City of Ulm

Open. Clever. Sustainable. For everyone.

About Ulm
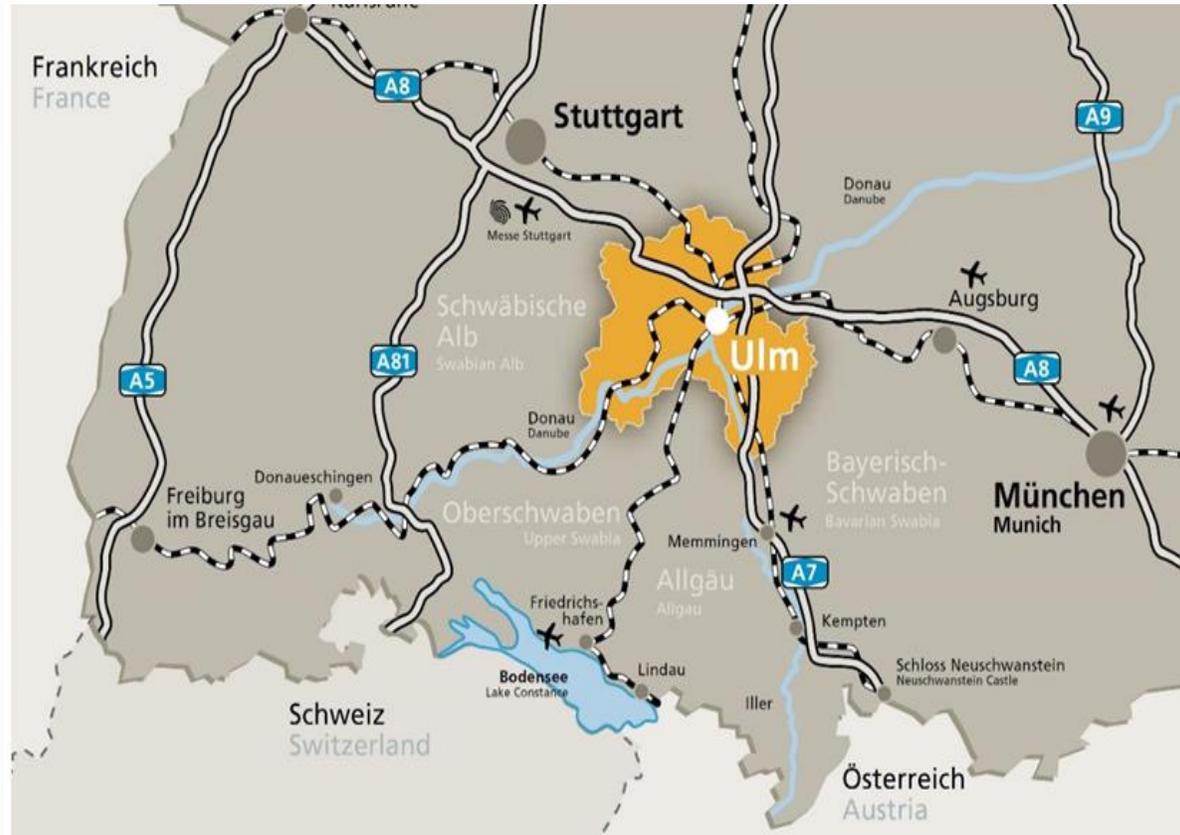
Source: Deutsche Bahn

Hard facts

- Population: 126.400 in Ulm plus 63.500 in Neu-Ulm (across the river)
- Nationalities: 147
- Students: approx. 15,000+
- Jobs: 80.000

About the City of Ulms' focus and interests

Focus and background

- Mobility-, social-, and digital transformation of the city

- Urban development issues:

- Growing city: issues around traffic, housing, society due to growing closer to major cities

- Sustainability: climate protection and circular economy

- Data: Urban data space, technological sovereignty, and data ethics

Interest and ambitions

- Offer the city as testing ground for urban development based on innovative technologies (e.g. IoT, data based approach)

- Add specific value to a European partnership, by offering our expertise and experiences, or those of further local partners

- Disseminate project result throughout our cities' networks and communities

- Create relationships and new networks

For capacity reasons, we are not able to take the project lead now, but we would like to be involved as a partner and promote the knowledge transfer on both sides.

