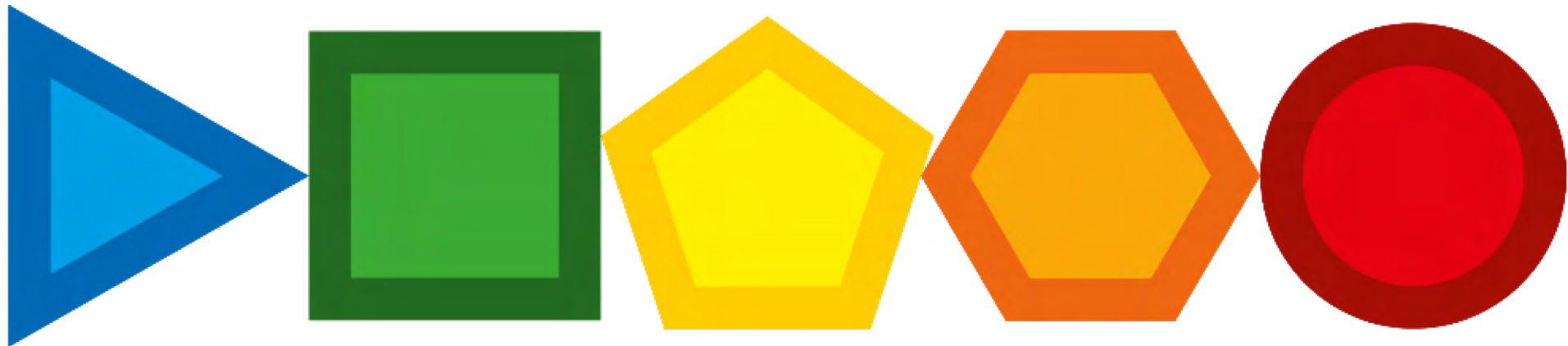# *PRELIMINARY PROGRAM*

Draft version - June 2022

Cities inspired by People

Leonardo Da Vinci was known to go around with his notebooks and write and draw out things as they came to him. For Isaac Newton, an apple fell then things pulled together.

Inspiration seems something that occurs spontaneously and therefore cannot be planned. But still. At Smart City Expo World Congress, we believe that inspiration is an expression of ideas that make the best in us and our environment possible.

As so, inspiration is embodied by creative people and meaningful connections. People are those who can provide cities with a new reference point of what is possible. People are city changers. Cities are transformed through people.

Last year, the Smart City Expo World Congress celebrated its 10th anniversary with a comeback edition that exceeded all expectations. This year all figures are projected to increase over the forecast horizon, similar to pre-pandemic volume.

Environmental footprints are still alarming, the COVID health crisis is lingering and a geostrategic shake of the global stage is challenging what we thought was the progress of the 21st century.

Cities inspired by People

In this scenario, it's more necessary than ever to reflect on how cities can do their part to make the world a better place, to see what measures work well, which don't and how to get new ideas to brace for challenging times.

At **Smart City Expo World Congress 2022**, we want to talk about **Cities Inspired by People**, sustainable cities in which public transport coexists with new mobility options; inclusive cities where streets and public services are accessible for all; safe cities which address both security and privacy concerns; collective cities where collaboration and participation becomes a pivot to build a better, thriving future.

After ten years helping smart cities flourish, we enter a new decade with a global, ever-growing community of urban leaders shaping what's next for cities. **Let's keep spurring the smart urban revolution towards human-centric cities always inspired by people.**

Expected numbers for 2022

25,000
IN-PERSON ATTENDEES [56% INTL.]

+21,000
ONLINE ATTENDEES

+1,000
EXHIBITORS [80% INTL.]

55%
SENIOR MANAGEMENT

146
COUNTRIES

+700
CITIES

+400
SPEAKERS

+570
JOURNALISTS

CONGRESS TOPICS

| ENABLING TECHNOLOGIES | ENERGY & ENVIRONMENT | GOVERNANCE |

| LIVING & INCLUSION | ECONOMY | |

| INFRASTRUCTURE & BUILDINGS | SAFETY & SECURITY |

HIGH-LEVEL ROUNDTABLES

ENABLING TECHNOLOGIES
Connected Cities Make It Further

INFRASTRUCTURE & BUILDINGS
Infrastructure Shaping Cities For The Better

ENERGY & ENVIRONMENT
Cities At The Frontline of Climate Action

SAFETY & SECURITY
Are Smart Cities Putting Safety First?

