

Smart City Expo DOHA

29th & 30th March - 2022

SUSTAINING A FUTURE OF RESILIENCE

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SMARTCITY
EXPO DOHA

SMARTCITY
EXPO WORLD CONGRESS


Fira Barcelona
INTERNATIONAL

SMART CITY EXPO DOHA 2022

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1. TRACKS & TOPICS

1. SUSTAINABLE CITIES

Sustainable Mobility, Connected Mobility, Resilient Cities, Green Buildings, Green Areas, Energy Efficiency, Smart Energy, Smart Services and Infrastructures, Intelligent Transportation, Resource Management, Urban Infrastructures, Public Utilities, Climate Change, Sustainable Architecture, Renewable Resources, Autonomous Mobility, Mass Public Transport, Transit-Oriented Development

2. RESHAPING DIGITAL PUBLIC SERVICES

E-Services, Services, Digital Identity, Open Data, Digital Inclusion, Digital Public Governance, Digital Health, Personalized Services, Lifestyle Solutions, Smart Mobility, Robotics, Govtech, Fintech, Blockchain, 5G connectivity, Internet of Things, Virtual Reality, Digital Twins, Digital Health.

3. CITY AS A PLATFORM

Digital Twins, Artificial Intelligence, Big Data, Blockchain, Cybersecurity, Urban Data, Data Analytics, Data-Driven Decisions, Urban Platforms, Smart Technologies, Smart Management, Cloud Computing, Data-Driven Innovation, Public Service Delivery, Start-up Solutions, E-Government, Data Visualization, Real-Time cities

