

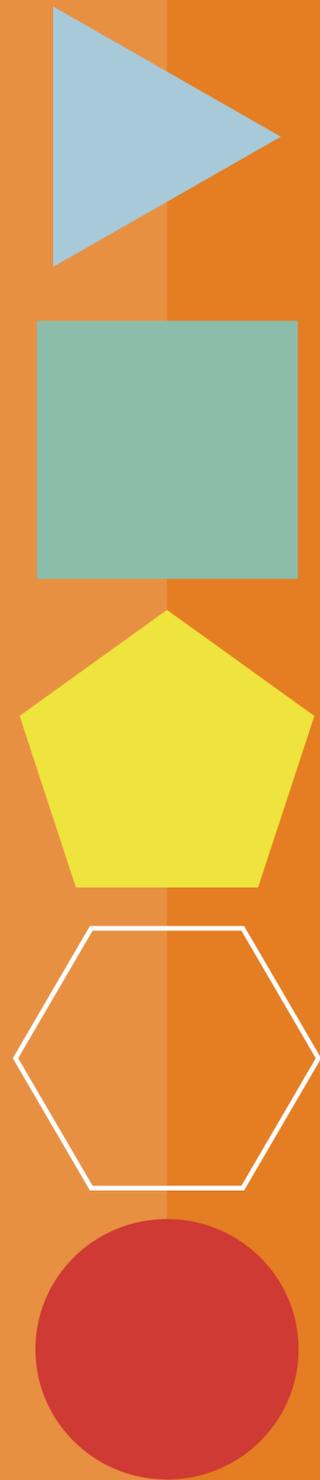
**SMARTCITY**  
EXPO WORLD CONGRESS

# REPORT 2021

16 - 18 November

**TOMORROW.**  
**MOBILITY**  
WORLD CONGRESS

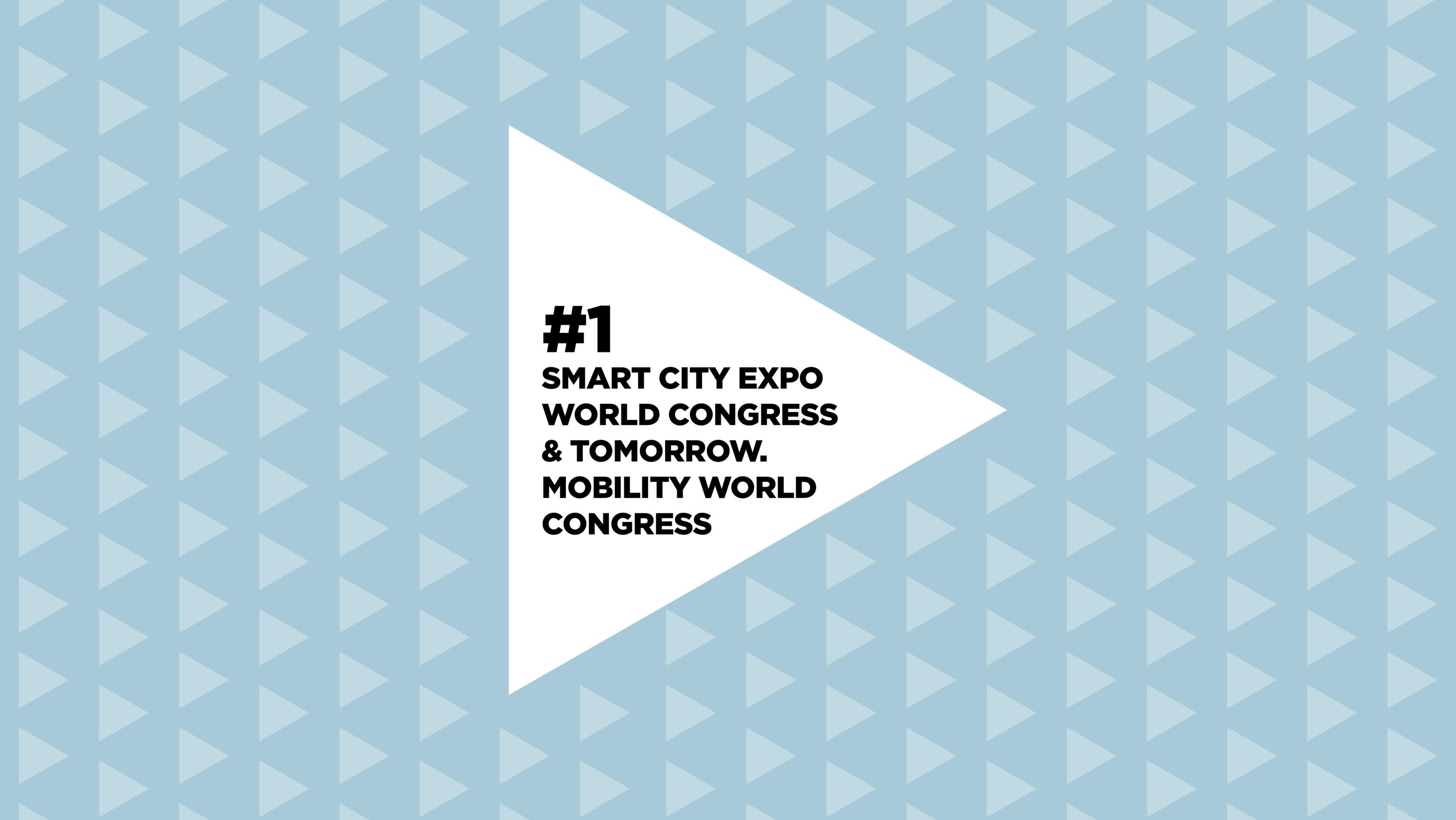




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**#1**  
**SMART CITY EXPO**  
**WORLD CONGRESS**  
**& TOMORROW.**  
**MOBILITY WORLD**  
**CONGRESS**

# 10 YEARS MOVING CITIES TOWARDS A BETTER FUTURE

There were still masks and distancing and – of course – vaccines and all the required sanitary precautions. But the Smart City Expo World Congress 2021 looked like the Smart City Expo World Congress again. After nearly two years of restrictions due to the pandemic, the event returned to Fira - Gran Via to **celebrate its 10th anniversary** and remind us that the ideas that come from meeting face-to-face, sharing a coffee and collaboratively creating are irreplaceable.

**14,934 attendees** from **120 countries**, **452 exhibitors** and **250 speakers** bore witness to this fact and contributed to making post-pandemic cities more resilient and inclusive, thus forging a better future for all.

Attendees networked in a carefully designed space combining three different areas: **the Congress, the Expo, and Side Events & Activities**. The first was a space for reflection. The other two displayed smart solutions and an Innovation Zone, while also accommodating a Central Agora to listen to selected speakers and discuss issues connected with a market that is expected to reach [USD 434,320 million by 2025](#).

The Congress highlighted the idea that given the current climate emergency, and with 55% of the population living in urban areas, **cities need to lead the way in encouraging a net zero future**. Global speakers like María Fernanda Espinosa, Former President of the UN General Assembly, Ed Gillespie, Futurist and Author of Only Planet, and Jeff Merritt, Head of Urban Transformation at the World Economic Forum, insisted on this point.

Those who couldn't make it to Barcelona were able to join the **digital program broadcast by Tomorrow.City**, which was specially conceived to broaden the discussion by means of additional debates and interviews. A total of **21,210 online attendees** made it clear that hybrid events are here to stay.

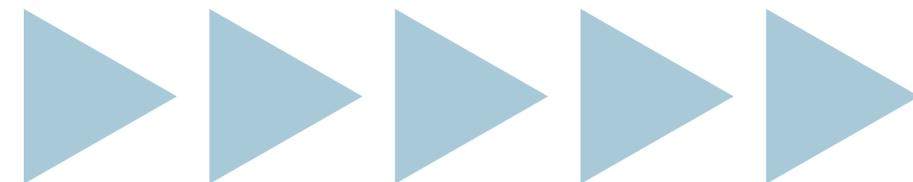
Alongside the presentations in the Expo area, **81 Side Events & Activities** complemented the Smart City Expo World Congress offerings by focusing on revitalizing cities.

This year's event served also as the premiere of the **Tomorrow.Mobility World Congress (TMWC)** and **Puzzle X**. Co-organized by Fira de Barcelona and EIT Urban Mobility, TMWC combines a flagship event with a year-round digital content platform dedicated to sustainable mobility growth. Puzzle X, on the other hand, is the first forum convened to bridge the world of Frontier Materials and the UN Sustainable Development Goals. They both exceeded their initial expectations and will be back in 2022.

Additionally, the World Smart City Awards made a noteworthy return to the onsite event to recognize **Buenos Aires** for its focus on inclusivity and sustainability and to award the outstanding leadership of professionals like **Benedetta Tagliabue**, architect and director of the international architecture firm Miralles Tagliabue EMBT, and **Carlos Moreno**, Associate Professor & Scientific Director at Paris 1 Sorbonne University.

In the end, the 2021 edition of the Smart City Expo World Congress was a major comeback where attendees could continue thinking about new urban models for a climate-proof and sustainable future. This mindset is central to how citizens think today; after all, **We Are the Cities We Make**.

The event is already hard at work on next year's show, which will take place November 15-17, 2022.