GOVERNANCE & ECONOMY
Collaborative Governance in the Data-driven Age

ENABLING TECHNOLOGIES + LIVING & INCLUSION
When Technology Becomes a Push for Inclusion

LIVING & INCLUSION
Cities Made for Citizens' Needs

HIGH-LEVEL ROUNDTABLES

Guided conversation among 3-4 speakers aimed at sharing their vision on the topic of the session and prompt debate among them.

Venue: *Main Auditorium (Capacity: 700 attendees)*

Speakers' profile: *leading thinkers, high-level governmental authorities and executives from global companies or international organizations.*

Topic of the session: *Defined by SCEWC/Congress Team. The chair will contact all speakers in advance in order to discuss the type and content of questions to be addressed in the roundtable.*

45min   chair   speaker

1'	Introduction	
4'	First round of visions (1' per speaker)	
NO PPT IS ALLOWED !		(1') (1') (1') (1')
30'	Debate	
8'	Q&A	
2'	Wrap up	

ENABLING TECHNOLOGIES

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

ARTIFICIAL INTELLIGENCE
Algorithm Ethics, Algorithms, Artificial Intelligence, Deep Learning, Smart Devices

Roundtable 1 (tentative title):
Are We Ready to Let AI Manage a City?

CONNECTIVITY
Connectivity, 5G, 6G, Latency, Wifi6, IOT

Roundtable 1 (tentative title):
The Transformative Power of 5G in Cities

DATA
Big Data, Data Analytics, Data Integration, Data Lake, Data Management, Data Storage, Data Infrastructure

Roundtable 1 (tentative titles):
The Emerging Data-driven City

Draft version - May 2022

ENABLING TECHNOLOGIES

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

DIGITAL SERVICES
Simulated Environments, Digital Twins, Metaverse, Virtual Reality, Robotics, Blockchain

Roundtable 1 (tentative title):
Disruptive Tech Unlocking/Empowering Digital Services

CLOUD & PLATFORMS
City Platforms, Cloud Computing, Cloud Storage, Edge Computing, Hybrid Data Storage, IaaS, PaaS

Roundtable 1 (tentative title):
Cloud Platforms Powering Next-gen Smart Cities

INTERNET OF THINGS
IoT, Machine to Machine Communication, Networked Devices, Sensoring

Roundtable 1 (tentative titles):
The Role of IoT in Future-ready Cities

Draft version - May 2022

ENERGY & ENVIRONMENT

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

CLIMATE EMERGENCY

Adaptation, Climate Change, Climate Emergency, Decarbonisation, Energy transition, GHG Emissions, Green Deal, Mitigation, Regenerative by design, Renewables, Urban Resilience, Urban-rural Linkages

Roundtable 1 (tentative title):

Are Climate Agendas Strong Enough?

CLEAN ENERGY

Decentralized Energy, Energy Efficiency, Energy Storage, Energy Transition, Grids, Hydrogen-powered, New Energy Models, Low Emissions Tech, Renewables

Roundtable 1 (tentative title):

An Energy Mix to Bring Us to Net Zero
or
High Ambitions for Lower Emissions

LOW-CARBON TECH & CIRCULARITY

Circularity, Cleantech, Cooling Systems, Cradle-to-cradle, Low Emissions Tech, Rainwater Systems, Recycling, Regenerative by design, Smart Street Lighting, Smart Utilities, Sustainable Garbage Processing, Sustainable Tech, Urban services, Waste management, Water management, Zero Waste

Roundtable 1 (tentative title):
Reaching Circularity in Urban Services

GOVERNANCE

REGULATION & STANDARDS

Open Government, Legislation, Policies, Policy-making, Regulations, Standards, Standardization

Roundtable 1 (tentative title):
Can Standards Scale-up Smart Cities?