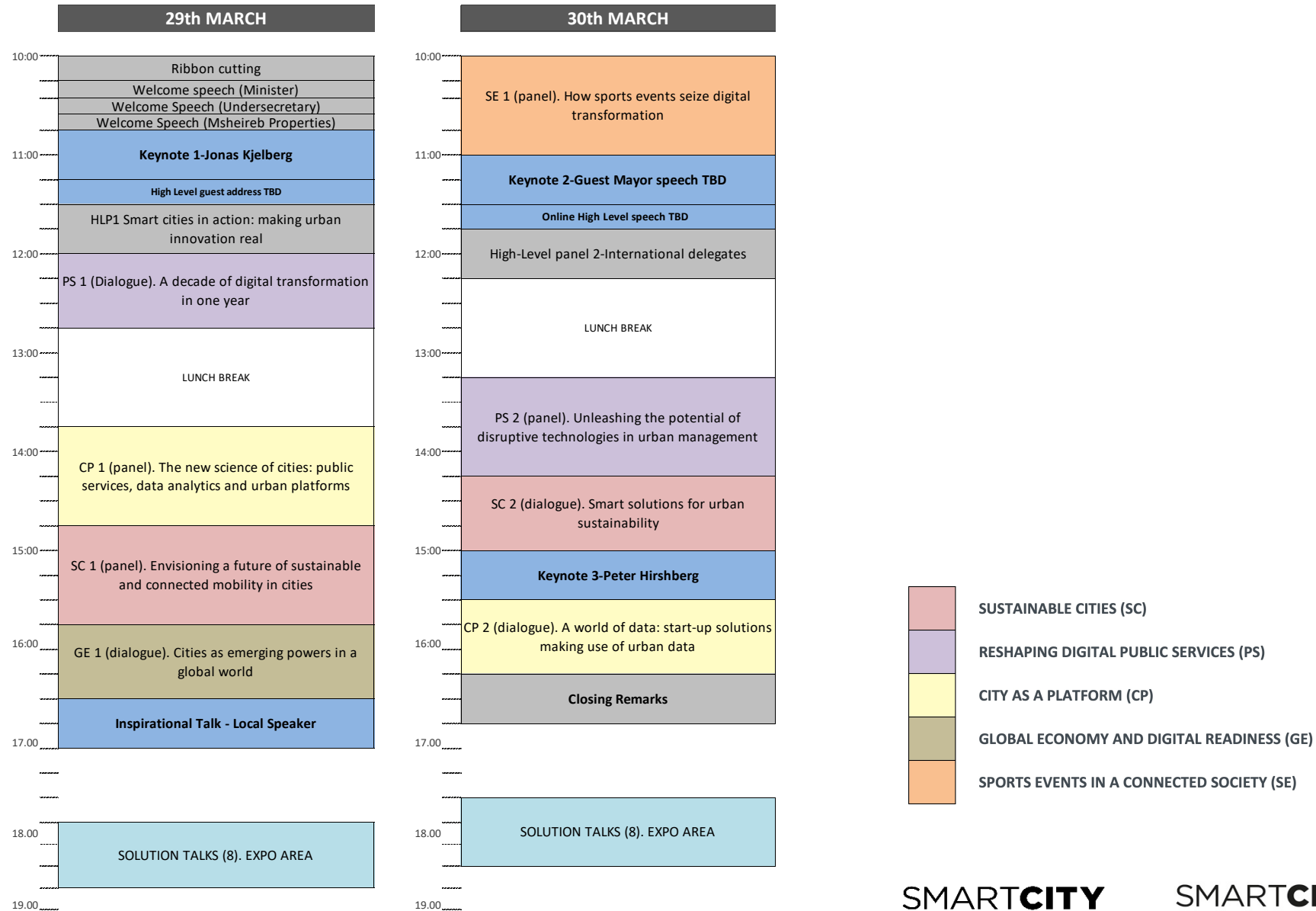
4. GLOBAL ECONOMY AND DIGITAL READINESS

Global Urbanization, Smart Ports, Supply Chain Monitoring, Automated Logistics, Last-Mile Delivery, Robotics in Fabrication, Digital Industry, Start-Ups and Incubators, Digital Business Models, Connectivity Infrastructures, Data-Driven Innovation, Cybersecurity, Manufacturing 4.0, Smart Destinations, Entrepreneurship

5. SPORTS EVENTS IN A CONNECTED SOCIETY

Mega Events, Infrastructures, Digital Experiences, Smart Stadiums, Active Living, Sports Events, Digital Transformation, E-sports, Healthy living, Connected Fans

2. PRELIMINARY PROGRAM STRUCTURE



NOTE: Please, note that this is a preliminary program, so it may be subject to changes

3. AGENDA

PLENARY SESSIONS:

1. SUSTAINABLE CITIES

- PANEL: Envisioning a future of sustainable and connected mobility in cities
- DIALOGUE: Smart solutions for urban sustainability

2. RESHAPING DIGITAL PUBLIC SERVICES

- DIALOGUE: A decade of digital transformation in one year
- PANEL: Unleashing the potential of disruptive technologies in urban management

3. CITY AS A PLATFORM

- PANEL: The new science of cities: public services, data analytics and urban platforms
- DIALOGUE: A world of data: start-up solutions making use of urban data

4. GLOBAL ECONOMY AND DIGITAL READINESS

- DIALOGUE: Cities as emerging powers in a global world

5. SPORTS EVENTS IN A CONNECTED SOCIETY

- PANEL: How sports events seize digital transformation

4. PLENARY SESSIONS' TITLES AND BRIEFS

1. SUSTAINABLE CITIES

SC 1. Envisioning a future of sustainable and connected mobility in cities (PANEL)

Liveability and quality of life in cities is increasingly linked to urban mobility. Expanding cities have to cope with the need of integrating urban growth with infrastructures and services capable of providing the population with suitable options for moving around in the city. Imagining a sustainable urban future requires connecting the dots of tech innovations around transportation, high standards of green urbanism and the social needs and expectations of inhabitants. This session aims to offer an overview of different technologies that are advancing the future of urban mobility. As well as what are the barriers to achieving a new balance in transportation modes in cities, enabling more sustainable and accessible mobility systems.

SC 2. Smart solutions for urban sustainability (DIALOGUE)

Our understanding of urban environments as complex systems from an ecological point of view is making our cities more aware of the implications of production and consumptions models. Local commitments to tackle environmental impacts are crucial to build robust frameworks of global action, and cities are becoming leaders in testing, advancing and demonstrating available technologies and solutions are ready to make a difference. Sectors such as energy, water or transportation in cities have a huge impact in our global footprint, and smart technologies are accelerating the adoption of more efficient and sustainable solutions. The session is intended at showcasing a number of projects and initiatives making the best of digital technologies to transition to a greener built environment.

4. PLENARY SESSIONS' TITLES AND BRIEFS

2. RESHAPING DIGITAL PUBLIC SERVICES

PS1. A decade of digital transformation in one year (DIALOGUE)

Digital transformation accelerated its pathway in 2020. Online learning, teleworking, track and trace apps, digital monitoring, online delivery, etc., went from “early-to-come” to crucial needs in a matter of weeks as the pandemic reached the whole world. Today, the evolution of leading-edge technologies opens up a wide range of possibilities in urban management. From mobile apps to big data analytics, from robotics to artificial intelligence, several solutions have been put into practice to speed up new sets of tools for cities, daily life, workplaces,... This acceleration has fostered digital adoption and transformation, speeding-up a process we still need to make sense of it to understand how to make it serve for people. The session is aimed at exploring different solutions put in place and see how these technologies be leveraged to improve our urban environments.

