



PRELIMINARY PROGRAM

MARCH 2025

SMARTCITY

EXPO WORLD CONGRESS

November 4 - 6, 2025



2025 CONGRESS TOPICS AND EVENTS

*ENABLING
TECHNOLOGIES*

LIVING & INCLUSION

*ENERGY & URBAN
ENVIRONMENT*

*GOVERNANCE &
ECONOMY*

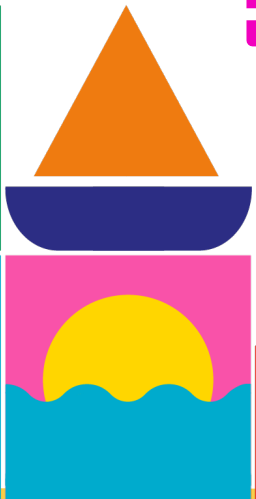
**TOMORROW.
BUILDING**

WORLD CONGRESS

**TOMORROW.
MOBILITY**

WORLD CONGRESS

**TOMORROW.
BLUE ECONOMY**



ENABLING TECHNOLOGY

The Enabling Technologies track tackles the implication of advanced technologies like data-driven predictions, artificial intelligence, or digital modeling in planning and decision-making but also provokes the debate on how we can regulate and secure the information digitalization is managing.

*DATA-DRIVEN
PREDICTIONS*

*AI-ENABLED
CITIES**

*AI
HORIZONS*

SECURITY

*DISRUPTIVE
TECH**

*URBAN DIGITAL
MODELING*



** Indicates the tentative location of Solution Talks*



ENABLING TECHNOLOGY

2025 TOPICS

DATA-DRIVEN PREDICTIONS

(Enabling Technologies + Governance & Economy)

How can cities use data analytics to anticipate future dynamics and ensure long-term resilience? What role does data play in enabling accurate predictions and effective city planning?

Main Keywords:

Data Analytics, Data Management, Digital Identity, Predictive Modelling

AI-ENABLED CITIES*

(Enabling Technologies + Governance & Economy)

How can AI enhance decision-making in smart cities while ensuring ethical and unbiased outcomes? What role do AI technologies play in optimizing public services in the cities of the future?

Main Keywords:

Algorithm Ethics, Sustainable AI, Responsible AI

AI HORIZONS

What are the potential, limitations, and challenges of embedding this disruptive technology in day-to-day city life? What can be expected of the Fourth Industrial Revolution?

Main Keywords:

Algorithms, Generative AI, Smart Devices, LLM, Deep Learning



ENABLING TECHNOLOGY

2025 TOPICS

SECURITY

(Enabling Technologies + Living & Inclusion)

How are the latest technological innovations transforming urban safety and resilience? What strategies could foster cybersecurity innovation while maintaining public trust?

Main Keywords:

Cybersecurity, IT Governance, Security, Regulation, Resilience

URBAN DIGITAL MODELING

(Enabling Technologies + Tomorrow.Building)

How do simulation technologies improve decision-making and urban system efficiency through digital modeling? How can digital twins optimize city infrastructure and services?

Main Keywords:

Augmented Reality, Digital Twins, Simulation, Real-time Monitoring

DISRUPTIVE TECH*

Which emerging disruptive technologies are poised to transform smart cities, and how can urban leaders proactively integrate them? How can the widespread adoption of enhanced connectivity drive innovation in smart cities?

Main Keywords: Connectivity, Blockchain, Quantum Computing, IoT, 5G



LIVING & INCLUSION

What makes a city livable? The objective of the track on Living & Inclusion is to illustrate the essential elements required for citizens to lead fulfilling and dignified lives within urban environments. Ensuring covering all their needs entails providing access to tangible resources and safeguarding their rights, both of which must be equitably upheld across all communities.

*LIVABLE CITIES**

DIGITAL VALUES

CLOSING THE GAP

WELLBEING

** Indicates the tentative location of Solution Talks*



LIVING & INCLUSION

2025 TOPICS

LIVABLE CITIES*

How can cities guarantee the best living conditions for their citizens? In what ways can urban planning strategies promote equitable access to resources public amenities for all citizens?

Main Keywords:

Accessibility, Inclusive Public Spaces, Physical Security, Right to the City, Gentrification

DIGITAL VALUES

(Living & Inclusion + Enabling Technologies)

How does digital transformation will enhance citizen participation while ensuring data transparency and security? How can we guide behavior in the digital world and secure our digital rights?