Interest, Goals and Perspectives related to Green, Social, and Digital Transformation of the City

Safety & Security

- Smart lighting
- Noise level monitoring
- Data security and data sovereignty

Living and Inclusion

- Silver Economy – ambient assisted living
- Digital competences & skills

Energy and Environment

- Strengthening cooperation between city & businesses
- Remote readout & dynamic energy certificate
- Heat planning and Smart grids
- Energy security
- Urban adaptation to climate change (heat stress, heavy rainfall, etc.), e.g. smart green

Economy & Tourism

- Sustainable travel
- Making tourism agile, innovative, accessible & safe
- Innovative entrepreneurship

Technology / IOT

- Open data platform & use cases
- LoRaWAN / IOT / Sensor applications

As always, these are some examples outlining the direction we are moving to. If you have any other topics and ideas in mind we are happy to discuss those together.

Examples of previous and current topics

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stadt.

Climate Action

- Sensors and Monitoring

- Mobility Hubs

- State Garden Show in 2030

- New climate protection
  concept in 2023 replacing the
  existing concept

Examples of previous and current topics

Urban Data

- LoRaWAN covering the entire city

- Open Data Platform

- Data Ethics Concept adopted by City Council

Source: Digital Agenda, City of Ulm, CC0

Examples of previous and current topics

Source: Digital Agenda, City of Ulm

Citizen Participation as cross-cutting goal

- Long-standing tradition of Ulm as Citizen City

- Online participation platform

- Multiple online and in person events/workshops

- Digital mentors to reduce digital divide

Examples of previous and current topics

Foto: gettyimages/ Skynesher.

Aging and Health

- Digital Mentors
- Ambient Assisted Living Showroom with easy accessible technology for demonstration
- District approach

Ulm Strategies (Documents)

Smart City (EN)

- https://smartcitystrategie.ulm.de/wp-content/uploads/2022/01/Executive_Summary_Smart_City_Strategy_Ulm.pdf

Mobility (DE) -> New Traffic Concept developed in 2023

- https://buergerinfo.ulm.de/vo0050.php?__kvonr=7088

Climate protection (DE) -> Update of Climate Protection Concept in 2023

- https://www.ulm.de/leben-in-ulm/umwelt-energie-entsorgung/energie-und-klimaschutz/klimaschutz-ulm-und-bw/klimaschutzkonzept-der-stadt-ulm

Inclusion (DE)

- https://buergerinfo.ulm.de/vo0050.php?__kvonr=7769

Digitalization of City administration & Public services (DE)

- https://buergerinfo.ulm.de/vo0050.php?__kvonr=6633)

Examples of previous and current projects

National level

zukunftskommune@bw

(District of the future – A digital district in Ulm)
https://www.zukunftsstadt-ulm.de/Eselsberg

Zukunftsstadt2030

(City of the future 2030 - Shape the
sustainable and digital urban development
together with citizens)
https://www.zukunftsstadt-ulm.de

Smart Cities Made in Germany

Ulm has been chosen for national funding as one
among the first Model Projects Smart City from
2019 onwards
https://www.smart-city-dialog.de/en/model-
projects

European level

Horizon 2020

- ICT4CART (ongoing) – Connected and automated road transport - https://www.ict4cart.eu/

INTERREG

- Share place (2019 – 2021) – Intermodal transport information with Digitransit - https://bit.ly/2yOdF4N
- DA-Space (2017 – 2019) – Open labs to promote entrepreneurial solutions and skills - https://bit.ly/3AHrAt6

URBACT

- ENTER.HUB (2012-2015) - Innovative tools to strengthen and expand rail hubs with enhanced urban development and urban policy

Partner description

The Digital Office at the City of Ulm employs a steadily growing team of currently around 14 motivated people with an interdisciplinary background (engineering and ICT over political and cultural studies to economics and accounting). The department fosters innovation towards all facets of a the city's green and digital transformation and coordinates expertise and responsibilities across the entire city company. Our task is to identify, design, and implement smart and sustainable solutions with a direct positive impact on citizens throughout and beyond the city.