COLLABORATION

Alliances, Collaboration, Cross-sector Governance, Multilevel Governance

Roundtable 1 (tentative title):
Going Further Together Through Collaborations

PARTICIPATORY SCHEMES

Best Practices, Co-creation, Citizen Engagement

Roundtable 1 (tentative title):
Designing the City from the Bottom-up

Draft version - May 2022

LIVING & INCLUSION

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

HOUSING AND AFFORDABLE CITIES

Affordability, Cities for All, Co-housing, Gentrification, Housing, Informal Housing, Innovative Housing Models, Right to Housing, Right to the City

Roundtable 1 (tentative title):
No Citizens Without an Affordable Home

POST-PANDEMIC RECOVERY

Diseases, Health, Healthcare, Public Health, Social Inequality

Roundtable 1 (tentative title):
Post-pandemic Cities: Are We More Resilient Than Ever?

Draft version - May 2022

LIVING & INCLUSION

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

REFUGEE CRISES
Climate justice, Migration, Social Inclusion

Roundtable 1 (tentative titles):
Urban Readiness For Refugee Crises

SYSTEMIC INEQUALITIES
Ageing Populations, Cross-district Equity, Digital Divide, Ethnic Inclusion, Gender Equality, Minorities, Physical Inclusion, Racial Justice, Social Inclusion, Social Inequality

Roundtable 1 (tentative title):
Tearing Down the Barriers to Equality

Draft version - May 2022

ECONOMY

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

FINANCING TOOLS

Financing Schemes, Global Funds, Investment Models, Multilateral Institutions, Philanthropies, Regional Investment Banks, Taxes

Roundtable 1 (tentative title):
Urban Innovation: Who Pays the Bill?

ECONOMIC MODELS

Circular Economy, Sharing Economy, Innovation Ecosystems, Economic Models, Talent Attraction, International Projection, Start-ups, Local Economic Development

Roundtable 1 (tentative title):
New Economic Models Driving Growth

FUTURE OF WORK

Future of Education, Future of Work, Future Skills, Talent Attraction

Roundtable 1 (tentative title):
The Future of Work Has Already Started

Draft version - May 2022

INFRASTRUCTURE & BUILDINGS

CONSTRUCTION TECHNOLOGIES

AI, Augmented Reality, Big data, BIM, Building Automation, Cloud, Design Services, Digital Tools, Digital Twins, Drones, Innovative Building Technology. IoT, Machine Learning, Modular Construction, Robotics, Smart Buildings, Smart Infrastructures, Street Furniture, Virtual Reality, 3D Modelling, 3D Printing

Roundtable 1 (tentative title):
Technology Paving Tomorrow's Towns

DECARBONISATION

Carbon Reduction, Decarbonisation, Electrification, Energy Efficiency, Green Building, Nearly Zero-Energy Buildings (NZEB), Parks, Public Space, Smart Buildings, Smart Infrastructures, Urban Planning, Zero Emission Buildings

Roundtable 1 (tentative title):
Hitting Green Goals Through Zero-emission Buildings

BUILDINGS & INFRASTRUCTURE MANAGEMENT

Asset Management, BIM, Building Automation, Built Environment, Community Facilities, Co-housing, Co-working, Digital Tools, Digital Twins, Intelligent Security Systems, Facility Management, Property Management, Real Estate, Refurbishing, Retrofitting, Smart Buildings, Smart Infrastructures, Urban Facility Management, Urban Management, Urban Planning, Workplace Management

Roundtable 1 (tentative title):
Effectively Delivering Well-Managed Infrastructure

Draft version - May 2022

SAFETY & SECURITY

PRELIMINARY PROGRAM – TOPICS AND TENTATIVE SESSIONS TITTLES

CYBERSECURITY
Data Protection, Data Security, Digital Rights, Fraud detection, Phishing, Safety Engineering

Roundtable 1 (tentative title):
Privacy in the Digital Age
Roundtable 2 (tentative title):
Are Our Cities Prepared to Face Cyberattacks?