# A MAJOR COMEBACK #SCEWC21 IN NUMBERS



▶▶▶▶▶ **14,934**  
IN-PERSON ATTENDEES

▶▶▶▶▶ **21,210**  
ONLINE ATTENDEES

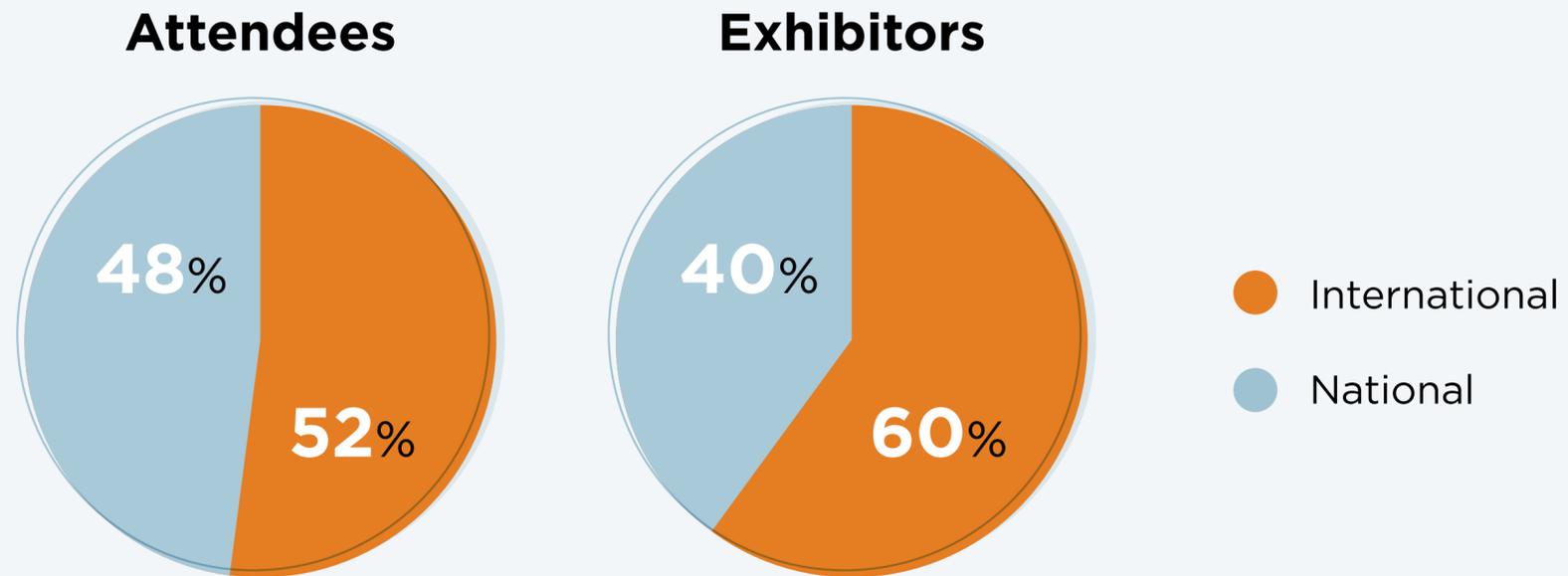
▶▶▶▶▶ **452**  
EXHIBITORS

▶▶▶▶▶ **250**  
SPEAKERS

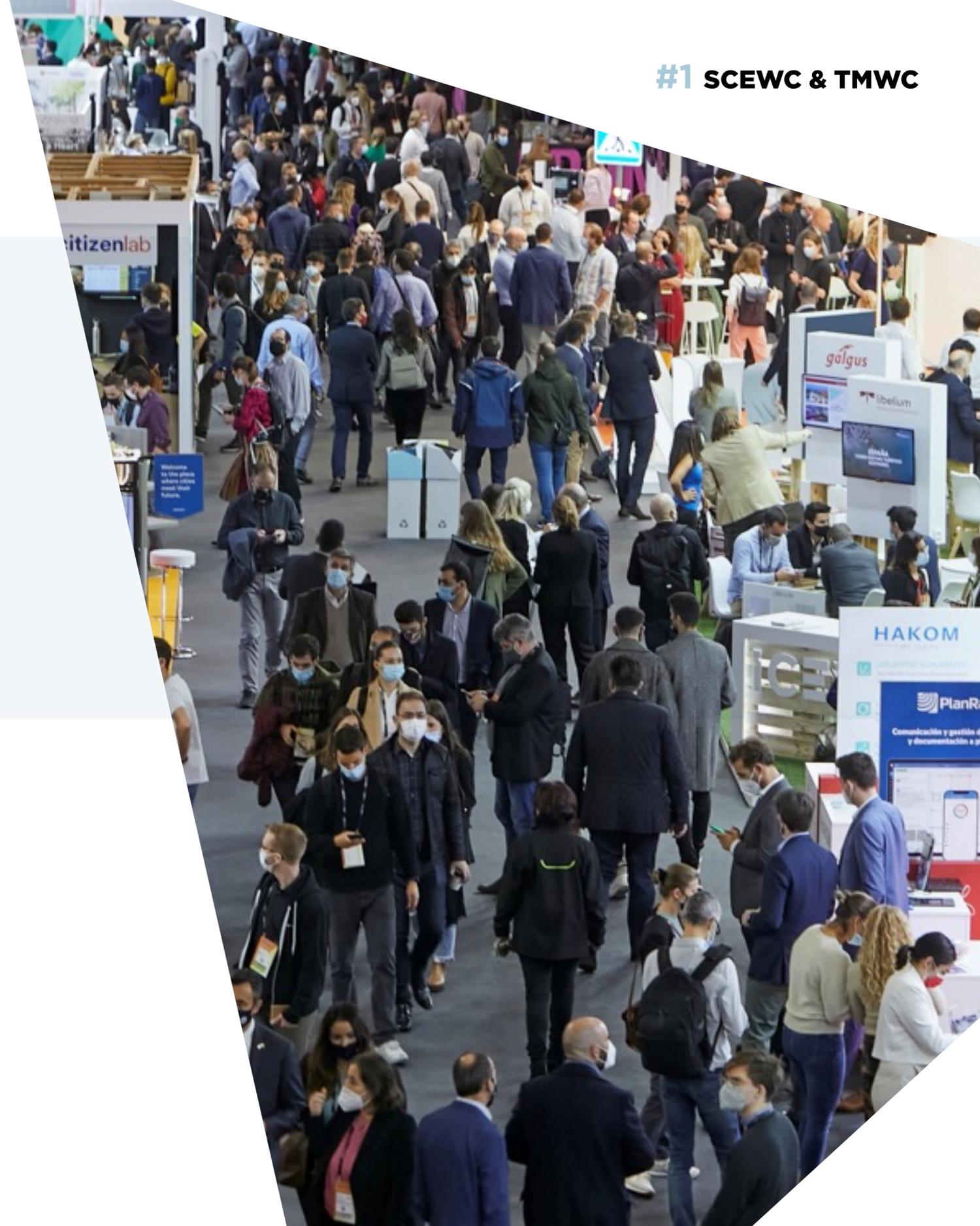
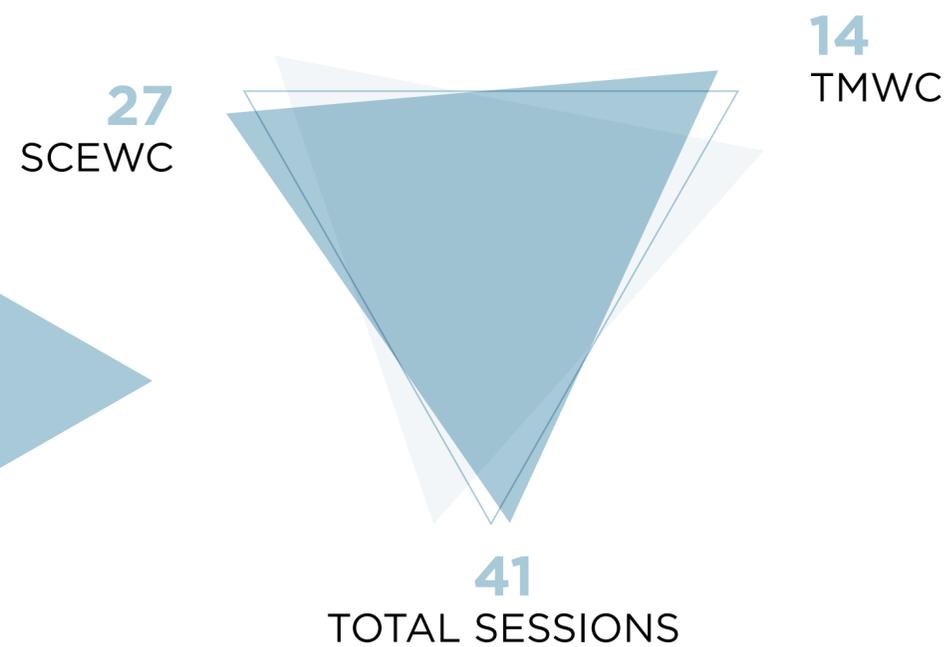
▶▶▶▶▶ **120**  
COUNTRIES

▶▶▶▶▶ **81**  
SIDE EVENTS

## Attendees and Exhibitors from Abroad



## Onsite Sessions

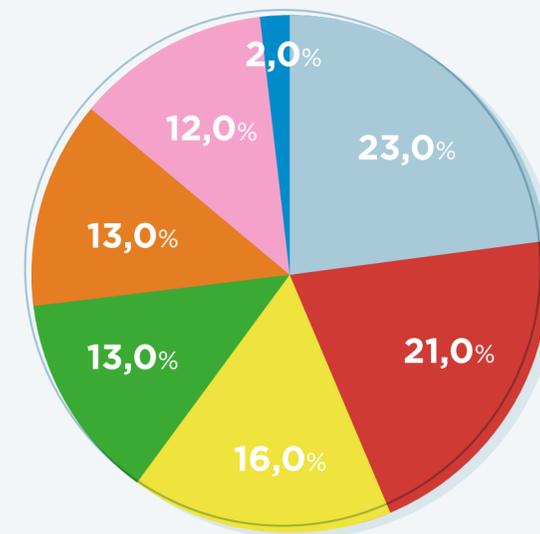


# A Global Community of Urban Leaders

## INTERNATIONAL TOP TEN COUNTRIES

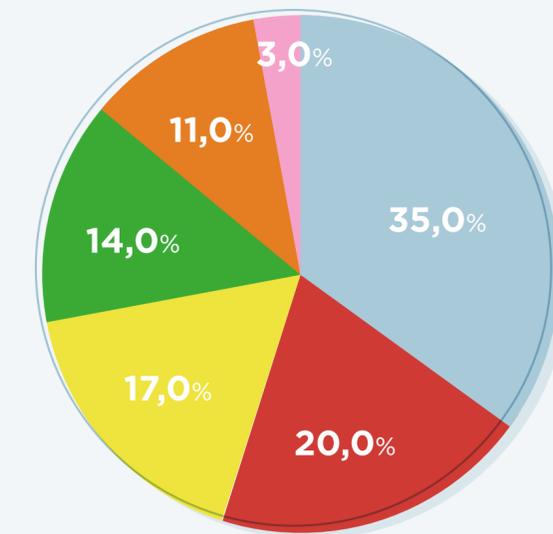
1. Germany
2. France
3. Netherlands
4. Belgium
5. Italy
6. Israel
7. Brazil
8. Portugal
9. United Kingdom
10. United States of America

## ORGANIZATION PROFILE



- Governments
- Large & Global Companies
- Local Companies & SMEs
- Inter-Governmental Organizations, Institutions & Other Entities
- Academia
- Startups
- Media & Culture

## JOB FUNCTION



- High Level Management & Top Public Representative
- Senior Manager
- Technical Profile
- Specialist
- Consultant
- Others

# A Successful Hybrid Event



**22h:09m**  
of content broadcast



**103**  
speakers



**116**  
sessions



**21,210**  
users



**63 min**  
(average duration watched)



**21,210**  
users

**DAY 16** : **39.04%**  
of users

**DAY 17** : **39.44%**  
of users

**DAY 18** : **21.50%**  
of users



**52,938**  
views of over  
10 seconds

**DAY 16** : **35.11%**  
of views

**DAY 17** : **38.35%**  
of views

**DAY 18** : **26.52%**  
of views



**109**  
countries with  
active users

## TOP TEN COUNTRIES

1. Spain
2. United States
3. Qatar
4. Canada
5. United Kingdom
6. Germany
7. Portugal
8. Italy
9. South Korea
10. Japan

## Widespread Media and Social Media Interest



**246**

ACCREDITED JOURNALISTS



**3,930**

MEDIA ITEMS

Economic value: **€10M**



**33**

MEDIA PARTNERS



**Twitter**

**889,031**

SCEWC+TMWC+TC\*



**Facebook**

**296,816**

SCEWC+TC



**LinkedIn**

**179,520**

SCEWC+TMWC+TC



**Instagram**

**41,048**

SCEWC

**1,406,415**

**Total number of impacts**

\* Smart City Expo World Congress (SCEWC), Tomorrow.Mobility World Congress (TMWC) & Tomorrow.City (TC).

**#2**

**BARCELONA: DIGITAL  
INNOVATION TO BUILD  
THE FUTURE**

# DIGITAL INNOVATION TO BUILD THE FUTURE

2021 has emphasized like never before that the planet needs radical changes to accomplish an environmentally and socially-just transition in line with the 2030 Agenda goals established by the United Nations.

Barcelona has no intention of ignoring this debate and the challenges that go along with it. The city seeks an integrated digital future, one that is more ethical, more collaborative, and more transparent for everyone. This means using digital innovation to improve people's lives, grow opportunities for progress and move towards a more sustainable, connected and socially cohesive city.

At Smart City Expo World Congress 2021, Barcelona showcased 44 projects illustrating its commitment to digital innovation as a tool to build a better future. It also explained the plan for the [Barcelona Green Deal](#), the new vision and strategy of the city for 2030, using a powerful videowall.

The Barcelona City Council's stand also included an electric charging station, an MES Barcelona photovoltaic solar panel, a touch screen for the Check Barcelona app, and a drone for monitoring capacity on beaches – all clear demonstrations of the city's capacity for innovation.

Furthermore, 15 SMEs that reached a turnover of €8,600,000 in 2020 and were selected by Barcelona Activa according to their level of innovation showcased their products to increase their opportunities for internationalization. Among these were Aldebaran, Lovelymaps, Moba, and Yup Charge.

The stand also housed an **agora** where conferences, debates and presentations took place. Among the topics discussed were groundbreaking solutions to improve sustainability, Barcelona's sensor network (which is open to public experimentation), how to use data to offer better services, and how to boost the blue economy.

These topics, along with other crucial themes such as digital inclusion, democracy and digital rights, and urban justice in a post-pandemic world were also highlighted in Congress sessions by representatives from Barcelona's government:

## We Are the Cities We Make (Opening Session)

**Jaume Collboni**, First Deputy Mayor

## Innovative Cities to Deal with Global Challenges

**Ada Colau**, Mayor



## Cutting-Edge Urban Technologies

**Michael Donaldson**, Commissioner for Digital Innovation

## Clean Technologies for Sustainable Urban Services

**Miquel Rodríguez**, Commissioner for 2030 Agenda

## Ensuring Digital Inclusive Cities in the Post-covid 19 Era

**Laia Bonet**, Deputy Mayor in charge of Digital Transition, Agenda 2030, and International Relations

**Innovation Fueling the Economic Recovery**

**Miquel Rodríguez**, Commissioner for 2030 Agenda

**Outcomes From the CIOs Global Meeting**

**Michael Donaldson**, Commissioner for Digital Innovation

**Unleashing Digital Connectivity**

**Marta Contente**, Director of Innovation and Digital Transition

**Raising the Ambition of Decarbonizing Strategies**

**Maíta Fernández-Armesto**, Deputy Manager Urban Ecology

Moreover, Deputy Mayor Laia Bonet handed out the City Award at the World Smart City Awards Ceremony.



The local government, which officially inaugurated the Smart City Expo World Congress, Tomorrow.Mobility World Congress and Puzzle X, held a Welcome Dinner (observing the mandatory COVID measures). The event was attended by Mayor Ada Colau and several representatives of cities, institutions and corporations, who emphasized that the return of the event made face-to-face networking with other cities much easier, facilitating knowledge sharing and providing great international exposure.

The Smart City Expo will continue to support these initiatives by generating synergies, sharing knowledge, spurring reflection, and inspiring new projects to build the city of the future.



**#3**

**A SUSTAINABLE AND  
INCLUSIVE EVENT**

# TOWARDS ZERO WASTE

Waste generation has increased massively around the world in recent decades, and there are no signs of slowing. Measurable and inclusive action in this sector is urgently required, as transforming solid waste and material management systems could reduce global emissions by 20%.

Smart City Expo World Congress and Tomorrow.Mobility World Congress work towards creating **efficient, inclusive, and sustainable cities** - so naturally, these events need to lead by example.

To do so, both events run a dedicated sustainability initiative called **Towards Zero Waste**. This initiative is in line with the **European Commission's Circular Economy Strategy** and is based on the use of fewer materials, the reuse and recycling of products, and the elimination of food waste.

**The following actions were implemented at this year's event in pursuit of sustainability:**





**Reducing and reusing:** Both events reused carpet and other materials from several booths and communal areas. Other items, such as plants, were donated to several local associations.



**Avoiding single-use plastics:** The events said goodbye to single-use plastics. All drinks for sale were in glass containers and catering menus avoided plastic packaging, while coffee machines and single-dose capsules were replaced by coffee thermoses. Vending machines were disabled.



**Reducing CO2 emissions:** Emissions generated by both events were offset by buying *Verified Emission Reduction Carbon Credits* for a sustainable project. Attendees could do the same with the emissions associated with their journey and stay in Barcelona via the *Clean CO2* system. They were also encouraged to use public transportation or bicycles.



**Using less paper:** The events set up QR code points at strategic points throughout the venue for downloading the event app. There were also digital press corners instead of paper magazines, and all paper used at the stands was collected for recycling at the end of the shows.



**Recycling:** Lanyards, passes, and pass holders were made from recycled materials and could be discarded at a collection point to be recycled again. Containers for separating waste were distributed across the venue, with dedicated volunteers to help visitors.



**No food waste:** Leftover food was donated to the NGO *Nutrition Without Borders* to be distributed by community kitchens.

Furthermore, both events were involved this year in a new reforestation initiative in collaboration with **Plant for the Planet**. All money raised from attendees' donations was given to the **Planting for Doñana reforestation project**.