The Digital Office offers its expertise with citizen centered approaches, considering innovative technologies as a mean to solve specific urban needs and problems but not as a goal to itself. The department actively engages citizens in the design, selection and implementation of their projects, using multiple target group specific channels online and offline. It maintains close bonds to local and regional partners in industry, economy and especially science, such as universities in Ulm, Stuttgart, Konstanz or Augsburg.
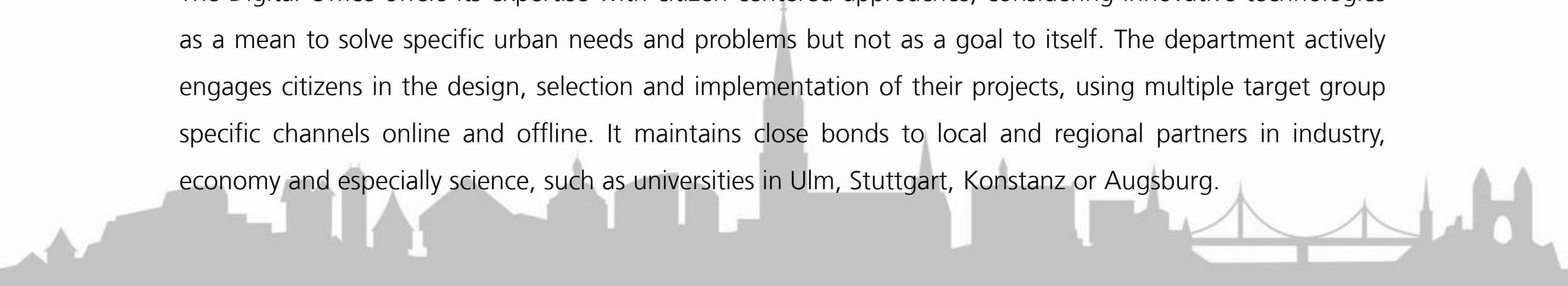
Examples of resources

Within the city

- Digital Office -> interested in European cooperation on green and digital urban transformation involving other departments
- Danube Office -> well connected European partner on green mobility and tourism
- University, University of Applied Science, and research institutes
- Engaged citizenry (associations)
- 4 Science Parks
- City of short ways: shared & public transport

Networks

- Danube-net workers (danet)
- Previous Interreg cooperations [Alpine Space, Central Europe, Danube Region]
- Eurotowns
- #IntelligentCitiesChallenge (ICC)
- Smart Cities Network (Federal Ministry of Housing, Urban Development and Construction - Germany)
- Twin City: Neu-Ulm (approx. 60,000 inhabitants)

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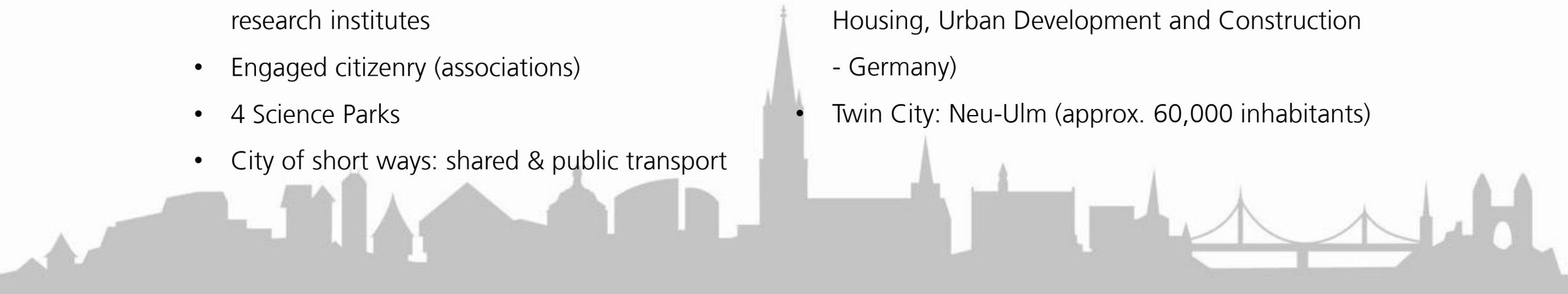
Contact

Please, feel free to contact us if you find Ulm relevant to your project proposal as pilot area, especially if you need a city partner representing the public authority level.

Contact

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https://english.ulm.de/0/smart-city