PS2. Unleashing the potential of disruptive technologies in urban management (PANEL)

Different enabling technologies such as artificial intelligence, blockchain, cloud computing or Internet of Things depict a huge transformation of urban management in the coming years and decades. These trends point out potential gains in terms of robustness, security, flexibility, adaptability and reliability of public infrastructures running in cities and services delivered to urban dwellers. Unleashing this potential is not only a matter of technological availability and readiness, but also a mix of factors related to project financing and management, public procurement procedures, public-private collaborations and partnerships, etc. This session will explore this landscape of hurdles and barriers and how to overcome them to turn promises of disruption into reality.

4. PLENARY SESSIONS' TITLES AND BRIEFS

3. CITY AS A PLATFORM

CP 1. The new science of cities: public services, data analytics and urban platforms (PANEL)

Recent progress in our understanding of urban complexity and computing tools are assembling the current paradigm of the science of cities. Digital and smart technologies means are driving the paradigm of cities as platforms, where the interconnection of all digital functionalities enables new ways of making the best of data gathering for public decision making. Data analytics play a crucial role in this aspiration of making sense of what happens (and it is captured as data) in a city. Also, in its departments and services, as it can lead to a better interpretation of how to improve public service delivery and urban governance. This session wants to explore different approaches to urban analysis and big data management that cities are using to improve their performance.

CP 2. A world of data: start-up solutions making use of urban data (DIALOGUE)

Urban data exponential growth, no matter how it is produced (automated or volunteered data by sensors, actuators, devices, etc.), represents an enormous potential in understanding how cities work. The current capacity of gathering, processing and analysing urban data produced and captured represent an opportunity to find hidden patterns, new correlations, new fields of public action, etc. Public and private actors, individuals, start-ups and organizations are seizing this opportunity by finding value in datasets (from ATM transactions to property registers, from census to CCTV cameras, from smart meters to traffic sensors, from mobile geo-localization to citizen science data, etc.). The session will illustrate how this urban data integration projects and platforms are being deployed and used in a number of cities, thanks to the work of entrepreneurs and start-ups reusing urban data to offer new solutions for inhabitants and public authorities.

4. PLENARY SESSIONS' TITLES AND BRIEFS

4. GLOBAL ECONOMY AND DIGITAL READINESS

GE 1. Cities as emerging powers in a global world (DIALOGUE)

Global urbanization represents a consistent trend in every single forecast and outlook of what will define our era. This urban world is not only about a demographic shift, but particularly a new drift in economic concentration around urban and metropolitan areas. Cities are becoming key players in global policies (migrations, climate change, etc.) and drivers of technological and economic development; thus, they are gaining new roles at national and international levels. This session is aimed at gathering representatives of global cities to share their views on how they are reshaping their strategies and policies related to urban diplomacy, soft power, alignment to global goals, etc.

6. SPORTS EVENTS IN A CONNECTED SOCIETY

SE 1. How sports events seize digital transformation (PANEL)

Global and large sporting events have become important players in urban and social transformations. They represent game-changers for tourism attraction, generation of economic activity, gathering of audiences, boosting of new healthier lifestyles or development of urban areas. Unleashing their potential implies considering technology as a driver of a new understanding on how to involve fans, augment the experience of visitors and athletes, create new sorts of broadcasting, generate new data platforms or digitally-transform sports facilities. Organising this kind of events is increasingly embracing different technological adoptions to upgrade their impacts and outcomes and the session is designed at understanding the potential of such initiatives.