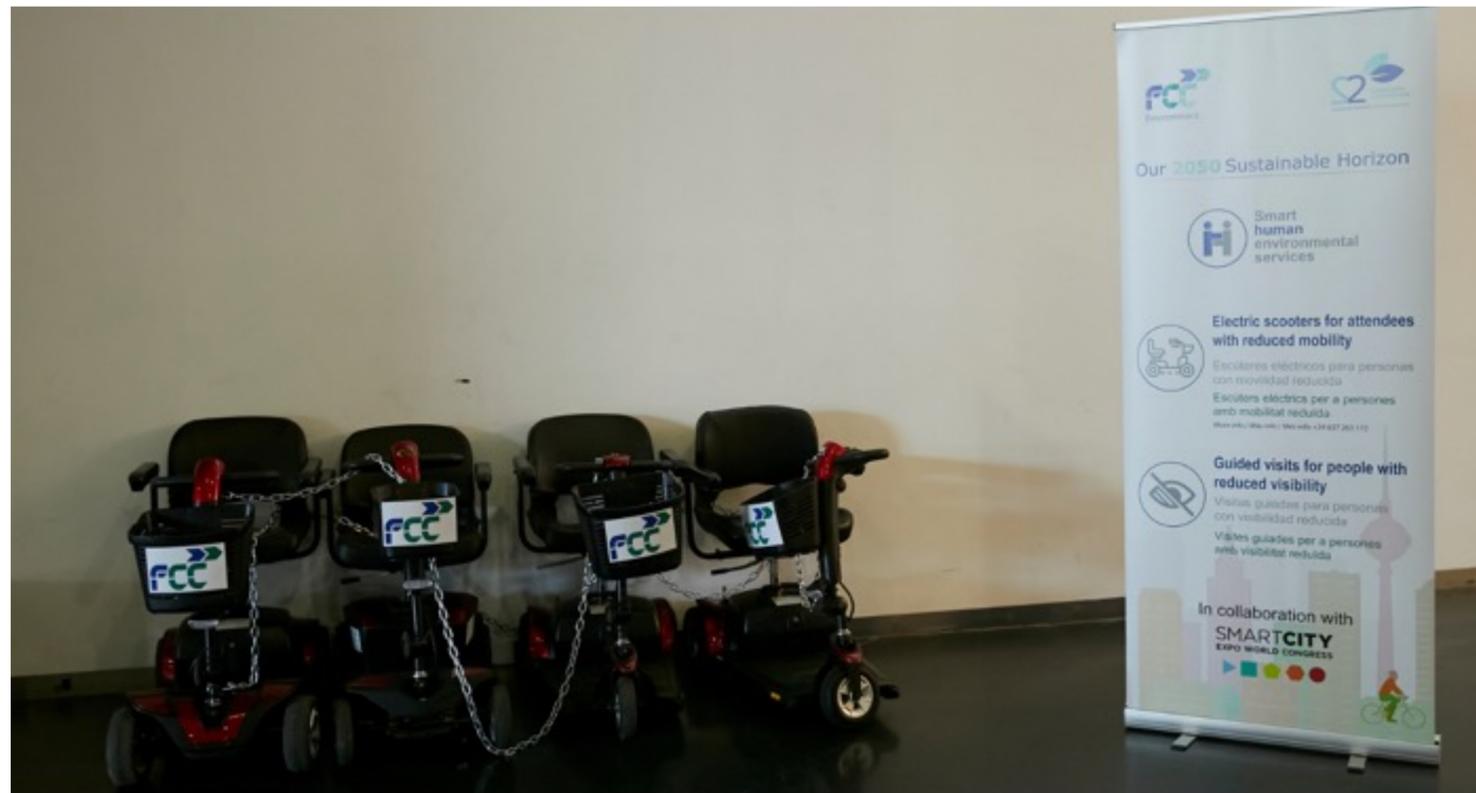
Doñana is one of Spain's most emblematic biodiversity hot spots and one of the most important protected natural areas in Europe.



# TOWARDS INCLUSIVITY

A smart city is not only forward-thinking and sustainable, but fully inclusive, leaving no one behind. Smart City Expo World Congress and Tomorrow.Mobility World Congress strive to integrate inclusivity into everything they do, in addition to creating a space for debate on how to build a fairer and more egalitarian society.

In 2019, they formally named an initiative that had already been in place for several years: **Towards Inclusivity** highlights the actions Smart City Expo World Congress and Tomorrow.Mobility World Congress take to make sure their events are accessible to all, and that everyone feels represented and has a voice.



## The following facilities were available for those attending the event:



Electric scooters were available for people with reduced mobility. There were also reserved spaces for wheelchairs/electric scooters in the food courts and in the audience areas of all Congress rooms. Moreover, guided tours were available for people with visual impairments and full accessibility in all areas of the venue was ensured.



Increasing equal gender representation at the Congress. Specific Congress sessions about gender equality were held.



Dedicated prayer rooms adapted to all needs were available. There were also a variety of lunch menus with kosher and veggie/vegan options.



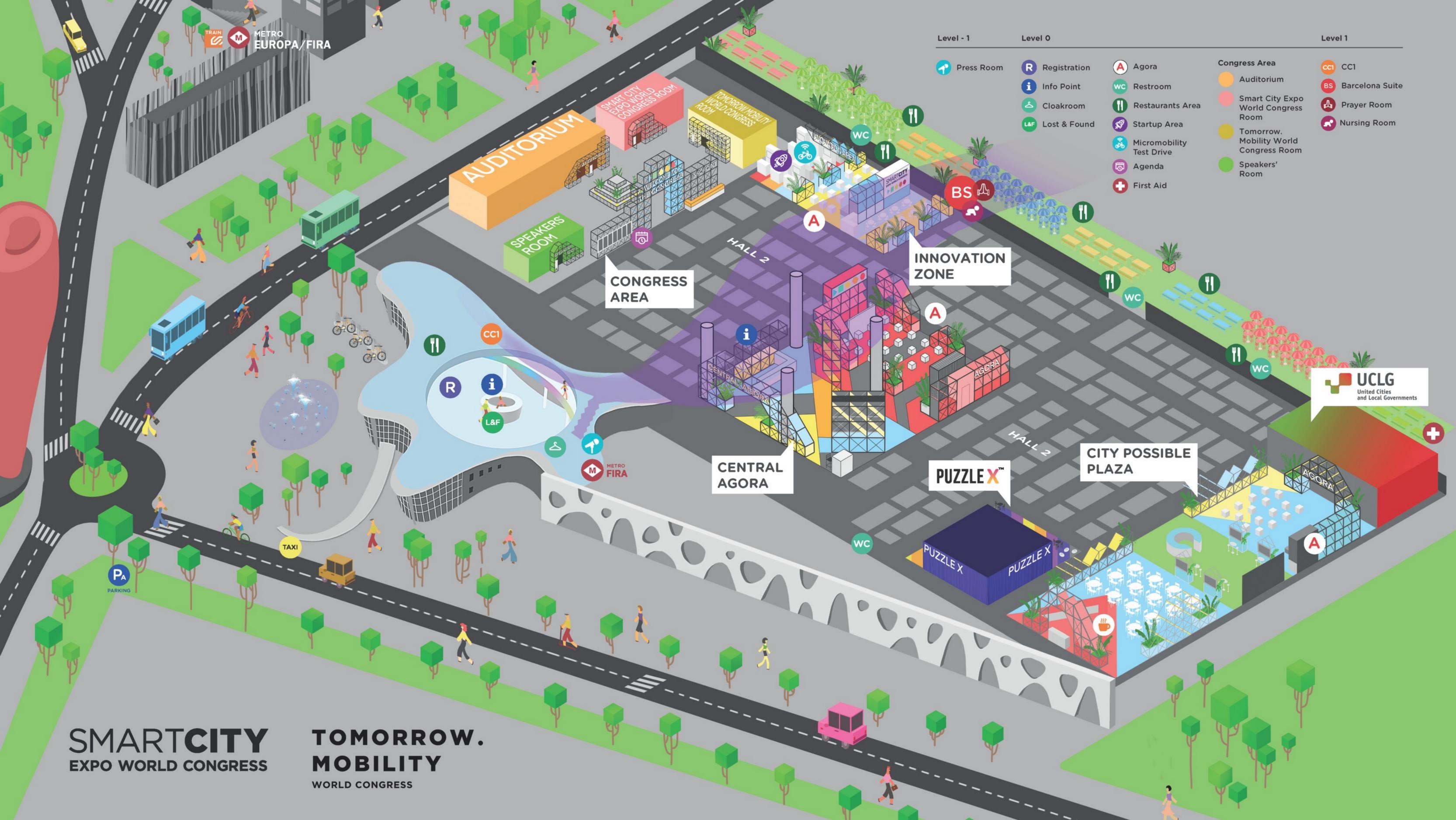
Simultaneous translation to Spanish was ensured in the Congress rooms.



There was a nursing room with diaper changing units.



**#4**  
**LAYOUT**  
**OF THE EVENT**



- | Level - 1    | Level 0                  | Level 1                                |
|--------------|--------------------------|--|
| Press Room   | Registration             | Agora                                  |
| Info Point   | Restroom                 | Congress Area                          |
| Cloakroom    | Restaurants Area         | Auditorium                             |
| Lost & Found | Startup Area             | Smart City Expo World Congress Room    |
|              | Micromobility Test Drive | Tomorrow. Mobility World Congress Room |
|              | Agenda                   | Speakers' Room                         |
|              | First Aid                |  |
|              |                          | CC1                                    |
|              |                          | Barcelona Suite                        |
|              |                          | Prayer Room                            |
|              |                          | Nursing Room                           |

**SMARTCITY**  
EXPO WORLD CONGRESS

**TOMORROW.**  
**MOBILITY**  
WORLD CONGRESS

**UCLG**  
United Cities  
and Local Governments

# A FIRST-RATE VENUE TO FOSTER ENGAGEMENT

The venue layout was designed to create a useful and memorable experience for attendees, offering new possibilities while respecting all COVID-related safety measures.

## EXHIBITION AREA

A large showcase where 452 exhibitors displayed groundbreaking products and services aimed at cities.

## CONGRESS AREA

An area for reflection and debate where 250 speakers from all over the world shared their insights in eight key tracks covering all the topics facing post-pandemic cities. The **Tomorrow.Mobility** conversation was also concentrated in this zone.

## CENTRAL AGORA

An open space for debate where key themes such as digital innovation for inclusion, better governance, city logistics and the new challenges of Smart Ports were discussed.

## INNOVATION ZONE

A marketplace where selected startups and organizations could engage with professionals attending from all over the globe and showcase their cutting-edge projects and smart implemented solutions.

## PUZZLE X

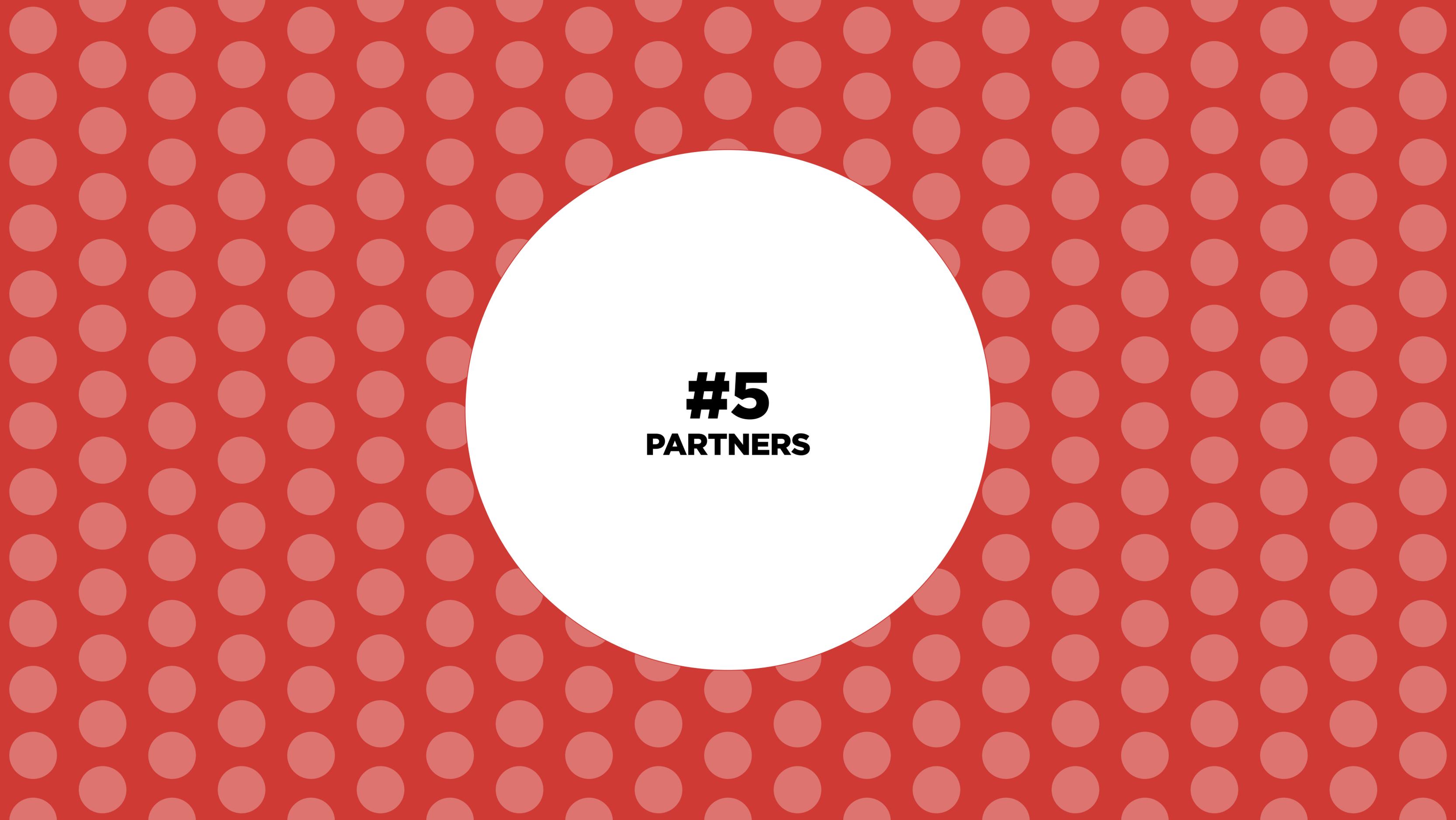
A space devoted to the first forum convened to bridge the worlds of Frontier Materials, societal impact, entrepreneurship, venture building, corporate innovation, bleeding-edge material science and United Nations Sustainable Development Goals to facilitate the use of the materials of the future to help our world today.

## CITY POSSIBLE PLAZA

An open space including a place to grab a coffee built in partnership with Mastercard to experience the **City Possible Summit 2021**, which unleashed the superpower of collaboration to explore how leaders around the world are approaching new challenges and building innovative, sustainable, inclusive, and prosperous cities.

## UNITED CITIES AND LOCAL GOVERNMENTS (UCLG)

UCLG gathered its World Council under the title **Smart Cities and Territories, Pillars of the Common Agenda** to define the strategy of the municipal movement and its contribution to the UN Common Agenda. The Council is composed of 342 representatives from 97 countries.



**#5**  
**PARTNERS**

**GLOBAL PARTNERS**



**INDUSTRY PARTNERS**



**EVENT PARTNERS**



**SUPPORTING INSTITUTIONS**



**SPONSORS**



**HOSTED BY**



**SMART CITY EXPO WORLD CONGRESS ORGANIZED BY**



**TOMORROW.MOBILITY WORLD CONGRESS ORGANIZED BY**



STRATEGIC ORGANIZATIONS



COLLABORATING ORGANIZATIONS



MEDIA PARTNERS



# GLOBAL PARTNERS

Smart City Expo World Congress 2021 was made possible thanks to a powerful community of corporate and institutional partners willing to work together with the event in pursuit of more sustainable, resilient, and inclusive post-pandemic cities. Their sessions and visions are available free of charge on the Tomorrow.City platform.



