

# CONFERENCE THEME

In this learning conference, we aim to connect urban labs that actively work on transformative topics, whether they have achieved success or encountered valuable setbacks. By sharing documented experiences, challenges, and breakthroughs, we foster an open exchange to accelerate urban sustainability together. To this end, we would like to share experiences along several thematic lines and draw on insights from the corresponding disciplines to inform our work in the labs.

## CLIMATE PROTECTION AND ADAPTION

Climate change is increasingly manifesting in urban areas through urban heat islands, heavy rainfall and air pollution. One question is how urban climate observations and data analysis can contribute to climate change adaptation and support decision-making and transformation in this challenging area.

## MOBILITY AND URBAN SPACE

The transformation of the transport sector is central to achieving national climate protection targets. Fields of action can be alternative transport systems, sustainable forms of mobility, and the effects of digitalization on urban space. The further development of e-mobility and autonomous driving with the necessary infrastructure are also major (technical) policy challenges.

## WATER AND URBAN ECOLOGY

Urban ecosystems are at the center of a sustainable urban climate. Research on blue and green infrastructures, urban ecology, urban climate research and the integration of water and energy supply is mandatory to utilize urban ecology for future urban design.

## RESOURCES, BUILDING, CONSTRUCTION

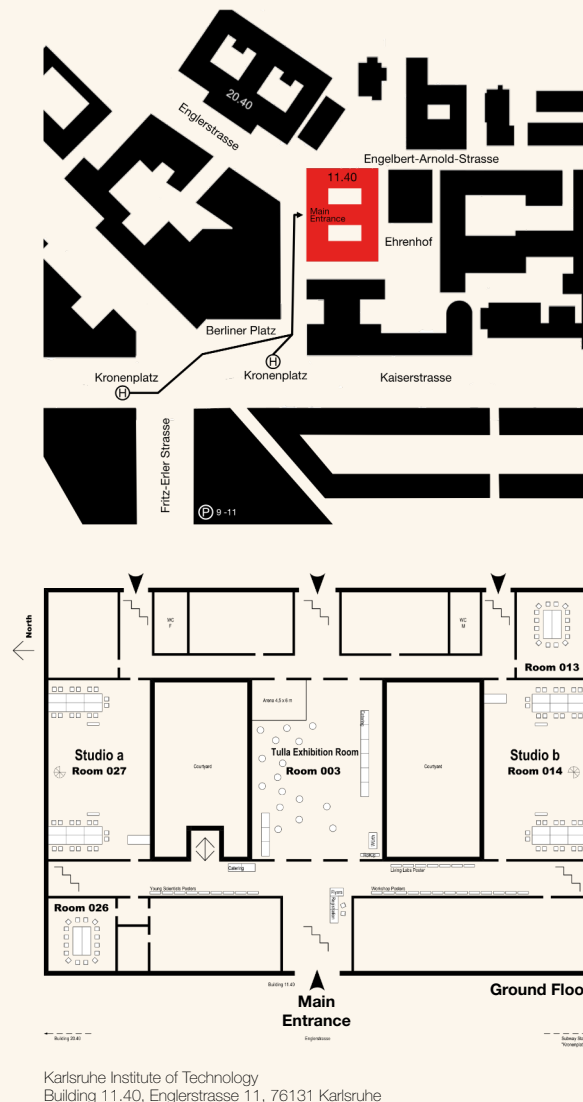
Resource-conserving construction is crucial for climate protection and sustainable resource consumption, as the construction sector causes high emissions worldwide. In order to reduce CO2 emissions in the construction sector, existing settlements and infrastructure must be rebuilt and further developed in an economically and socially responsible manner, and urban green spaces must be preserved and expanded, along with other adaptation measures.

## ENERGY AND DIGITALIZATION

The transformation of urban energy systems and digitalization are vital for sustainable cities. Renewable energy systems, smart cities and the psychological, economic and governance aspects of energy supply and use are relevant in this regard. How can AI contribute to sustainable urban development?

## URBAN GOVERNANCE AND PLANNING

Successful sustainable urban development requires innovative forms of governance and planning as well as the involvement of civil society. This requires a critical review of everyday planning practices and policies, but also the realignment and redesign of training profiles and, last but not least, our lifestyles and economic practices.



Gefördert durch:



Bundesministerium  
für Forschung, Technologie  
und Raumfahrt

Gefördert durch

Baden-Württemberg  
Ministerium für Wissenschaft,  
Forschung und Kunst

ABB

BRÜCKEN

HEIDELBERG

LEIFHELM

L'ORÉAL  
RESEARCH & INNOVATION

Mercedes-Benz

SAP

Schneider  
Electric

SEW

ZEISS



WATER AND URBAN ECOLOGY

RESOURCES, BUILDING, CONSTRUCTION

URBAN GOVERNANCE AND PLANNING

# URBAN TRANSFORMATION

MOBILITY AND URBAN SPACE

## Connecting Urban Sustainability Labs

CONFERENCE  
15 –17 October 2025

ENERGY AND DIGITALIZATION

Gefördert durch

Wednesday, October 15th, 2025

10.00 - 12.00	<b>Excursion to Selected Areas in Karlsruhe</b>	Meeting point: entrance bldg.11.40
12.00 - 12.30	<b>Registration</b>	Tulla exhibition hall, Room 003
12.30	<b>Welcome and Introduction</b>	Tulla lecture hall, Room 103
13.00 - 14.00	<b>Keynote „Real-world Labs for Urban Transformation“</b>	Tulla lecture hall. Room 103
14.00 - 15.00	<b>Plenary 1 – Discovering Urban Sustainability Labs Worldwide</b>	Tulla lecture hall, Room 103
15.15 - 17.30	<b>Parallel Workshop Session A</b>	Studio a-h Room 013, 026
	01 - Lab in Discussion: Miji Africa Living Lab, Nairobi 02 - Lab in Discussion: District Future – Urban Lab, Karlsruhe 03 - Lab in Discussion: Zone Atelier Environnementale Urbaine (ZAEU), Strasbourg 04 - Lab in Discussion: ACI Medellin Lab, EDU Medellin 05 - Accelerating Climate-neutrality through Co-creational Pilot Projects 06 - Governance in and for the Anthropocene 07 - Decarbonising and Smart Cities Integration 08 - Resilient Regenerative Urban Economies 09 - Connecting People 10 - Co-Creation and Co-Strategy for Innovative Mobility Solutions 12 - Social Aspects of Sustainability 13 - Healthy Cities, Urban Health and One Health	
17.30 - 18.30	<b>Coffee &amp; Contacts</b>	Tulla exhibition hall, Room 003
18.30 - 19.30	<b>Keynote in Dialogue: Challenges of Urban Futures</b>	Tulla lecture hall, Room 103
19.30 - 22.00	<b>Get together</b>	Tulla exhibition hall, Room 003

Thursday, October 16th, 2025

9.00 - 9.15	<b>Welcome and Introduction</b>	Tulla lecture hall, Room 103
9.15 - 10.30	<b>Plenary 2 – Discovering Urban Sustainability Labs Worldwide</b>	Tulla lecture hall, Room 103
10.45 - 13.00	<b>Parallel Workshop Session B</b>	Studio a-h Room 013, 026
	01 - Lab in Discussion: Green City of the Future, Munich 02 - Lab in Discussion: Interdisciplinary Centre for Transformative Urban Regeneration (IZS), Görlitz 03 - Lab in Discussion: Community Schloss Tempelhof, Kreßberg 04 - Lab in Discussion: CLIMAS, Vilnius 05 - Lab in Discussion: National Laboratory of Sustainability Sciences (LANCIS), Mexico City 07 - Neighbourhood Energy Transition 08 - Inclusive Urban Transformation. Creating NEBourhoods together 09 - Inclusive Urban Development 10 - Social Innovation 11 - Experimenting for Sustainability Envisioning Rur:ban Futures 12 - Grassroots Urbanization - for Sustainable Urbanism in Africa 13 - Securing Liveability of Cities and Increasing Disaster Preparedness	
13.00 - 14.00	<b>Get together</b>	Tulla exhibition hall, Room 003
14.00 - 16.00	<b>Young Researchers Forum</b>	Room 013, 026, 202, 214, 221, 231
16.00 - 17.00	<b>Poster Session</b>	Tulla exhibition hall, Room 003
17.00 - 18.00	<b>Get together</b>	Tulla exhibition hall, Room 003
18.00	<b>Departure</b>	Tulla exhibition hall, Room 003
19.00	<b>Panel Discussion</b>	Tollhaus, Alter Schlachthof 35, 76131 Karlsruhe

Friday, October 17th, 2025

9.00 - 9.30	<b>Welcome and Introduction</b>	Tulla lecture hall, Room 103
9.30 - 10.30	<b>Plenary 3 – Discovering Urban Sustainability Labs Worldwide</b>	Tulla lecture hall, Room 103
10.45 - 13.00	<b>Parallel Workshop Session C</b>	Studio a-h Room 013, 026
	01 - Lab in Discussion: Living Lab Herk & Mombeek, Brussels 02 - Lab in Discussion: Urban Manufacturing, Berlin 03 - Lab in Discussion: aspern.mobil LAB, Vienna 04 - Lab in Discussion: City as a Living Laboratory (CALL), New York 05 - 1x1 der Energiewende im Quartier (DE) 06 - New Learning and Action Spaces 07 - Urban Water Bodies An EUCOR –The European Campus Joint Event 09 - Mobility Transformations in Suburban and Rural Areas 10 - Making Cities ready for AI 13 - Social Justice & Access	
13.00 - 13.30	<b>Closing of the Conference</b>	Tulla lecture hall, Room 103
13.30 - 14.00	<b>Farewell</b>	Tulla exhibition hall, Room 003
14.00 - 16.00	<b>Excursion to Selected Areas in Karlsruhe</b>	Meeting point: entrance bldg.11.40
<b>Conference Team</b>		
Prof. Dr. Barbara Engel Selina Hofstetter Prof. Markus Neppl Dr. Oliver Parodi Dr. Claudia Schreider Dr. Peter Zeile		