Main Keywords:

Digital Rights, Digital Trust, Digital Identity, Privacy, Data Protection, Disinformation



LIVING & INCLUSION

2025 TOPICS

CLOSING THE GAP

How can cities create more inclusive environments that support the needs and aspirations of women, immigrants, and other marginalized groups? How can we bridge the digital gap and ensure all equitable access to technology and online resources?

Main Keywords:

Equality, Gender Parity, Digital Divide, Social Inclusion, Minorities, Refugees

WELLBEING

(Living & Inclusion + Governance and Economy)

How do urban policies and practices contribute to caring for citizens and promoting a healthier, more equitable quality of life? In what ways can cities promote well-being as a foundation for thriving communities?

Main Keywords:

Quality of Life, Caring Cities, Health, Aging Populations, Social Services, Economic Vitality, Community Development, Human Rights



ENERGY & URBAN ENVIRONMENT

Energy & Urban Environment sessions examine the impact of climate change on cities, starting from a broad overview of cities as key players in the global landscape, and then zooming in on the latest innovations addressing specific urban challenges.

CLIMATE ACTION

*ADAPTATION AND
RESILIENCE*

*CLEAN ENERGY
REVOLUTION*

*CITY SERVICES
MANAGEMENT*

GREEN CITIES

*ECO-
INNOVATION**



** Indicates the tentative location of Solution Talks*



ENERGY & URBAN ENVIRONMENT

2025 TOPICS

CLIMATE ACTION

(Energy and Urban Environment + Governance and Economy)

Five years remain to achieve the Paris Agreement goals—what progress has been made, and what still needs to be done? Following the global stocktake at COP29, how are cities planning mid- and long-term strategies to advance climate action?

Main Keywords:

Climate Crisis, Climate Finance, Global Governance, Mitigation

ADAPTATION AND RESILIENCE

(Energy and Urban Environment + Enabling Technologies)

What strategies are cities implementing to adapt to climate change? Are cities prioritizing green solutions when mitigating climate change effects or restoring urban environments after a natural catastrophe?

Main Keywords:

Climate Adaptation, Climate Finance, Disaster Risk Management, Emergency Response, Nature-Based Solutions, Urban Resilience

CLEAN ENERGY REVOLUTION

What role do new energy models play in shaping the urban fabric and dynamics of cities as they strive toward decarbonization? What alternative energy sources are real clean solutions for the increasing power demand?

Main Keywords:

Decarbonisation, Energy Transition, Smart Grids, Decentralized Energy, New Energy Models, Energy storage



ENERGY & URBAN ENVIRONMENT

2025 TOPICS

CITY SERVICES MANAGEMENT

What innovative strategies and technologies are being implemented to reduce waste and promote circularity in urban resource management?

Main Keywords:

Water Management, Waste Management, Electricity, Food Systems, Natural Resources, Urban Services, Circularity

GREEN CITIES

(Energy and Urban Environment + Living and Inclusion)

How do green spaces in cities contribute to improving the quality of life, enhance biodiversity, and fostering community engagement and physical well-being?

Main Keywords:

Smart lighting, Environmental Monitoring, Urban Biodiversity, Green Spaces, Sustainable Built Environment

ECO-INNOVATION

(Energy and Urban Environment + Enabling Technologies)

How are cities leveraging green entrepreneurship and sustainable business practices to drive technological innovation in the fight against the climate crisis?

Main Keywords:

Climate Tech, Green entrepreneurship, Sustainable Business, Innovation, Environmental Design, Cleantech



GOVERNANCE & ECONOMY

Local governments are working to be updated with new developments to make their cities smart, sustainable, and inclusive. In the sessions of the Governance & Economy track, we will discover the actions and policies cities are leading to become better environments for their citizens, how collaboration and participation are needed to make things happen and the different financing tools and funding methods available for them to achieve their goals.

GOVTECH

COLLABORATIVE MISSIONS

FINANCE AND
INVESTMENT

SUSTAINABLE ECONOMIC
GROWTH



* Indicates the tentative location of Solution Talks



GOVERNANCE & ECONOMY

2025 TOPICS

GOVTECH

(Governance & Economy + Enabling Technologies)

How are governments up to date with technological innovations to improve public services and government efficiency? Are governments into the digital transformation to make their services more accessible, and user-friendly?

Main Keywords:

Advanced Digital Services, e-Government, Data Governance, Agile Services, APP Solutions, Automation, Digital Participation

COLLABORATIVE MISSIONS

How are the cities raising their voice on the Global atmosphere? In an unstable world, can cities take part in the fight to preserve democratic values?