RESILIENCE & RISKS
Disaster Risk Management, Emergency Response, Crisis Management, Critical Infrastructures, Resilience

Roundtable 1 (tentative title):
Staying Resilient Ahead of Risks
Roundtable 2 (tentative title):
Smart Emergency Response: The Self-Defending City

SAFE PUBLIC SPACE
Critical infrastructures, Surveillance, Urban Safety, Public Safety, Physical Security, City Sovereignty

Roundtable 1 (tentative title):
Smart Solutions for Safer Public Spaces

Draft version - May 2022

CONGRESS SESSIONS

This year's Congress will gather the content in different 90-minutes capsules of dedicated sessions highlighting critical smart city issues and focusing the debate on thematic blocks.

With its combination of formats, these sessions will allow participants to dive deep into a specific hot topic shaping the present and future of smart cities. Every content capsules will hold the following diversity of sessions:

- Keynote

- Roundtable

- In Focus / Solution Talks

- Burning Debate / Dialogue

THEMATIC ROUNDTABLES

Guided conversation among 3-4 speakers aimed at sharing their vision on the topic of the session and prompt debate among them.

Venue: Thematic room

Speakers' profile: experts, governmental representatives (mayors, C-levels from municipalities), C-levels from companies

Topic of the session: Defined by SCEWC/Congress Team. The chair will contact all speakers in advance in order to discuss the type and content of questions to be addressed in the debate.
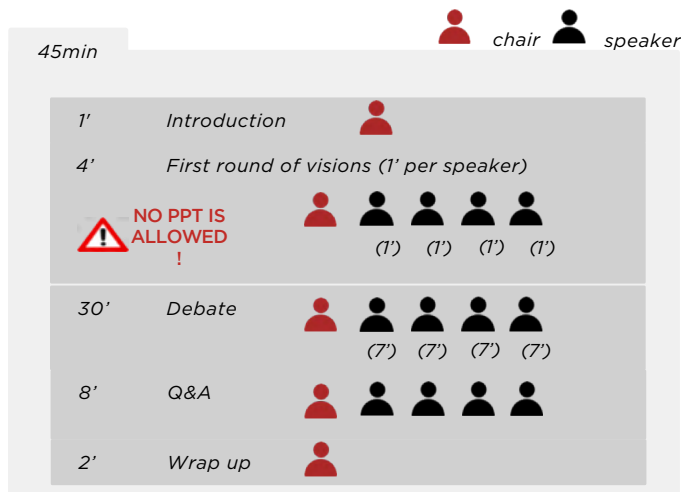
chair   speaker

45min

1'	Introduction	
4'	First round of visions (1' per speaker)	
NO PPT IS ALLOWED !		(1') (1') (1') (1')
30'	Debate	(7') (7') (7') (7')
8'	Q&A	
2'	Wrap up	

IN FOCUS (PRESENTATIONS)

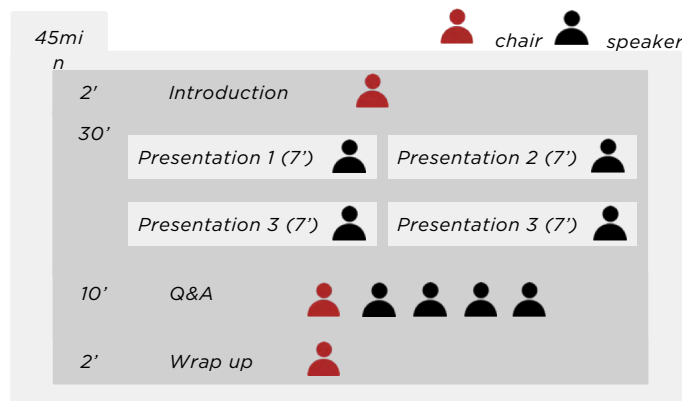*Session aimed at presenting and discussing the latest developments on the future of our cities based on real experiences, projects and practices. PPT is allowed.*

Venue: *Thematic rooms*

Topic: *Sessions' titles and content defined by the SCEWC organizers. Presentation title and content defined by the partner and shared in advance with the organizers.*

THEMATIC KEYNOTE

15min — chair — speaker

Time	Segment	
1'	Introduction	
10'	Keynote speech	
4'	Q&A with audience	
	Wrap up	

A 15' engaging and inspirational speech by a thought leader covering a specific topic in depth.

Venue: Thematic rooms

Topic: Theme of the keynote speech defined by the industry partner and shared in advance with the organizers.

