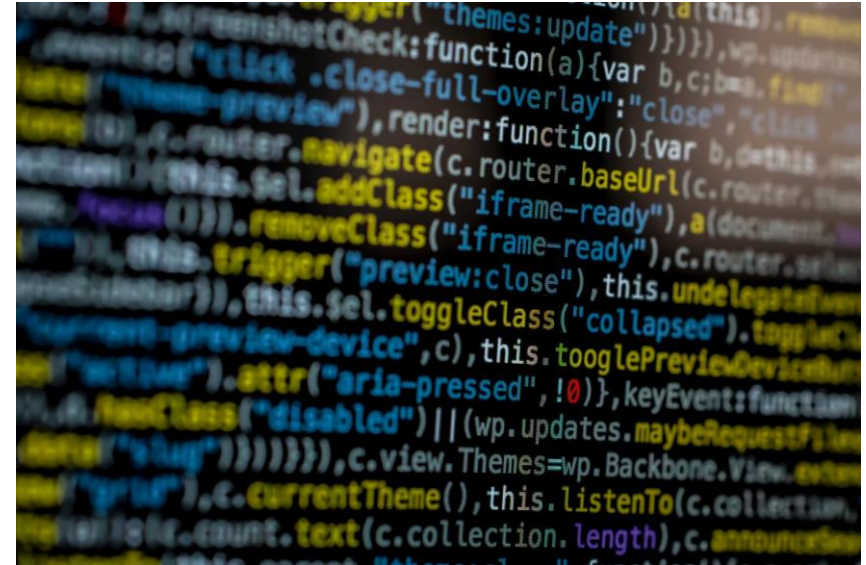- Relevance of digital learning places and analogue activities

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More information
https://smartcityamtsuederbrarup.de/

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DATA STRATEGIES FOR COMMON GOOD ORIENTED URBAN DEVELOPMENT

- Use data in a goal-oriented way

- Build up and develop data competence

- Dealing with data in a value-oriented way

- Creating access to data

- Using data to create municipal added value, strengthen services of general interest and business models

- Creating added value for common good oriented urban development through data cooperation

- Create transparency, enable participation & co-creation

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#CONNECTEDINEUROPE

- Role of European Green Deal and Digital Europe Programme in implementation of regulations and design of funding instruments: Development of European municipalities into smart cities.

- #connectedineurope: addressing the need of structured bundling and support for participation of municipalities in European networks, projects and initiatives for digital transformation (thematic field: digital transformation and urban development

- Core activities: information, qualification and empowerment of German and European municipalities for European networking, providing municipalities with practical tools and knowledge through peer learning and networking workshops

- Developing and promoting of national and European networks on digitalisation and urban development, promoting networking between ministries for urban development and digitalisation, institutional stakeholders at EU level and networks and initiatives

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More information
https://www.smart-city-dialog.de/en/europe-2

Link registration kick off conference
#connectedineurope (February 10th 2022)
https://app.veertly.com/v/connectedineurope

THANK YOU FOR YOUR ATTENTION!

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Smart Cities

Research Cluster of the Federal Institute for Research on Building, Urban Affairs and Spatial Development

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