Cisco helps communities around the globe connect, protect, and enhance the lives of their people. It builds trustworthy technology that expands equitable access to information, essential services, healthcare and education, and keeps organizations functioning effectively without compromising security and privacy. The end-to-end capabilities of its portfolio help users reimagine and redesign communities to grow quality of life and protect people's physical and financial health, safety and well-being. Learn how to accelerate transformation with Cisco as your trusted partner. We're in this together, and as always, Cisco is securely connecting what's now and what's next to power an inclusive future for all.

**“ The Smart City Expo World Congress is the one place where we have meaningful conversations and we have the ability to think about how to solve them together.**

*Cassie Roach - VP Global Public Sector - CISCO*



City Possible is Mastercard's partnership and co-creation framework for cities. Since its inception, City Possible has facilitated a community for members to draw on the collective expertise and resources of all stakeholders in order to scale innovative solutions that address urban challenges. Through its City Possible network of more than 300 members, Mastercard is fostering collaboration and co-creation, driving inclusive economic development, and building resilient communities.

**“ City Possible at its core is a community, and that community is designed to create conversations, and to create relationships and collaborations that drive these inclusive solutions - an event like the Smart City Expo World Congress is an important in-person part of that.**

*Miguel Gamiño - Executive VP, Head of Global Cities - Mastercard*





FCC Environment is the company inside the FCC Group that, for over 110 years, has been delivering environmental services to 66 million people in more than 5,000 municipalities around the world. From waste management and recycling to every municipal service, it annually processes almost 24 million tons of waste as a resource at nearly 200 sustainable facilities, recovering 3.3 million tons of secondary raw materials (SRM) and refuse-derived fuel (RDF) and 360 MW of non-fossil power. Innovation is in FCC Environment's DNA, and it has committed to reaching the UN's Agenda 2030 SDG by developing its 2050 Sustainability Strategy, which includes implementing e-mobility and encouraging the changeover of society to a Circular Economy model.

“ We think that the Smart City Expo World Congress is the global benchmark event for everything related to smart cities, to cities that seek to be sustainable.

*Felipe Urbano de Saleta - Deputy Director, Environmental International Division, FCC Group*



Germany Trade & Invest (GTAI) is the Federal Republic of Germany's agency for promoting trade and investment within and outside of Germany. It advises foreign companies looking to expand their business activities in the German market, as well as providing information on foreign trade to German companies seeking to enter foreign markets. Its services include market-entry strategy development, site identification, site visit support, tax and legal information, funding and financing advice, contact initiation, and support during visits to local partners and networks.

“ Coming back to Barcelona to an event like the Smart City Expo World Congress is just fantastic. Meeting other German institutions, players that are in the field and all those international companies that exchange knowledge as well as getting to know each other is irreplaceable.

*Robert Compton - Project Manager, Energy Efficiency & Smart Cities - Germany Trade & Invest*





Huawei is an independent, privately held company that provides Information and Communications Technology (ICT). It has nearly 194,000 employees, and operates in more than 170 countries and regions, serving more than three billion people around the world.

Everything it develops and delivers to its customers is secure and trustworthy – a company track record that has remained consistent for 30 years.

With integrated solutions across four key domains – telecom networks, Information Technology (IT), smart devices, and cloud services – it is committed to bringing digital to every person, home, and organization, for a fully connected, intelligent world.



Microsoft enables digital transformation for the era of an intelligent cloud and an intelligent edge. Its mission is to empower every person and every organization on the planet to achieve more.

**“ Events such as the Smart City Expo World Congress really help drive creative problem solving, which is a requirement. No problem in a city is going to be solved by any one party. It’s going to take public and private and civil society coming together, and this event brings all of those parties together.**

*Jeremy Goldberg - Worldwide Director of Critical Infrastructure - Microsoft*





Smart Ports: Piers of the Future is an event organized by the Port of Barcelona in collaboration with six of the most important ports in the world: Antwerp, Hamburg, Los Angeles, Montreal, Rotterdam, and Busan. These institutions share projects and knowledge related to different areas, such as sustainability, multimodality, agility, resilience, and transparency, with the main objective of offering innovative solutions to present and future challenges faced by ports. The 2021 event was 100% online and the attendees were able to follow it through the Smart Ports TV digital platform. This digital platform will remain active for 365 days and new content will be uploaded during this period.

“ Smart City Expo World Congress is crucial for innovation in ports.  
*Damià Calvet - President - Port of Barcelona*



# INDUSTRY PARTNERS

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## Deloitte.

Deloitte is the brand under which tens of thousands of dedicated professionals in independent firms throughout the world collaborate to provide audit & assurance, consulting, financial advisory, risk advisory, tax, and related services to select clients.

## RACC Mobility Club

The RACC provides coverage and top-quality services to meet the needs of more than 10 million people all over the world. It specializes in personal, family, mechanical, urgent medical and household assistance services, and operates the biggest driving school network in Spain. To meet the needs of its members, it makes 1,193,000 call-outs a year and manages over 600,000 insurance policies of various types. The RACC promotes a new culture of mobility that is safer and more environmentally friendly. It has a significant capacity for disseminating information and influencing aspects related to improving road safety and infrastructure and reducing accidents.

# EVENT PARTNERS



emovis, a subsidiary of Abertis Mobility Services, is a global leader in the implementation and operation of toll-based mobility solutions supported by innovative technology in Europe, the Americas and Asia, enabling millions to seamlessly travel some of the world's most advanced and busy cities and highways. To do this successfully, emovis blends operational excellence with cutting-edge technology and best-in-class customer service to meet society's ever-changing requirements. It is currently operating or developing technological solutions for large tolling infrastructure in countries like the United States, the United Kingdom, Ireland, Puerto Rico, Canada, and Qatar.



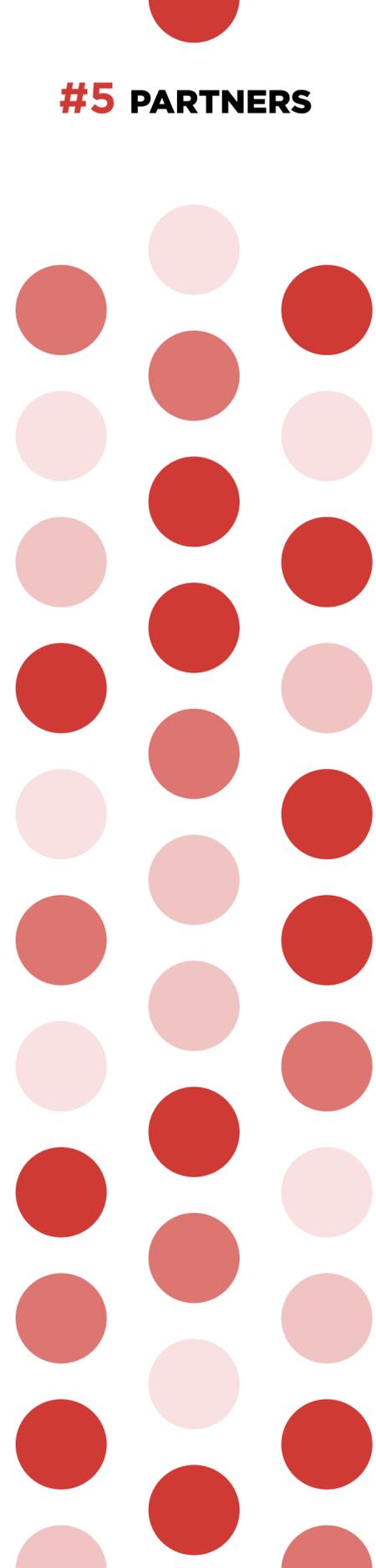
With sales of 10.7 billion euros in 2020, Covestro is among the world's leading polymer companies. Its business lines focus on the manufacture of high-tech polymer materials and the development of innovative and sustainable solutions for products used in many areas of everyday life. In doing so, Covestro is fully committed to the circular economy. The main industries it serves are automotive and transport, construction, furniture, and wood processing, as well as the electrical, electronics and household appliance industries. Other sectors include sports and leisure, cosmetics, healthcare, and the chemical industry itself. As of the end of 2020, Covestro had 33 production sites worldwide and employed around 16,500 people (calculated as full-time equivalents).



ENGIE is a global reference point in low-carbon energy and services, with 170,000 employees. The group is committed to accelerating the transition towards a carbon-neutral world through reduced energy consumption and more environmentally friendly solutions. Engie tries to reconcile economic performance with a positive impact on people and the planet, building on its key businesses (gas, renewable energy, services) to offer competitive solutions to its customers. As a major provider of energy efficiency solutions, ENGIE helps cities and communities optimize the way they use their resources by providing them with technical solutions and proven expertise in energy infrastructure, space heating, air conditioning and ventilation systems, district heating and cooling networks, public lighting, and telecoms and transportation infrastructure.



FIWARE is a curated framework of open-source software platform components that can be assembled and, together with third-party components, used to build entire platforms that support the faster, easier, and cheaper development of smart city solutions. FIWARE, as a world leading open-source technology in the digitization market, has become the de-facto standard for smart cities, and as such, helps cities' decision makers and system integrators alike to incorporate standards for stronger interoperability, faster time-to-market, security of investment and replicability (portability). Together with its ecosystems of members, partners, iHubs, evangelists and academia, the FIWARE Foundation is taking the lead in open source collaborative ecosystems, setting new standards on a global scale and acting as an enabling force for inter-city and inter-country collaboration and co-creation.



## #5 PARTNERS

KEOLIS

Keolis is a pioneer in developing public transport systems and works alongside public authorities who want to enhance shared mobility systems to grow the appeal and vitality of their regions. A world leader in operating automated metro and tramway systems, Keolis and its partners and subsidiaries Kisio, EFFIA, Keolis Santé and Cykleo support the core business with innovations offering new and bespoke shared mobility solutions for modes including trains, buses and coaches, trolleybuses, shared car solutions, river and sea shuttle services, bike share services, car sharing, fully electric driverless shuttles, and urban cable cars. In France, Keolis is the second largest provider of parking management solutions through its subsidiary EFFIA, and the country's leader in medical transport since the creation of Keolis Santé in July 2017. The Group is 70%-owned by SNCF and 30%-owned by the Caisse de Dépôt et Placement du Québec (Quebec Deposit and Investment Fund) and employs 68,500 people in 16 countries.\* In 2020, it posted revenues of €6.1 billion. In 2019, 3.4 billion passengers used one of Keolis' shared mobility services. [www.keolis.com](http://www.keolis.com)

\*Australia, Belgium, Canada, China, Denmark, France, Germany, India, the Netherlands, Norway, Qatar, Senegal, Sweden, the United Arab Emirates, the United Kingdom, and the United States.

PTV GROUP

The PTV Group takes a holistic approach that integrates all aspects of traffic, transport, and logistics to create and promote sustainable mobility. The PTV Group provides software solutions and consulting services to empower mobility and transport for a cleaner and smarter future. Its best-in-class software for intelligent traffic management and transport optimization enables decision-makers in politics, cities, industry, and trade save time and money, make roads safer, and protect the environment. PTV's software simulates and demonstrates today how tomorrow's mobility, with all its ecosystems and dimensions, can be realized - from strategic transport planning to micromobility for the first/last mile.

renfe

Renfe is Spain's leading rail operator in passenger and goods transport. It is committed to safe, efficient, and quality rail transport. It sets itself apart from other transport options and adapts to the needs and demands of the most crucial element in this entire structure: its customers. With more than 5,000 trains running every day in Spain, over 500 million passengers a year, 18.3 million tons transported each year, nearly 15,000 employees, and exceptional rates of punctuality, quality, and satisfaction, Renfe is working to consolidate its leadership in Spain and extend its international reach, with a presence in countries as wide-ranging as the United States, France, Mexico, and Saudi Arabia.

ubiwhere  
SUITING THE FUTURE

Founded in 2007, Ubiwhere is a software company focused on the research and development of innovative technological solutions, oriented to the areas of smart cities, telecommunications and Future Internet. The diversified team of more than 80 employees is one of the pillars of the company's success, and is prepared to face the greatest challenges of the market. Ubiwhere cooperates with a broad technological network at the national and international levels that values and recognizes the company's large-scale contribution to its creative and innovative projects. Ubiwhere holds several certifications: ISO 9001:2015, NP 4469:2019 and NP 4457:2007. We have the desire to change the world, which is why we create, design, and implement solutions that improve people's quality of life.

# SUPPORTING INSTITUTIONS



The European Commission is the EU's executive body. It represents the interests of the whole European Union. The Commission's main roles are to propose legislation which is then adopted by the co-legislators, the European Parliament, and the Council of Ministers; enforce European law (where necessary with the help of the Court of Justice of the EU); set objectives and priorities for action, outlined yearly in the Commission Work Program, and work towards delivering them, as well as managing and implementing EU policies, the budget, and representing the Union outside Europe. The European Commission has its headquarters in Brussels, Belgium, and some services are also based in Luxembourg. The Commission has Representations in all EU Member States and 139 Delegations across the globe.



ICEX Spain Trade and Investment is a public corporation at the national level aimed to promote the internationalization of Spanish companies to support their competitiveness and add value to the economy, as well as attracting foreign investment to Spain. ICEX Spain Trade and Investment renders its services through a network of 31 Provincial and Regional Divisions in Spain along with almost 100 Economic and Trade Offices around the world. It also boasts 16 Business Centers worldwide, offering Spanish companies temporary infrastructure and acting as incubators for internationalization. Every year, ICEX organizes around 1,200 promotional activities in foreign markets and answers over 90,000 queries on internationalization.