5. PLENARY SESSIONS' FORMAT

DIALOGUE

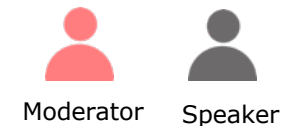
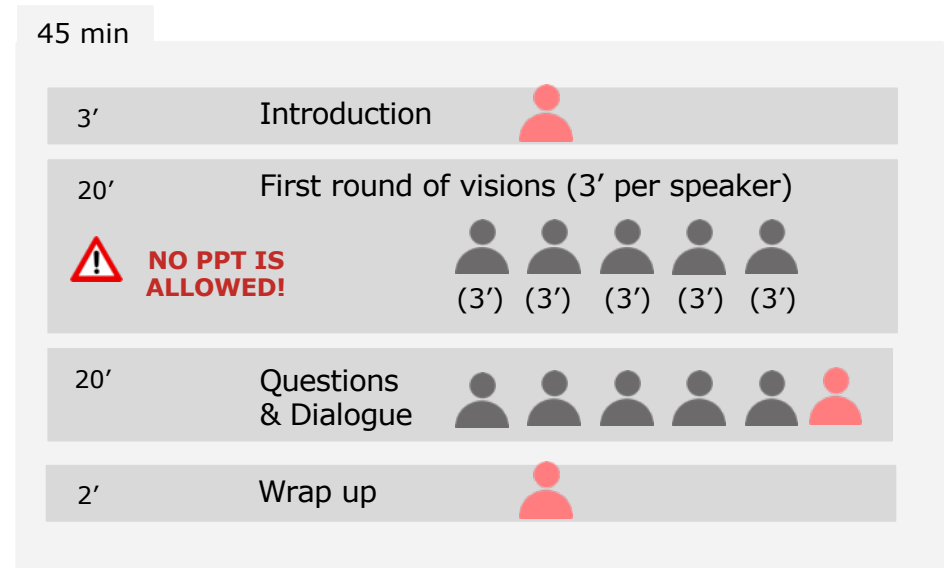
What is a Dialogue?

The focus of the Dialogue session is to share the visions of the speakers on the topic of the session and prompt a high-level debate amongst leaders and urban decision makers.

The Congress aims to bring useful and up-to-date knowledge about urban development based on real experiences and practices, as well as to debate about future visions, goals and challenges to develop more sustainable and inclusive cities. As such, the dialogue session is aimed at enlarging the debate with concrete experiences in the local context, create a more interactive atmosphere, launch provocative ideas so the audience can also have their say from the floor, etc.

- **Duration:** 45 minutes
- **Participants:** 5 speakers + 1 moderator
- **Format:** First Round of Presentation (3' per speaker) + Questions & Dialogue lead by the moderator (20')

Please note that no presentations shall be used.



5. PLENARY SESSIONS' FORMAT

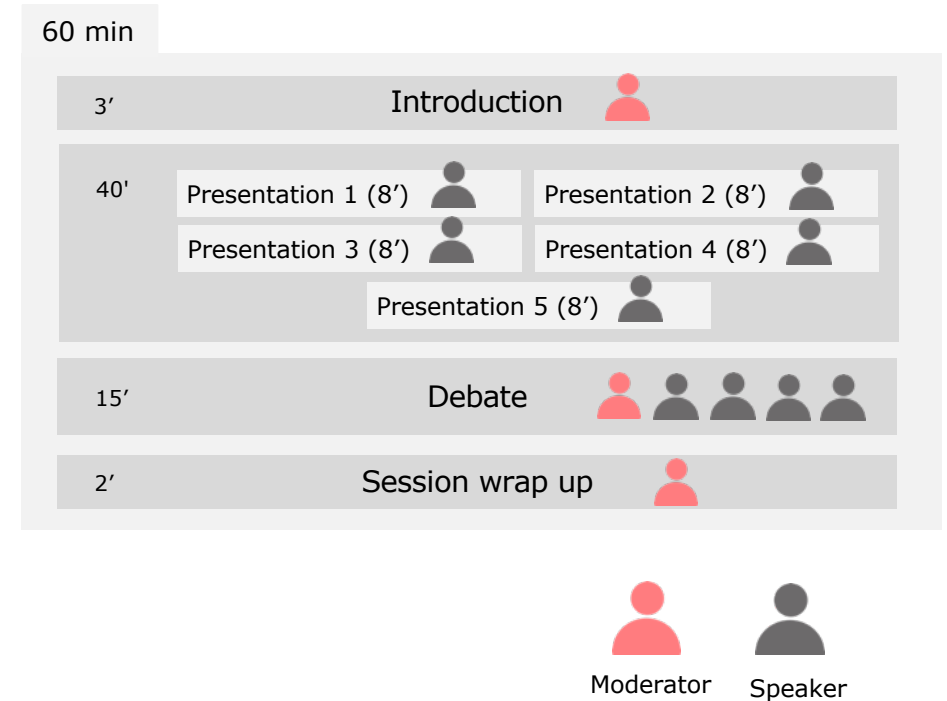
PANEL

What is a Panel?

The focus of the Panel session is to share the visions of the speakers on the topic of the session and prompt a first-class debate amongst governmental representatives, leading thinkers and executives.

- **Duration:** 60 minutes
- **Participants:** 5 speakers + 1 moderator
- **Format:** Presentations (8' per speaker) + Debate lead by the moderator (15')

**Presentation time may vary depending on the number of speakers. It is of utmost importance to stick to the established times.*



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