Main Keywords:

Agile governance, Alliances, Collaborations, City-to-City Cooperation, Public-private Partnership, Democracy, Citizens' Engagement



GOVERNANCE & ECONOMY

2025 TOPICS

FINANCE AND INVESTMENT

How can we finance projects to reach sustainable goals? How important is it to work on cross-sector collaboration to go forward on financing?

Main Keywords:

Climate Finance, Financing Tools, Fintech, Global Funds, Investment Models

SUSTAINABLE ECONOMIC GROWTH

How do the cities envision their economic future? How are governments forecasting their sustainable growth? How are they working on looking for new economic drivers?

Main Keywords:

Talent Attraction, Entrepreneurship, Tourism, Innovation Hubs, Digital economy, Local Economy, Diversification



TOMORROW. BUILDING

The Tomorrow.Building sessions comprehensively explore the facets of city building and urban life. Certain sessions delve into the pivotal role of technology in the design and administration of buildings and infrastructure, while others focus on pioneering advancements in sustainability and construction methods. Additionally, there's a dedicated segment for examining the housing crisis and innovative solutions in the technical and policy realms.

*DESIGN
TECH*

*DIGITAL BUILDING
INNOVATION**

*CITY
INFRASTRUCTURES*

*DECARBONIZED
BUILDING*

*RESILIENT CITY
PLANNING**

*RETROFITTING THE
URBAN FABRIC*

PROPTech

HOUSING



TOMORROW. BUILDING

2025 TOPICS

DESIGN TECH

(Tomorrow.Building + Enabling Technologies)

In what ways is technology driving innovation in urban design practices? How are digital tools shaping the design process for buildings, infrastructures, and cities?

Main Keywords:

AI, Digital Tools, Virtual Reality, Immersive Technologies

DIGITAL BUILDING INNOVATION*

(Tomorrow.Building + Enabling Technologies)

How have digital tools improved construction accuracy and reduced costs? What challenges and best practices shape successful digital transformation in the industry?

Main Keywords:

AI, Building Simulation, BIM, Innovative Construction, Digital Twins

CITY INFRASTRUCTURES

How can innovation in large-scale infrastructures ensure adaptability to evolving urban needs? What cutting-edge technologies and design strategies can enhance the safety, sustainability, and efficiency of major city infrastructures?

Main Keywords:

Resilient Infrastructures, Community Facilities, Hospitals, Urban Innovation

TOMORROW. BUILDING

2025 TOPICS

RESILIENT CITY PLANNING*

How can cities integrate climate adaptation, disaster preparedness, and smart infrastructure for long-term resilience? What role do technology and community engagement play in sustainable urban growth?

Main Keywords:

Adaptive Architecture, Climate Adaptation, Urban Strategies

RETROFITTING THE URBAN FABRIC

What are the key strategies for retrofitting existing buildings and infrastructure for energy efficiency, sustainability, and technological advancement? How can cities preserve cultural heritage within this framework?

Main Keywords:

Energy Efficiency, Renewable Integration, Refurbishing, Heritage, Cultural Patrimony

DECARBONIZED BUILDING

(Tomorrow.Building + Energy and Urban Environment)

How is the building sector aligning its practices with the sustainability initiatives of cities? In what ways can the built environment play a role in mitigating climate change?

Main Keywords:

Energy Efficiency, Green Building, Climate Change Mitigation, Zero Emission Buildings

TOMORROW. BUILDING

2025 TOPICS

HOUSING

(Tomorrow.Building + Living & Inclusion)

How can policymakers, urban planners, and tech innovators collaborate to create scalable, affordable, and sustainable housing solutions for growing cities? What technologies and strategies show the most promise in tackling the housing crisis?

Main Keywords:

Innovative Housing Models, Modular Living, Regulatory Innovation, Public-Private Partnerships, Smart Housing Solutions

PROPTech

(Tomorrow.Building + Enabling Technologies)

How are recent technological advancements transforming the real estate industry, from development to investment and property management? What emerging trends and innovations are redefining property management, utilization, and the future of real estate?