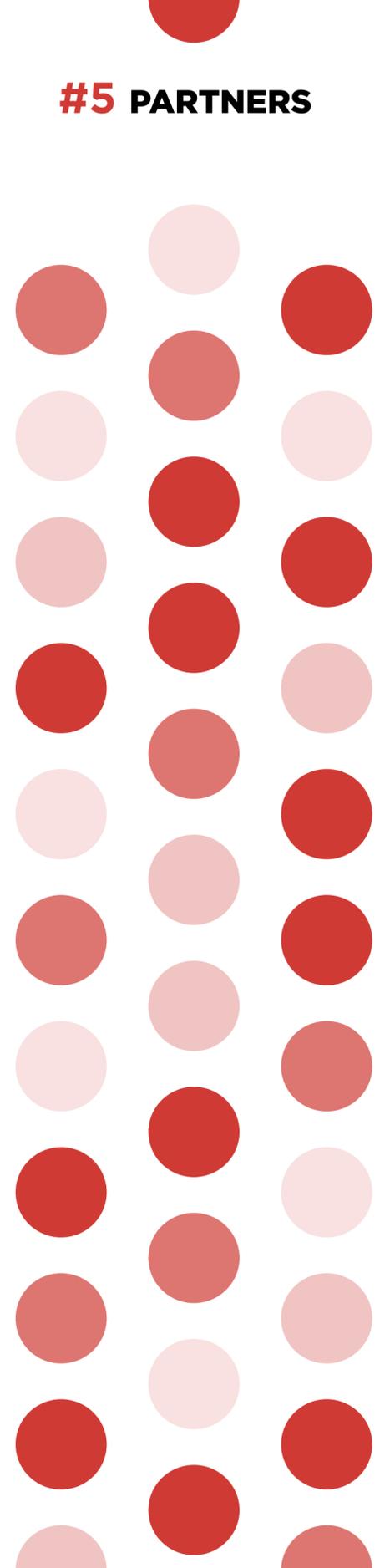
SmartCAT is the strategy of the Government of the Generalitat de Catalunya, and extends the concept of the Smart City to a country-wide level to carry out a program that integrates and coordinates local and supralocal initiatives, supports companies, and deploys Smart initiatives throughout the region. SmartCatalonia aims to make Catalonia an international "Smart Country" of reference, using digital information and technology to bring innovation to public services, drive economic growth and promote a smarter, more sustainable and more inclusive society.



The Diputació de Barcelona (Barcelona Provincial Council) is a local public authority that provides technical, economic, and technological support to the 311 municipalities in the province of Barcelona, fostering quality local services throughout the region. Its mission is to ensure progress and well-being for all citizens in the territory by providing services to people, either directly or, above all, in cooperation with the municipalities themselves. To this end, the Diputació de Barcelona is determined to become a Smart Region: a community of Smart Villages and Smart Cities in which technology and citizens are the main drivers of change to achieve social, environmental, and economic development for all, in line with the Sustainable Development Goals (SDGs).



The Barcelona Metropolitan Area (AMB) is the public administrative body for the metropolitan area of Barcelona, which occupies 636 km<sup>2</sup> and encompasses 36 municipalities with more than 3.2 million inhabitants. The metropolitan area is a territorial, social, demographic, economic and cultural entity formed during the last century as a product of the growth and connection of urban systems around the city of Barcelona. This is the largest metropolitan conurbation in the western Mediterranean, and generates half of Catalonia's GDP. The new public metropolitan administrative body replaces the three entities in place until 2011: the Union of Municipalities of the Metropolitan Area of Barcelona, Environmental Agency, and Transport Metropolitan Agency. This new AMB rationalizes and simplifies metropolitan governance by creating a single administrative body.



## #5 PARTNERS



EUROCITIES is the network of major European cities, with over 140 members across 39 countries, representing more than 130 million people. It works in all areas of interest for cities, from culture to mobility, the environment to social affairs, and economic development to smart cities. It facilitates learning experiences between cities and represents cities' interests before the European Union. EUROCITIES is committed to working towards a common vision of a democratic, sustainable future in which all citizens can enjoy a good quality of life.



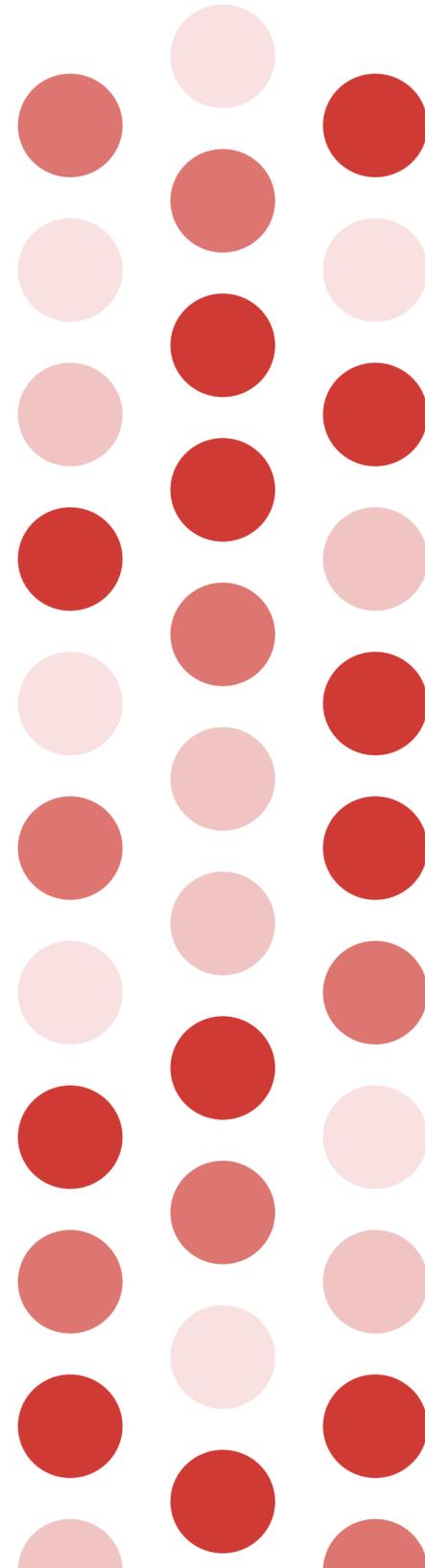
The effects of rapid urban growth combined with the impact of climate change are creating new challenges for cities, which require better usage of information. To manage these challenges and deliver improved urban services, cities need to better leverage technology, people, and processes. IDB works to improve lives in Latin America and the Caribbean through financial and technical support for countries striving to reduce poverty and inequality. It helps improve health and education, and advance infrastructure. As the leading source of development financing for Latin America and the Caribbean, it conducts extensive research and provide loans, grants, and technical assistance. It is committed to achieving measurable results and the highest standards of increased integrity, transparency, accountability, and sustainability.



Metropolis brings together the governments of 141 urban agglomerations located around the globe. Founded in 1985, the association is today the focal point of expertise on metropolitan governance. Bringing the voices of metropolises to the global agenda and building capacity to deliver public policies and services, Metropolis contributes to find common answers to the challenges of metropolization. It provides global leadership and advocacy to build a case for the importance of sound metropolitan governance, and its programs give metropolitan communities the tools they need to make better decisions.



United Cities and Local Governments (UCLG) is the global organization of local and regional governments and their associations that represents and defends their interests on the world stage. UCLG's network of members represents 70% of the world's total population and is present in all regions: Africa, Asia-Pacific, Europe, Eurasia, Latin America, the Middle East and West Asia, and North America; it is organized into 7 regional sections, 1 metropolitan section and 1 Forum of Regions. This network includes over 240,000 towns, cities, regions, and metropolises, and over 175 associations of local and regional governments in 140 countries. Among UCLG's key areas of political interest are local democracy, climate change and environmental protection, the achievement of the Sustainable Development Goals, local finance, urban development, and city diplomacy in peace building.



## #5 PARTNERS



UN-Habitat is the United Nations program working towards a better urban future. Its mission is to promote socially and environmentally sustainable human settlement development and the achievement of adequate shelter for all. In October 2016, at the UN Conference on Housing and Sustainable Urban Development – Habitat III – member states signed the New Urban Agenda. This is an action-oriented document which sets global standards of achievement in sustainable urban development, rethinking the way we build, manage, and live in cities. Through its cooperation with committed partners, relevant stakeholders, and urban actors, including all levels of government as well as the private sector, UN-Habitat is applying its technical expertise, normative work, and capacity development to implement the New Urban Agenda and Sustainable Development Goal 11 – to make cities inclusive, safe, resilient, and sustainable. The City Resilience Global Program is UN-Habitat’s technical partner for urban resilience. The program helps cities increase their resilience by diagnosing the state of their urban system, driving actions, sharing, and building knowledge for policy making.



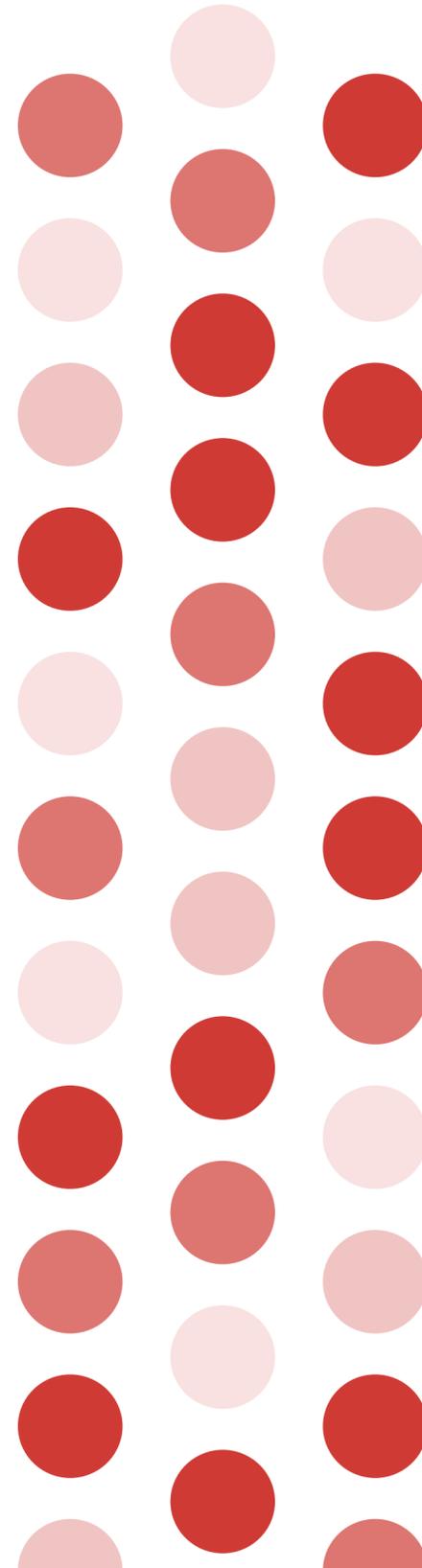
The World Bank Group comprises five institutions managed by their member countries. Established in 1944, the World Bank Group is headquartered in Washington, D.C. It has more than 10,000 employees in more than 120 offices worldwide. The World Bank is a vital source of financial and technical assistance to developing countries around the world. It is not a bank in the ordinary sense but a unique partnership to reduce poverty and support development.

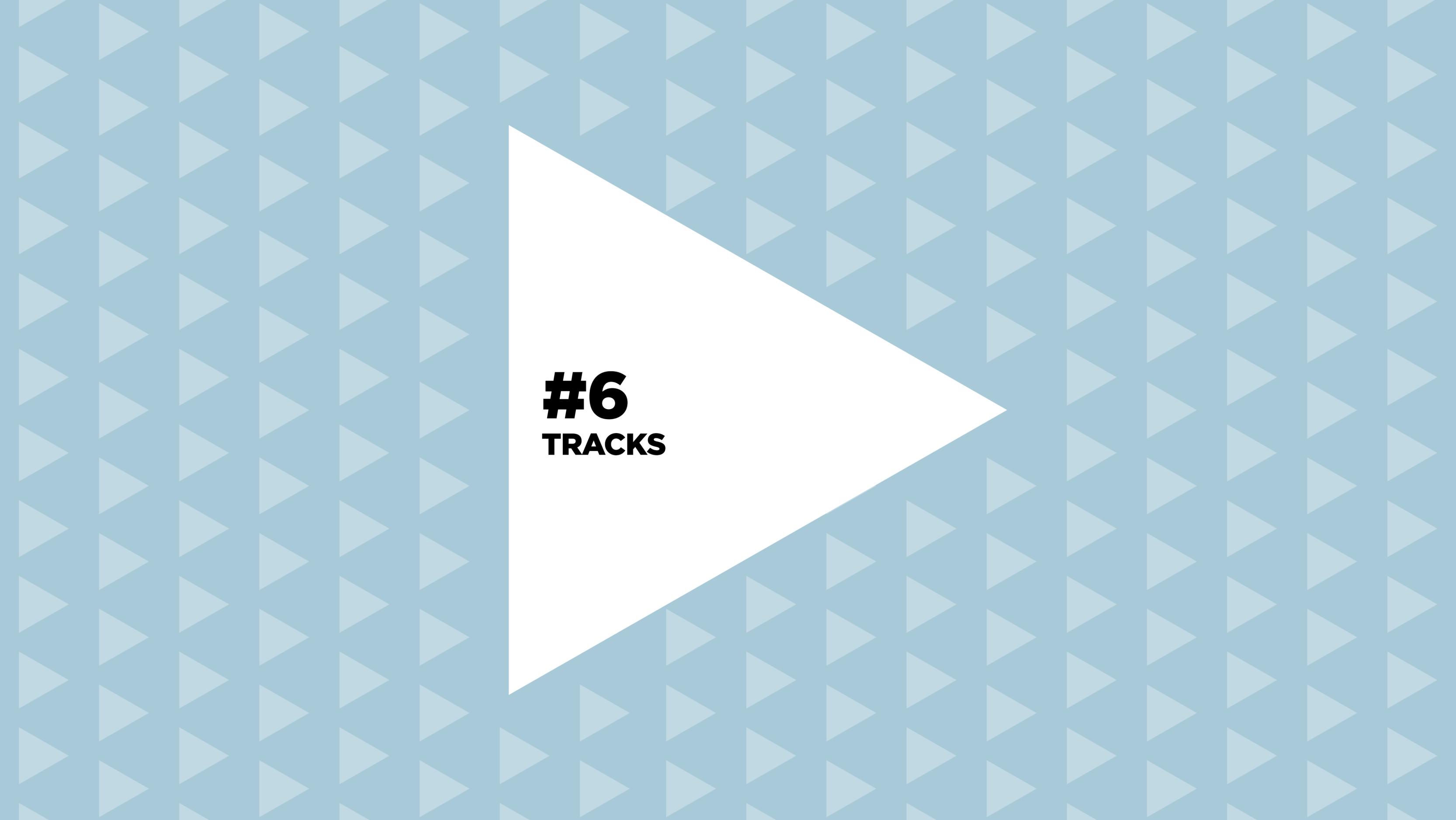
The World Bank Group has set two goals for the world to achieve by 2030:

- 1) End extreme poverty by decreasing the percentage of people living on less than \$1.90 a day to no more than 3%.
- 2) Promote shared prosperity by fostering the income growth of the bottom 40% for every country.