BURNING DEBATE / DIALOGUE

15min — chair — speaker

3'	Introduction
15'	Debate > contrasting views
2'	Wrap up

Venue: *Thematic rooms*

Topic: *Sessions' titles and content defined by the SCEWC organizers. Presentation title and content defined by the partner and shared in advance with the organizers.*

Session aimed at presenting and discussing the latest developments on the future of our cities based on real experiences, projects and practices. <u>*PPT is allowed.*</u>

2022 SCHEDULE SAMPLE

SMARTCITY EXPO WORLD CONGRESS

Time	AUDITORIUM	ENABLING TECHNOLOGIES	ENERGY & ENVIRONMENT INFRASTRUCTURE & BUILDINGS	GOVERNANCE ECONOMY	LIVING & INCLUSION SAFETY & SECURITY
09:30					
10:30	KEYNOTE / ROUNDTABLE				
11:30		KEYNOTE / BURNING DEBATE	IN FOCUS	KEYNOTE / BURNING DEBATE	SOLUTIONS TALKS
12:30		ROUNDTABLE	SOLUTIONS TALKS	IN FOCUS	ROUNDTABLE
13:30					
14:30	KEYNOTE				
15:30		IN FOCUS	BURDNING DEBATE / KEYNOTE	ROUNDTABLE	IN FOCUS / KEYNOTE
16:30		ROUNDTABLE	ROUNDTABLE	SOLUTIONS TALKS	KEYNOTE
17:30	KEYNOTE / ROUNDTABLE				
18:30					

*The sessions in this schedule will not be necessarily in this order.

Legend:
- Enabling technologies sessions
- Energy & Environment sessions
- Infrastructure & Buildings sessions
- Living & Inclusion sessions
- Economy sessions
- Safety & Security sessions
- Governance sessions

MOBILITY

MICRO MOBILITY

Active Mobility, Business Models, Cycling Lanes, Urban Vehicle Access Restrictions, Shared Mobility, Insurance and liability, Individual Mobility, MaaS, Walkability, cycling, lightweight vehicles, e-Scooter, Non-motorized Mobility, recharging station, mobility service providers, Insurance and liability, ridesharing.

PUBLIC TRANSPORT

First/Last Mile, business models, Blockchain in Mobility, Urban Vehicle Access Restrictions, Hydrogen Mobility, Railway Transport, shared mobility, Bus, E-mobility, Transport Hubs, Multimodality, On-demand Mobility, Transport Networks, Mass Transit, Demand Responsive Transport, Intermodality, MaaS.

AUTOMOTIVE

Autonomous Vehicles, Business Models, ridesharing, ride-hailing, carpooling, Connected Vehicles, Drones, Batteries, vehicle-to-grid, E-mobility, Hydrogen Mobility, Shared Mobility, Insurance and liability, Intelligent Transport Systems, Aerospace, VTOL, V2X.

LAST MILE LOGISTICS

Business Models, Connected Vehicles, Autonomous Vehicles, E-mobility, Blockchain in Mobility, Freight, Hydrogen Mobility, Intelligent Transport Systems, Sustainable
Logistics, fleet management, waterborne.

MOBILITY

FUTURE AND DIGITAL TRANSPORTATION

Air Mobility, Business Models, Drones, Blockchain in Mobility, Future Mobility, Urban Vehicle Access Restrictions, Mobility Planning, Shared Mobility, Intelligent Transport Systems, Multimodality, On-demand Mobility, MaaS, Payment Systems, VTOL, Intermodality, corporate mobility.

TRANSPORT INFRASTRUCTURE

Air Mobility, Business Models, Blockchain in Mobility, Drones, Fossil Fuel-free Streets, Public Realm, Future Mobility, Urban Vehicle Access Restrictions, Hydrogen Mobility, recharging stations, Railway Transport, Transport Hubs, Intelligent Transport Systems, MaaS, Smart Parking, Smart Traffic Management, Aerospace, VTOL, Ports and waterborne, Mapping, Roads, Smart Airports

ENERGY TRANSITION & EFFICIENCY

Business Models, Future Mobility, Urban Vehicle Access Restrictions, Integrated Mobility Plans, Shared Mobility, Low Carbon Mobility, Zero Emissions, Low Emission Zones, congestion charging.