Main Keywords:

Real Estate, Property Management, Facility Management

TOMORROW.MOBILITY

*PUBLIC SPACE USE, ACTIVE
MOBILITY, AND MICROMOBILITY*

*SOLUTIONS FOR
SUSTAINABLE COMMUTING*

*IMPROVING LOGISTICS
SERVICES AT A LOWER CARBON
FOOTPRINT*

*THE ROLE OF SHARED MOBILITY
SERVICES IN MOBILITY SYSTEMS*

*AUTONOMOUS MOBILITY IN
PUBLIC TRANSPORT*

*OPPORTUNITIES AND
CHALLENGES OF MOBILITY
DATA*

*DEPLOYING AUTONOMOUS
DRIVING TECHNOLOGY IN OUR
CITIES*

*PUBLIC SPACE, PARKING, AND THE
MOBILITY OF PROXIMITY*

*SOLUTIONS FOR SAFER MOBILITY
IN CITIES*

*ZERO POLLUTION MOBILITY: IS
ELECTRIFICATION ENOUGH?*

TOMORROW.MOBILITY

2024 PRELIMINARY SESSIONS

PUBLIC SPACE USE, ACTIVE MOBILITY, AND MICROMOBILITY

Main Keywords:

e-Scooter, Micromobility, Shared Mobility, Cycling Lanes, Walkability, Smart Parking, Mobility for all, Gender and mobility

SOLUTIONS FOR SUSTAINABLE COMMUTING

Main Keywords:

Nudging, Railway infrastructure, Transport Hubs, Train stations, Corporate mobility, MaaS, Railway Transport, Bus, Transport Hubs, Multimodality, On-demand Mobility, Transport Networks, transport poverty

IMPROVING LOGISTICS SERVICES AT A LOWER CARBON FOOTPRINT

Main Keywords:

Freight, Sustainable Logistics, delivery fleet management, Consolidation Centres, Drone delivery, ports and waterborne logistics, reverse logistics, bulk and construction delivery

TOMORROW.MOBILITY

2024 PRELIMINARY SESSIONS

THE ROLE OF SHARED MOBILITY SERVICES IN MOBILITY SYSTEMS

Main Keywords:

Shared Mobility, Insurance and liability, Individual Mobility, MaaS, Mobility service providers, Ridesharing, Mass Transit, First/Last Mile, Demand Responsive Transport, Intermodality

AUTONOMOUS MOBILITY IN PUBLIC TRANSPORT

Main Keywords:

Autonomous Vehicles, Connected Vehicles, Intelligent Transport Systems, AI for autonomous mobility, CCAM, Mass Transit, Railway Transport, Bus

OPPORTUNITIES AND CHALLENGES OF MOBILITY DATA

Main Keywords:

Blockchain in Mobility, Mobility Data Spaces, Intelligent Transport Systems, Integrated Payment Systems, Mapping and routing software, AI in mobility, Digital infrastructure for mobility

TOMORROW.MOBILITY

2024 PRELIMINARY SESSIONS

DEPLOYING AUTONOMOUS DRIVING TECHNOLOGY IN OUR CITIES

Main Keywords:

***Autonomous Vehicles, Connected Vehicles,
Intelligent Transport Systems, V2X, AI for
autonomous mobility, CCAM, Public Realm, Smart
Parking, Smart Traffic Management, Placemaking,
Integrated Mobility Plans***

PUBLIC SPACE, PARKING, AND THE MOBILITY OF PROXIMITY

Main Keywords:

***Health benefits of active mobility, Public Realm,
Transport Hubs, Smart Parking, Placemaking,
Integrated Mobility Plans, Mobility hubs, Tourism
mobility***

TOMORROW.MOBILITY

2024 PRELIMINARY SESSIONS

SOLUTIONS FOR SAFER MOBILITY IN CITIES

Main Keywords:

***Autonomous Vehicles, Connected Vehicles,
Intelligent Transport Systems, V2X, AI for
autonomous mobility, CCAM, Public Realm, Smart
Parking, Smart Traffic Management, Placemaking,
Integrated Mobility Plans***

ZERO POLLUTION MOBILITY: IS ELECTRIFICATION ENOUGH?

Main Keywords:

***Batteries, Green Hydrogen, Circular value chain,
Urban Vehicle Access Restrictions, Low Carbon
Mobility, Zero Emissions, Low Emission Zones,
Vehicle-to-grid, Congestion charging, Zero
emission waterborne mobility***

THANK YOU!

A vibrant, abstract collage of geometric shapes and patterns. The composition includes a red heart, a yellow circle, a green house-like shape, a blue and yellow abstract shape, a pink square with a white arch, a green square with a white location pin, a blue and yellow abstract shape, and a pink square with a green leaf. The shapes are arranged in a grid-like fashion, creating a visually appealing and modern design.

EXPO WORLD CONGRESS

OUR TECHNICAL OFFICE:

scewc.technicaloffice@firabarcelona.com