The World Economic Forum is the International Organization for Public-Private Cooperation. The Forum engages the foremost political, business, cultural and other leaders of society to shape global, regional and industry agendas. It was established in 1971 as a not-for-profit foundation and is headquartered in Geneva, Switzerland. It is independent, impartial, and not tied to any special interests. The Forum strives in all its efforts to demonstrate entrepreneurship in the global public interest while upholding the highest standards of governance. Moral and intellectual integrity is at the heart of everything it does.





**#6**  
**TRACKS**

# THE HEART OF THE DEBATE

In 2021, SCEWC focused on eight main tracks: **Enabling Technologies, Energy & Environment, Tomorrow.Mobility World Congress, Governance, Living & Inclusion, Economy, Infrastructure & Buildings, and Safety & Security.** These tracks were at the heart of the debate on how to improve life in post-pandemic cities, both in the Congress and the Expo area.



## Enabling Technologies

### SOME HOT TOPICS

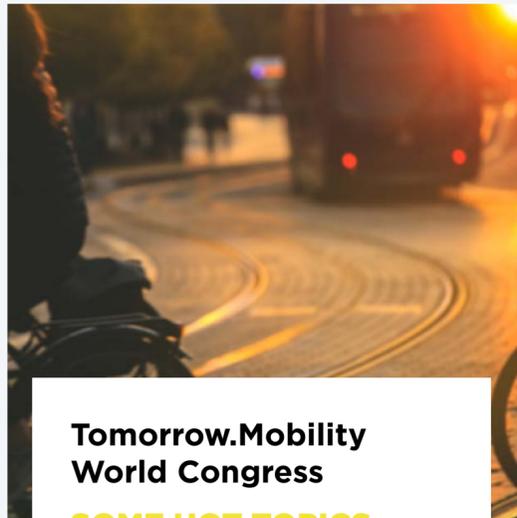
- Artificial Intelligence
- Internet of Things
- 5G & WIFI6 (6G)
- Cloud Computing
- VR/AR & Digital Twins
- Big Data



## Energy & Environment

### SOME HOT TOPICS

- New Energy Models
- Food & Agriculture
- Climate Emergency
- CleanTech
- Waste & Water Management
- Green Spaces



## Tomorrow.Mobility World Congress

### SOME HOT TOPICS

- Micro Mobility
- Public Transport
- Automotive
- Mobility Service Providers
- Last Mile & E-Delivery
- Smart Infrastructures



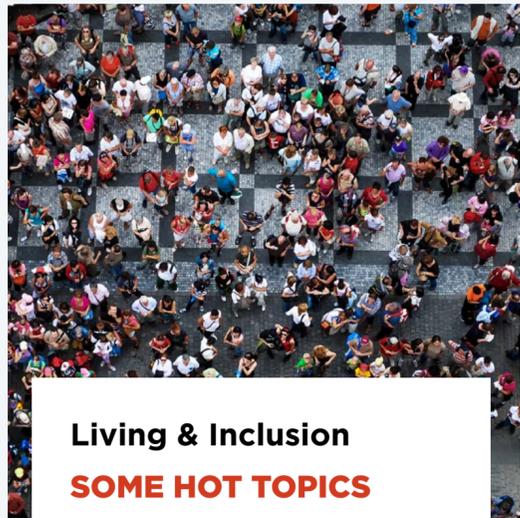
## Governance

### SOME HOT TOPICS

- Multi-stakeholder
- PPP
- Cross-sector Governance
- Citizen Engagement
- Alliances
- Co-creation

# THE HEART OF THE DEBATE

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## Living & Inclusion

### SOME HOT TOPICS

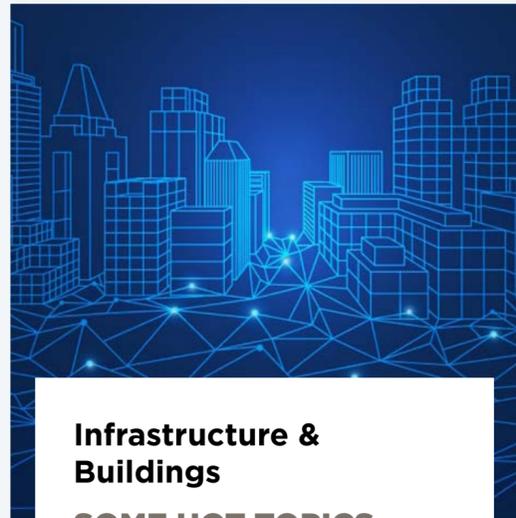
- Social Inclusion
- Future of Education & Work
- Health
- Cities for All
- Housing



## Economy

### SOME HOT TOPICS

- Financing Schemes
- Economic Models
- International Projection
- Talent Attraction
- Innovation Ecosystems
- City-to-city Cooperation



## Infrastructure & Buildings

### SOME HOT TOPICS

- Smart Buildings
- Sustainable Construction
- Innovative Materials
- Critical Infrastructures
- Digital Twins
- Urban Planning



## Safety & Security

### SOME HOT TOPICS

- Cybersecurity
- City Ethics & Privacy
- Urban Safety
- Data Security
- Digital Rights
- Emergency Response

**#7**  
**EXHIBITION**  
**AREA**

# A DYNAMIC MARKETPLACE

Smart City Expo World Congress 2021 featured a large exhibition area to showcase all the latest smart urban solutions.

**A total of 452 companies, institutions, cities, countries, and research centers** participated in this dynamic marketplace and showcased the latest advances in sustainable urban development. It was the perfect space to get up to date with the most innovative solutions in the smart city field, explore what's new in the sector and connect with thousands of international attendees, as well as a broad online audience that joined the event digitally.

Three main areas were showcased on the Exhibition floor: the **Central Agora**, where a large variety of side events took place; the **City Possible Plaza**, where the **City Possible Summit** reflected on how post-pandemic cities can meet old and new challenges; and the **Innovation Zone**, where mobility solutions to reinvent tourism were displayed, **36 startups** presented their products, and many others pitched their groundbreaking ideas.



# FLOOR PLAN 2021

## EXHIBITOR LIST

Name	Stand
3D SCANNERS	C149
<b>A</b>	
AA MOBILITY	D112
ABB MANAGEMENT SERVICES LTD.	D152-19
ABERTIS MOBILITY SOLUTIONS	C171
ACCENTURE	D152-9
ACTION TRACKER	D112
ADASKY + ISCL	C140-5
ADDOX INTERNET SERVICES	B151
ADEUNIS	D132, E140
ADTEL	D112
ADVANTAGE AUSTRIA SPAIN	D139
AEMES SMART	C141
AIRLY	D149
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AJUNTAMENT DE L'HOSPITALET	C161
ALCATEL LUCENT ENTERPRISE	D132, E140
ALDEBARAN	D151
ALLIANZ SMART CITY DORTMUND	B141
ALYCE	D132, E140
AMAZON WEB SERVICES	B151
AMB (AREA METROPOLITANA DE BARCELONA)	D141
AMB INFORMACIÓ I SERVEIS	D169
AMC 4.0	D141
AMTU	D112
ANTOPOLIS	D128
AOIFE SOLUTIONS	D131
APP&TOWN	D112
APPARTIME	C149
ARCELORMITTAL	D132, E140
ARGOS TEAM ACCESS	D132, E140
ARTEC DESIGN	D123
ATENE KOM	B149
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AUVE TECH	D123
AWEX	D128
AXESS	D139
AXILION LTD	D152 - 11
AXIS	D152 - 12
AYUNTAMIENTO DE MADRID -MADRID INNOVATION	E150
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BABLE	B131
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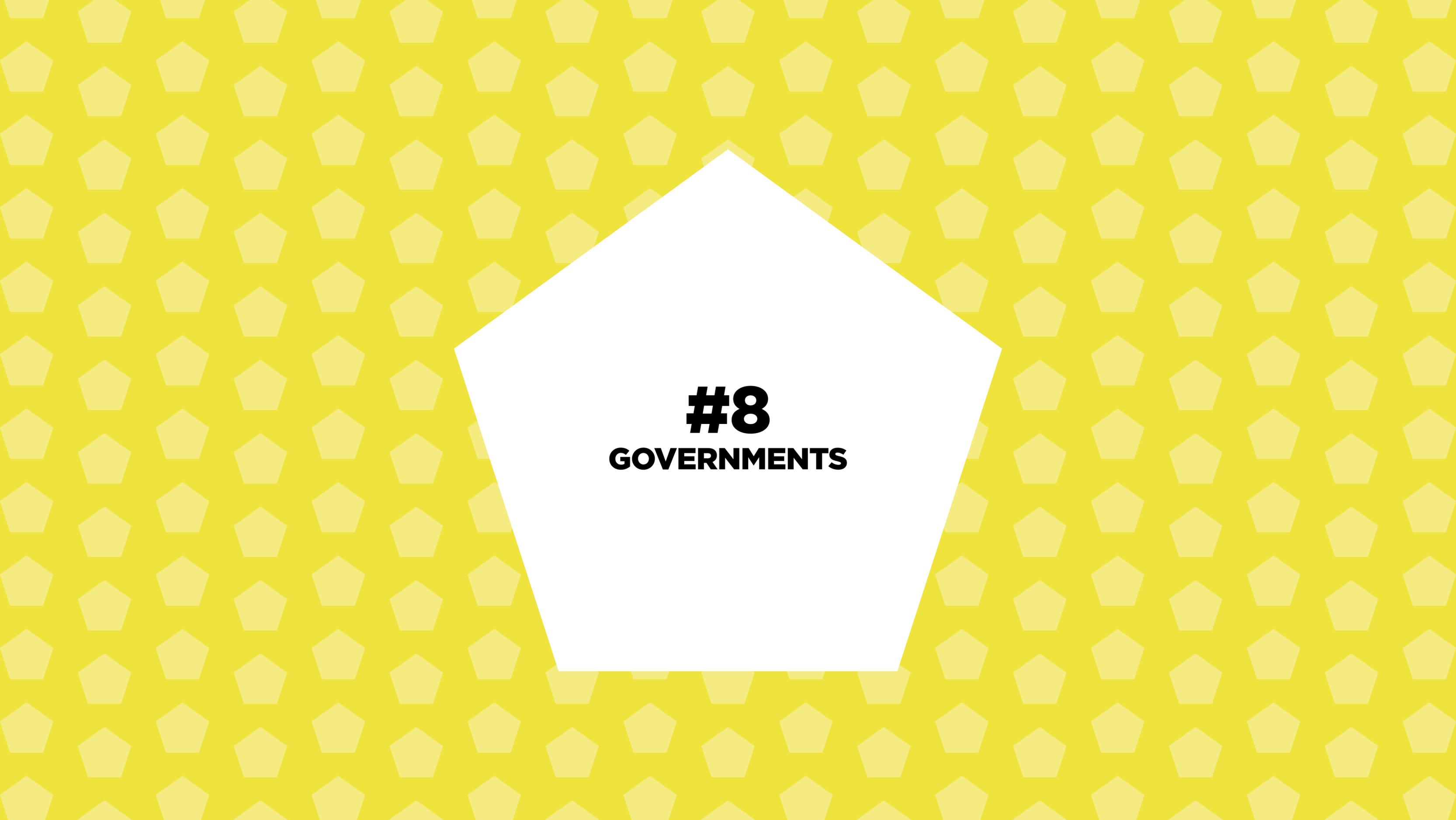
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EXHIBITORS TOMORROW.MOBILITY WORLD CONGRESS





**#8**  
**GOVERNMENTS**

# A GLOBAL MEETING POINT FOR GOVERNMENT AGENCIES

For its 10th anniversary, Smart City Expo World Congress gathered representatives of more than 120 countries to share experiences and promote new initiatives for urban transformation.

Among them were representatives from cities such as Buenos Aires, Medellin, Milan, Montevideo, New York, Paris, Philadelphia, Quito, Rio de Janeiro, Stockholm, Tehran, Tel Aviv or Tunis.

Here is a detailed list of some of the public representatives who participated in the event:

## Widespread Media and Social Media Interest

### GAURANG RATHI

*IAS Chief Executive Officer*  
Aligarh Smart City, India

### ROBERTO NAVES E SIQUEIRA

*Mayor*  
City of Anápolis, Brazil

### ANÍBAL GAVIRIA CORREA

*Governor*  
Government of Antioquia, Colombia

### GUSTAVO MENDANHA MELO

*Mayor*  
City of Aparecida de Goiânia, Brazil

### NARESH KUMAR

*Chief Secretary*  
Government of Arunachal Pradesh, India

### SHASHVAT SAURABH

*IAS Secretary*  
Government of Arunachal Pradesh, India

### MUHAMMAD ADITYA MUFTI

*Mayor*  
City of Banjarbaru, Indonesia

### ADA COLAU BALLANO

*Mayor*  
City of Barcelona, Spain

### JAUME COLLBONI

*First Deputy Mayor for Economy, Labor, Competitiveness & Finance*  
City of Barcelona, Spain

### LAIA BONET

*Deputy Mayor in charge of Digital Transition, Agenda 2030, and International Relations*  
City of Barcelona, Spain

### MICHAEL DONALDSON

*Commissioner for Digital Innovation*  
City of Barcelona, Spain

### ANKIT ASTHANA

*IAS Chief Executive Officer*  
Bhopal Smart City, India

### SANJAY KUMAR SINGH

*IAS Commissioner*  
Bhubaneswar Municipal Corporation, India

### OIHANE AGIRREGOITIA

*Deputy Mayor of Citizen Participation and International Relations*  
City of Bilbao, Spain

### DELPHINE JAMET

*Deputy Mayor in charge of General Administration, Evaluation of Public Policies and Data Strategy*  
City of Bordeaux, France

### PETRA DZUROVCINOVA

*Chief Innovation Officer*  
City of Bratislava, Slovakia

### DIEGO FERNÁNDEZ

*Secretary of Innovation & Digital Transformation*  
City of Buenos Aires, Argentina

### VICTOR DA SILVA COELHO

*Mayor*  
City of Cachoeiro de Itapemirim, Brazil

### BRUNO CUNHA LIMA

*Mayor*  
City of Campina Grande, Brazil

### PITÁGORAS ALVES DA SILVA IBIAPINA

*Mayor*  
City of Candeias, Brazil

### JORDI PUIGNERÓ

*Vice President and Minister of Digital Policies and Public Administration*  
Government of Catalonia, Spain

### MARIA GALINDO

*General Director Digital Nation and Urban Agenda*  
Government of Catalonia, Spain

**VERÓNICA GONZÁLEZ**

*Chief Resilience Officer*  
City of Ciudad Juarez, Mexico

**EDUARDO PIMENTEL**

*Vice-Mayor*  
City of Curitiba, Brazil

**ASHOK KUMAR BYANJU SHRESTHA**

*Mayor*  
City of Dhulikhel, Nepal

**FRITZ RETTBERG**

*Chief Innovation Officer*  
City of Dortmund, Germany

**PATRICE VERGRIETE**

*Mayor*  
City of Dunkirk, France

**PETER ADELSKAMP**

*Chief Digital Officer*  
City of Essen, Germany

**ABDESLAM EL BEKKALI**

*Mayor*  
City of Fès, Morocco

**JAN JAMBON**

*Minister-president*  
Government of Flanders, Belgium

**BARTOS ZEWICZ**

*Deputy Mayor*  
City of Gdynia, Poland

**PASCAL CLOUAIRE**

*Deputy Mayor in charge of Innovation*  
City of Grenoble, France

**KRISTINA SINEMUS**

*Minister for Digital Strategy and Development*  
Government of Hessen, Germany

**KUNAL KUMAR**

*Joint Secretary & Mission Director, Ministry of Housing and Urban Affairs*  
Government of India

**PRATIBHA PAL**

*IAS Commissioner*  
Indore Municipal Corporation, India

**SAFRIZAL ZA**

*Director General of Regional Administration, Ministry of Home Affairs*  
Government of Indonesia

**THOMAS UMBU PATI**

*Directorate of Urban Area & State Boundaries, Ministry of Home Affairs*  
Government of Indonesia

**GENSLY**

*Head of Sub-Directorate of Urban Area & State Boundaries, Ministry of Home Affairs*  
Government of Indonesia

**ALEKSANDAR GJORGJIEV**

*Deputy Mayor*  
City of Kavadarci, Macedonia

**ILSUR METSHIN**

*Mayor*  
City of Kazan, Russia

**BERRY VRBANOVIC**

*Mayor*  
City of Kitchener, Canada

**UĞUR İBRAHİM AKTAY**

*Mayor*  
City of Konya, Turkey

**JEFIRSTSON RICHSET RIWU KORE**

*Mayor*  
City of Kupang, Indonesia

**NÚRIA MARÍN MARTÍNEZ**

*Mayor*  
City of L'Hospitalet de Llobregat, Spain

**DIAMANTOS KONSTANTINOS**

*Vice-Mayor*  
City of Larissa, Greece

**PABLO HERMOSO**

*Mayor*  
City of Logroño, Spain

**FRANCISCO DE LA TORRE PRADOS**

*Mayor*  
City of Malaga, Spain

**ULISSES MAIA**

*Mayor*  
City of Maringá, Brazil

**DANIEL QUINTERO CALLE**

*Mayor*  
City of Medellin, Colombia

**ARIANNA CENSI**

*Deputy Mayor for Transport*  
City of Milan, Italy

**PIERO PELIZZARO**

*Chief Resilience Officer*  
City of Milan, Italy

**HAIM BIBAS**

*Mayor*  
City of Modiin-Maccabim-Reut, Israel

**CAROLINA COSSE**

*Mayor*  
City of Montevideo, Uruguay

**AAWATIF HAYAR**

*Minister of Solidarity, Social Integration & Family*  
Government of Morocco

**JOHN FARMER**

*Chief Information Officer*  
City of New York, USA

**FATIMETOU ABDEL MALICK**

*President*  
Region of Nouakchott, Mauritania



**ARMAND BÉOUINDÉ**

*Mayor*  
City of Ouagadougou, Burkina Faso

**ARNAUD NGATCHA**

*Deputy Mayor*  
City of Paris, France

**INES SELETTI**

*Deputy Mayor for Education and Technologic Innovation*  
City of Parma, Italy

**TIZIANA BENASSI**

*Deputy Mayor for Environmental Sustainability Policies*  
City of Parma, Italy

**MARK WHEELER**

*Chief Information Officer*  
City of Philadelphia, USA

**MARJAN JUNCAJ**

*City Manager*  
City of Podgorica, Montenegro

**VIKRAM KUMAR**

*Commissioner*  
Municipal Corporation of Pune, India

**GISSELA CHALÁ**

*Vice-Mayor*  
City of Quito, Ecuador



**AMIT KUMAR**

*Chief Executive Officer*  
Municipal Corporation of Pune, India

**ISABELLA MENEZES DE ROLDAO FIORENZANO**

*Vice-Mayor*  
City of Recife, Brazil

**ĀRIS DZĒRVĀNS**

*Chief Digital Officer*  
City of Riga, Latvia

**CLÁUDIO CASTRO**

*Governor*  
State of Rio de Janeiro, Brazil

**BAS BOORSMA**

*Chief Digital Officer*  
City of Rotterdam, Netherlands

**JAN HOSKAM**

*Vice-Mayor*  
City of 's-Hertogenbosch, Netherlands

**CAROLA GUNNARSON**

*Mayor*  
City of Sala, Sweden

**ANA PAULA MATOS**

*Vice-Mayor*  
City of Salvador de Bahía, Brazil

**ANDI HARUN**

*Mayor*  
City of Samarinda, Indonesia

**KIP HARKNESS**

*Deputy City Manager*  
City of San Jose, USA

**KARIN EKDAHL WÄSTBERG**

*Director of Innovation*  
City of Stockholm, Sweden

**NORAINI ROSLAN**

*Mayor*  
City of Subang Jaya, Malaysia

**ALIONG MUS**

*Mayor*  
City of Taliabu, Indonesia

**PEP BUDI VILALTELLA**

*Chief Innovation Officer*  
City of Tarragona, Spain

**HAMIDREZA GHOLAMZADEH**

*Deputy Mayor for International Affairs*  
City of Tehran, Iran

**SEYED MOJTABA SHAFIE BAHNAMIRI**

*Deputy Mayor for Traffic & Transportation*  
City of Tehran, Iran

**RINAT GUY**

*Chief Innovation Officer*  
Tel Aviv Municipality, Israel



**ARVIND KUMAR**

*IAS Principal Secretary (Municipal Administration & Urban Development)*  
Government of Telangana, India

**KONSTANTINOS ZERVAS**

*Mayor*  
City of Thessaloniki, Greece

**ERION VELIAJ**

*Mayor*  
City of Tirana, Albania

**SOUAD BEN ABDERRAHIM**

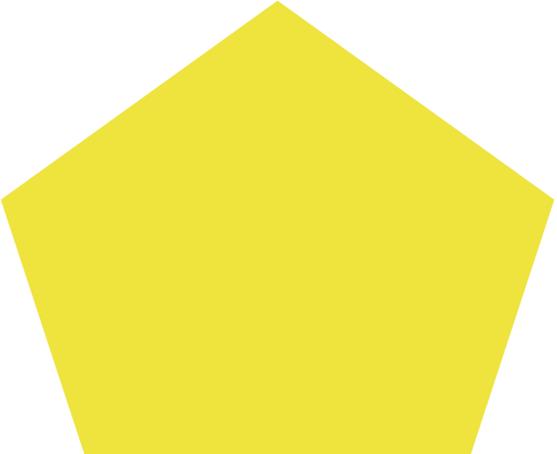
*Mayor*  
City of Tunis, Tunisia

**JOSÉ MANUEL RIBEIRO**

*Mayor*  
City of Valongo, Portugal

**REMIGIJUS SIMASIUS**

*Mayor*  
City of Vilnius, Lithuania



## City and Country Pavilions

Over 30 cities, regions and countries built their own pavilions to showcase their visions for the implementation of smart solutions, promote local companies and gather insights from other stakeholders. Delegates organized a myriad of activities in compliance with COVID-related safety measures so that they could establish significant partnerships and different forms of collaboration with global firms and institutions.

In addition, a number of government authorities from around the world and major global institutions – such as the United Nations Human Settlements Program (UN-Habitat) and the International Association of Public Transport (UITP) – identified areas of common ground and aired their views regarding diverse areas of interest at the event.



The following cities, regions and countries exhibited at Smart City Expo World Congress 2021:

- |                               |  |
|-------------------------------|--|
| <b>Austria</b>                | <b>Iran</b>                            |
| <b>Baden-Württemberg</b>      | <b>Italy</b>                           |
| <b>Barcelona City Council</b> | <b>Latvia</b>                          |
| <b>Bayern</b>                 | <b>L'Hospitalet de Llobregat</b>       |
| <b>Belgium</b>                | <b>Madrid</b>                          |
| <b>Berlin-Brandenburg</b>     | <b>Malopolska</b>                      |
| <b>Canada</b>                 | <b>Metropolitan Area of Barcelona</b>  |
| <b>Catalonia</b>              | <b>Nordrhein-Westfalen</b>             |
| <b>Chile</b>                  | <b>Norway</b>                          |
| <b>Denmark</b>                | <b>Provincial Council of Barcelona</b> |
| <b>Estonia</b>                | <b>Saxony</b>                          |
| <b>Finland</b>                | <b>Spain</b>                           |
| <b>France</b>                 | <b>Stockholm</b>                       |
| <b>Germany</b>                | <b>Sweden</b>                          |
| <b>Hessen</b>                 | <b>The Netherlands</b>                 |
| <b>India</b>                  | <b>United States of America</b>        |



**#9**  
**CONGRESS**

# ENVISIONING A BETTER FUTURE FOR CITIES



The pandemic is giving us the opportunity to reimagine everything – cities included. Is it possible to realize a greener, 15-minute, feminist city? How are cities rewriting their stories for the post-COVID era? How are they contributing to the recovery? If **We Are the Cities we Make**, what is the role of residents in building more resilient urban spaces? The debates that took place at the Congress helped answer these questions and envision better future cities.

The 2021 edition of the Smart City Expo World Congress focused on the following eight main tracks, laying the groundwork for in-depth discussions: Enabling Technologies; Energy & Environment; Tomorrow.Mobility World Congress; Governance, Living & Inclusion; Economy, Building & Infrastructures; and Safety & Security. All were addressed using a variety of different formats, from roundtables to dialogues and interviews, allowing us to approach critical topics from a fresh perspective.

In parallel, a digital version of both the Smart City Expo World Congress and the Tomorrow.Mobility World Congress ran on a channel especially designed for the occasion. Importantly, these programs were not streaming broadcasts of what happened at the onsite congress, but independent shows specifically conceived for the online audience.

More than 250 thought-provoking leaders and global innovators, such as María Fernanda Espinosa, Former President of the UN General Assembly, Maimunah Mohd Sharif, Executive Director of UN-Habitat, Jan Jambon, Minister-President of the Government of Flanders, Ed Gillespie, Environmental Entrepreneur, Futurist and Author, and Ada Colau, Mayor of Barcelona, made it clear that cities are leading the way in the response to COVID-19 and foreseeing new realities.

The general sentiment was that **technology and collaboration are critical in aiding the post-COVID recovery.**

Both the Auditorium and the Thematic Rooms were at their full capacity during all three days, with COVID safety measures strictly maintained. Some of the themes that pervaded the agenda included how to foster a greener economy, how to enhance cybersecurity in view of increasing ransomware attacks, how intelligent IoT can help tackle environmental problems, and how to preserve privacy and ethics in city management.

# CONGRESS TAKEAWAYS

## Post-Pandemic Cities Need to Collaborate



- Some speeches at COP26 might have left us feeling hopeless, but **there are places where actions are being taken** to fast-track a green and equitable future for all.
- Technology is a critical foundation if we are to create an economy that is green, inclusive and resilient. It's also crucial to enabling the post-COVID recovery.
- Using the Next Gen funds coming from Europe where they're most needed is a considerable challenge for cities.
- Multilateralism is still crucial within the particularly challenging current global scenario.
- Mobility is still a great challenge for cities. In the current context, cities have made it clear that investment in public transport is still needed, apps don't move people miraculously towards sustainable mobility, and autonomous mobility should be electric and shared.

**“ You have to go really slowly when you have a terrible urgency. Now, it's time to reflect. ”**

***Benedetta Tagliabue, Miralles Tagliabue EMBT***



**#10**  
**SIDE EVENTS &**  
**ACTIVITIES**

## SIDE EVENTS

An extensive program of inspiring side events led by organizations and companies making strides in urban development were scheduled during the event, driving attendees to the heart of key urban issues. The 80+ side events featured in 2021 took place in three main areas – the Central Agora, the City Possible Plaza, and the Innovation Zone.

### CENTRAL AGORA

Living up to its name, the Central Agora featured non-stop open debates on key issues such as the role of Smart Ports, and sustainability as the “new smart,” offered by La French Fab, the site sponsor, as well as more technical topics such as data spaces and local digital twins for cities and communities.



Port de Barcelona

The transformation of maritime transport and logistics thanks to different applications of digital technology is crucial due to the global supply chain shortage caused by the pandemic. The challenges of Smart Ports was the crucial issue this open side event addressed.



There is no single model for a sustainable city, but there are objectives that can be shared. Under the title Sustainable Is the New Smart, La French Fab explained the French approach to tackling the growing impact of climate change and presented operational solutions as well as a logical framework for action.



## CITY POSSIBLE PLAZA



Under the theme **New Possibilities in a Changed Urban World, the City Possible Summit** at Smart City Expo World Congress unleashed the superpower of collaboration to explore how

leaders around the world are approaching the challenges cities face due to the pandemic and global threats like climate change, which have grown more acute over the last year.

In a space especially designed to host debates, but also experience innovation in action and even unwind for a little while by grabbing a coffee, the City Possible Summit delved into the New Mobility Landscape, how small businesses can turn into vehicles to spark a recovery in pandemic-ravaged economies, defining smart resilience and how to cope with cybersecurity challenges.

The City Possible team also showcased diverse Mastercard products such as **Mastercard City Key™**, a resident engagement platform helping cities provide benefits and services access to residents; **Mastercard City Insights**, a marketplace for data insight apps and services for cities; and **Mastercard Mobility & Transit**, a suite of solutions helping cities advance public and private transportation infrastructure.

Furthermore, willing to harness the best of both the onsite and the online worlds, the City Possible Summit presented a digital version, which was directly streamed from the SCEWC. As Miguel Gamiño, Executive VP and Head of Global Cities at Mastercard put it: “We’re able to do this hybrid event with our partnership with Smart City Expo World Congress. So, we’re streaming all this content to our digital audience but we also have a packed crowd here in person and the speakers are coming digitally and in person too. It’s our first version of this hybrid event but I think it’s something that is here to stay and we’re going to do everything we can to continue to make that platform, that hybrid engagement, better and better.”



## INNOVATION ZONE

The Innovation Zone honored disruptive ideas by featuring 36 exhibiting startups selected according to the maturity of their project and their impact. The companies pitched their projects to investors, corporations, cities, and potential partners.

Following are the firms with the most interesting projects, as well as the most outstanding sessions in this area:

### AUVE TECH:

Auve specializes in the development and manufacturing of autonomous transportation systems. It offers a full-scope service that encompasses the autonomous vehicles, their integration into various environments, and fleet management. The company showcased the world's most compact and flexible level 4 autonomous shuttle that slots into the existing infrastructure and is already operating on public roads.

### VONZU:

VONZU is a technological solution that enables the orchestration of the entire supply chain by integrating retailers and logistics operators into a single cloud-based platform. VONZU digitalizes and automates each step of the shipping and delivery process so that goods are distributed in a more integrated, sustainable, and profitable way. Its project has already been implemented in more than 25 cities and every minute almost five deliveries are made using its software. In addition, it incorporates algorithms to reduce the environmental footprint of this activity (vital within the 2030 Agenda). The company is headquartered in Barcelona, underlining the noteworthy



**DASHBIKE:** The first data-protection-compliant safety camera for cyclists. It includes distance measurements, GPS, a gyroscope, lights, and many other sensors to record all the movements of a bicycle. In addition, it is loaded with countless sensors to capture a huge number of details about the context. While it may seem like a no-brainer, it more than likely can play a role in the future in terms of accidents (insurance and potential liability claims), addressing future legislation if placed in public vehicles (automatic legislation) and elite training among non-professional athletes.

As an essential citizen's right, mobility trends and how to create European unicorns were a crucial part of the conversation in the Innovation Zone:



The EIT Urban Mobility High-Level City Event brought together EIT Urban Mobility's city partners from all over Europe with the aim of strengthening the sense of community, sharing bold targets for achieving a more sustainable future in urban mobility, and setting out the common objectives for reaching the climate neutrality goals in Europe by 2035.



In this RACC Mobility Institute members-only event, mobility trends data from Madrid and Barcelona was presented and a debate on how to improve user experience followed.



Finally, in a session closed to the Congress, the United Cities and Local Governments met to enrich the debate.



United Cities and Local Governments (UCLG) gathered its World Council at the Smart City Expo World Congress to define the strategy of the municipal movement and its contribution to the UN Common Agenda. Under the title Smart Cities and Territories, Pillars of the Common Agenda, 342 representatives from 97 countries debated on how to strengthen **the voice of regions and rewrite a social contract to confront the future.**



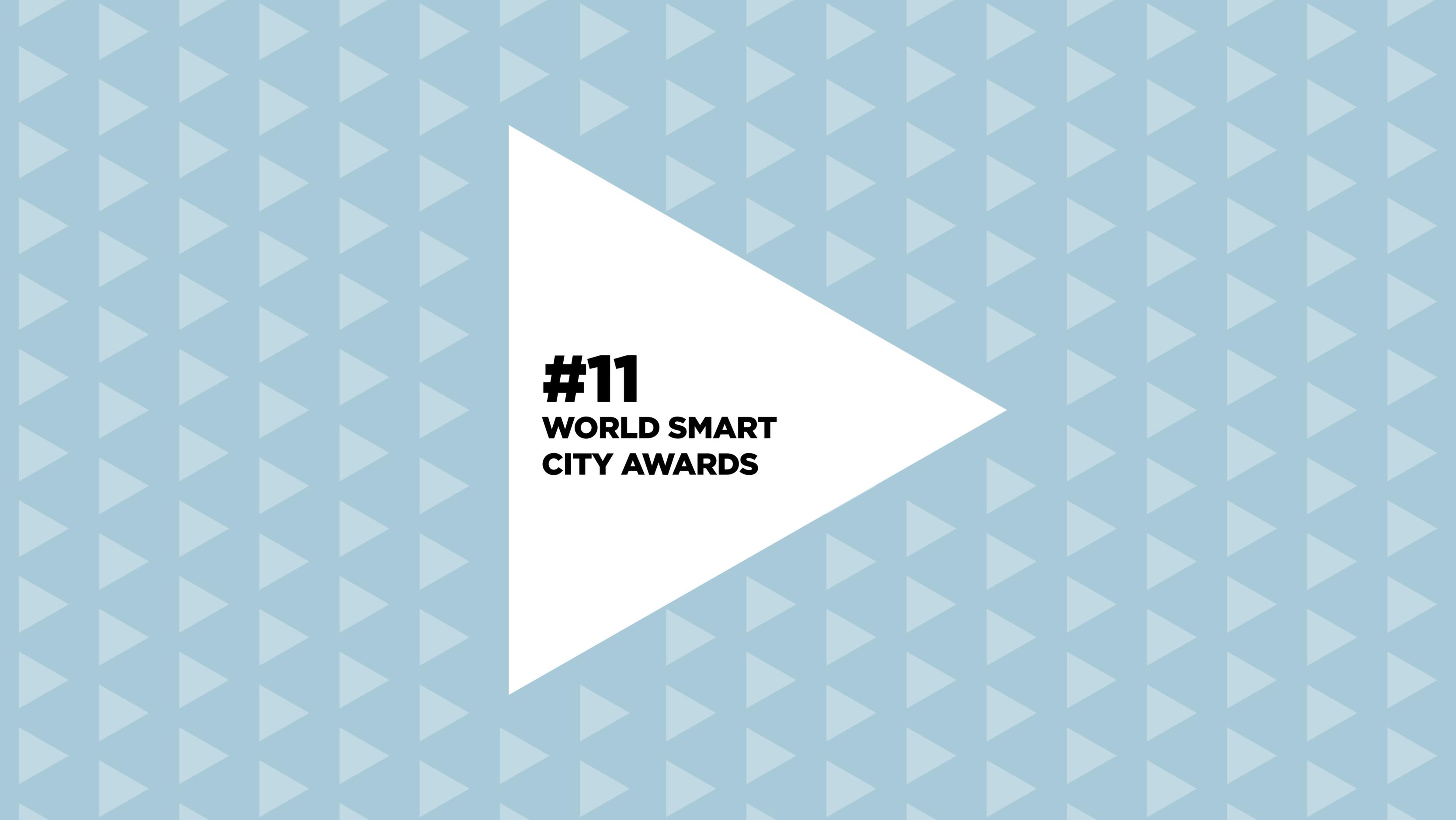
# ACTIVITIES

## BROKERAGE EVENT

The Brokerage Event returned to the Smart City Expo World Congress with industry leaders and public stakeholders supporting the most innovative business ideas. The 8th edition of the Smart City Brokerage Event was hybrid, combining onsite and online B2B meetings.

Organized by ACCIÓ, a department of the Catalan Government's Ministry of Enterprise and Labor, with the support of the Enterprise Europe Network, the largest business support network worldwide, this side event gathered 614 participants who set up 863 meetings to discuss projects and collaborations. Participants had an international profile, coming from countries such as Belgium, Germany, Iran, the Netherlands, and Turkey.





**#11**  
**WORLD SMART  
CITY AWARDS**

# AWARDING INNOVATIVE IDEAS

In these challenging times, with climate change accelerating, smarter, inclusive, and more sustainable cities have become a pressing need for a better future. The 11<sup>th</sup> edition of the **World Smart City Awards** celebrated the most innovative ideas and projects nurturing sustainable development in urban areas around the world. These initiatives helped areas cope with the unforeseen circumstances created by both the COVID-19 pandemic and climate-related disasters, enhancing quality of life.

This year, awards were given in **eight different categories** covering key smart cities issues, as well as **a new category recognizing significant contributions from contemporary professionals**:

- **City Award:** Awarded to cities for developing global strategies combining projects, initiatives, and policy implementation for their citizens.
- **Innovation Recovery Award:** Awarded to projects with the potential to contribute to the successful transformation, adaptation, or response of our cities to the Covid-19 pandemic, or others that may occur in the future.
- **Leadership Award:** Awarded to exemplary living individuals who have made significant contributions to advancing smart cities projects worldwide during the last 10 years.
- **Enabling Technologies Award:** Awarded to the most innovative and successful projects developed in the fields of data and technology.
- **Governance & Economy Award:** Awarded to the most innovative and successful projects implemented and developed in the fields of governance and finance.

- **Living & Inclusion Award:** Awarded to the most innovative and successful projects implemented and developed in relation to inclusive and sharing cities.
- **Energy & Environment Award:** Awarded to the most innovative and successful projects implemented in relation to energy and sustainability.
- **Safety & Security Award:** Awarded to the most innovative projects implemented in relation to security and safety in urban environments.
- **Mobility Award:** Recognizes the most innovative and successful projects addressed at improved urban mobility.

The winners were selected from among projects submitted from **46 different countries**. All candidates were evaluated by a panel of prominent experts based on innovation, potential impact, and feasibility.

The winners were announced on November 17 at a ceremony that attracted both onsite and online participants from the public and the private sectors, putting the awarded projects in the spotlight on a recognized international platform and in front of a large, diverse audience.

## 2021 WINNERS

### ENABLING TECHNOLOGIES AWARD

Digital Urban European Twins, Digital Flanders Agency (Belgium).

Forging a new era of decision making in cities: the case of DUET.

DUET was recognized because it leverages the concept of digital twins to advance urban planning in smart cities. Its interoperable platform helps local stakeholders improve both operational decisions and long-term policy planning. The solution is being co-created with policy makers and citizens in three locations in Europe.



### GOVERNANCE & ECONOMY AWARD

World Economic Forum.

The G20 Global Smart Cities Alliance on Technology Governance.

The G20 Global Smart Cities Alliance was recognized for uniting governments, private-sector partners, and citizens around principles for the responsible use of smart city technologies. The Alliance establishes global policy norms to accelerate best practices, mitigate risks, and foster openness and public trust.



## 2021 WINNERS

### LIVING & INCLUSION AWARD

#### Chengdu Municipal People's Government (China).

Innovative implementation of online governance for creating a smart city.

Chengdu was awarded for online governance focused on key areas such as government services, operations, public services, risk prevention and control, industrial development, optimizing and re-engineering business processes, improving the quality and efficiency of urban services, governance, and development to create a pan-city of wisdom, livability, and tolerance.



### ENERGY & ENVIRONMENT AWARD

#### City of The Hague (Netherlands).

Living Lab Scheveningen: the urban innovation testbed.

The Living Lab Scheveningen is a digitally connected urban environment where digital innovations are applied in the public space to help solve complex societal challenges together with citizens, businesses, and the public sector. The project was recognized as it aims at creating a sustainable, safe, and pleasant living environment.



# 2021 WINNERS

## SAFETY & SECURITY AWARD

**Albuquerque Bernalillo County Water Utility Authority (USA).**

Desert water utility authority future-proofs infrastructure with IoT and cybersecurity.

The Albuquerque Bernalillo County Water Utility Authority was recognized for being prepared to confront cyberattacks on its critical infrastructure with a modernized network, IoT technologies, and security solutions, ensuring operators see everything from changes in water conditions to cyber and physical threats.



## MOBILITY AWARD

**Port de Barcelona (Spain).**

Smart Mobility Analytics (SMA): A solution for handling mobility in a passenger cruise terminal.

The Port de Barcelona was recognized for its SMA solution, which is an Intelligent Mobility System based on cameras and AI logic that provides real-time information to all stakeholders managing transport flows, thus reducing traffic congestion (people and vehicles) at the terminal during the landing operation.



# 2021 WINNERS

## RECOVERY INNOVATION AWARD

**Wuhan Municipal People's Government (China).**

Smart City empowers Wuhan's revitalization after COVID-19, spurring innovations for megacity governance.

Wuhan was recognized for spurring innovations for smart governance. As one of the first batch of pilot cities for smart cities in China, Wuhan, based on the new generation of information technology, continuously promotes the wide application of big data intelligence in urban governance, and promotes economic recovery & urban development after the pandemic.



## LEADERSHIP AWARD

**Carlos Moreno**, Associate Professor & Scientific Director – Paris 1 Sorbonne University

**Benedetta Tagliabue**, Architect & Director, Miralles Tagliabue EMBT

Carlos Moreno was recognized for his 15-Minute Cities vision and for bringing new perspectives to addressing urban challenges.

Benedetta Tagliabue was honored for bringing beauty and liveability to cities through the redesign of public spaces and urban buildings.



# 2021 WINNERS

## CITY AWARD

City of Buenos Aires (Argentina).

Buenos Aires was honored for its Integrated Municipal Solid Waste Management Plan, developed starting in 2012 to promote waste reduction and encourage waste segregation, thereby reducing waste disposal in local landfills. The main goal is to develop circular economy models for each waste current.



**#12**  
**EDITIONS**  
**ABROAD**

## LOCAL EDITIONS AROUND THE GLOBE

The Smart City Expo is a worldwide, ever-growing movement. Since 2013, the event has expanded from its home base in Barcelona to cities all around the world, with local events adapted to the specific needs and interests of their host regions.

In 2021, Smart City Expo celebrated spin-off events in **Mérida (Mexico)** and **Shanghai (China)**, pointing the way to a new normality.



### SMARTCITY EXPO LATAM CONGRESS

**October 5-7, Mérida**  
**October 12-14, Online**

The 6<sup>th</sup> onsite edition of the [Smart City Expo Latam](#) Congress was held October 5-7 at the Centro de Exposiciones Siglo XXI in Mérida, Yucatán, México. The event, which also

featured an online program that lasted until October 14, was organized by the Smart City Expo World Congress and Fira Barcelona México and hosted by the Government of the state of Yucatán. With the motto REthink, REactivate, REbuild, the three-day conference and expo focused on work and established alliances for the resilience and reactivation of Latin America.



### SMARTCITY EXPO SHANGHAI

**October 14-15, Shanghai**  
**With virtual support from Tomorrow.City**

The Chinese spin-off event of the Smart City Expo World Congress celebrated its second edition in the

city of Shanghai on October 14-15. Organized by the SCEWC, Fira de Barcelona and INTEX, with the support of CCPIT, the two-day conference and expo took place in the Shanghai Postal Museum.

With the motto The Smart is Rising, Smart City Expo Shanghai presented an open and sustainable platform where global smart city projects and the future trends of many cities were showcased, promoting innovative thinking and development.

Regional experts, academics and industry leaders joined the event to share their knowledge, with technological innovation to improve cities, benefit people from all countries, share opportunities and create a better future for all.

In 2022, Smart City Expo will continue expanding with local editions taking place around the world.

# SMARTCITY

EXPO **CURITIBA**

March 2022  
Curitiba, Brazil

# SMARTCITY

EXPO **DOHA**

March 2022  
Doha, Qatar

# SMARTCITY

EXPO **LATAM CONGRESS**

June 2022  
Merida, Mexico

# SMARTCITY

EXPO **USA**

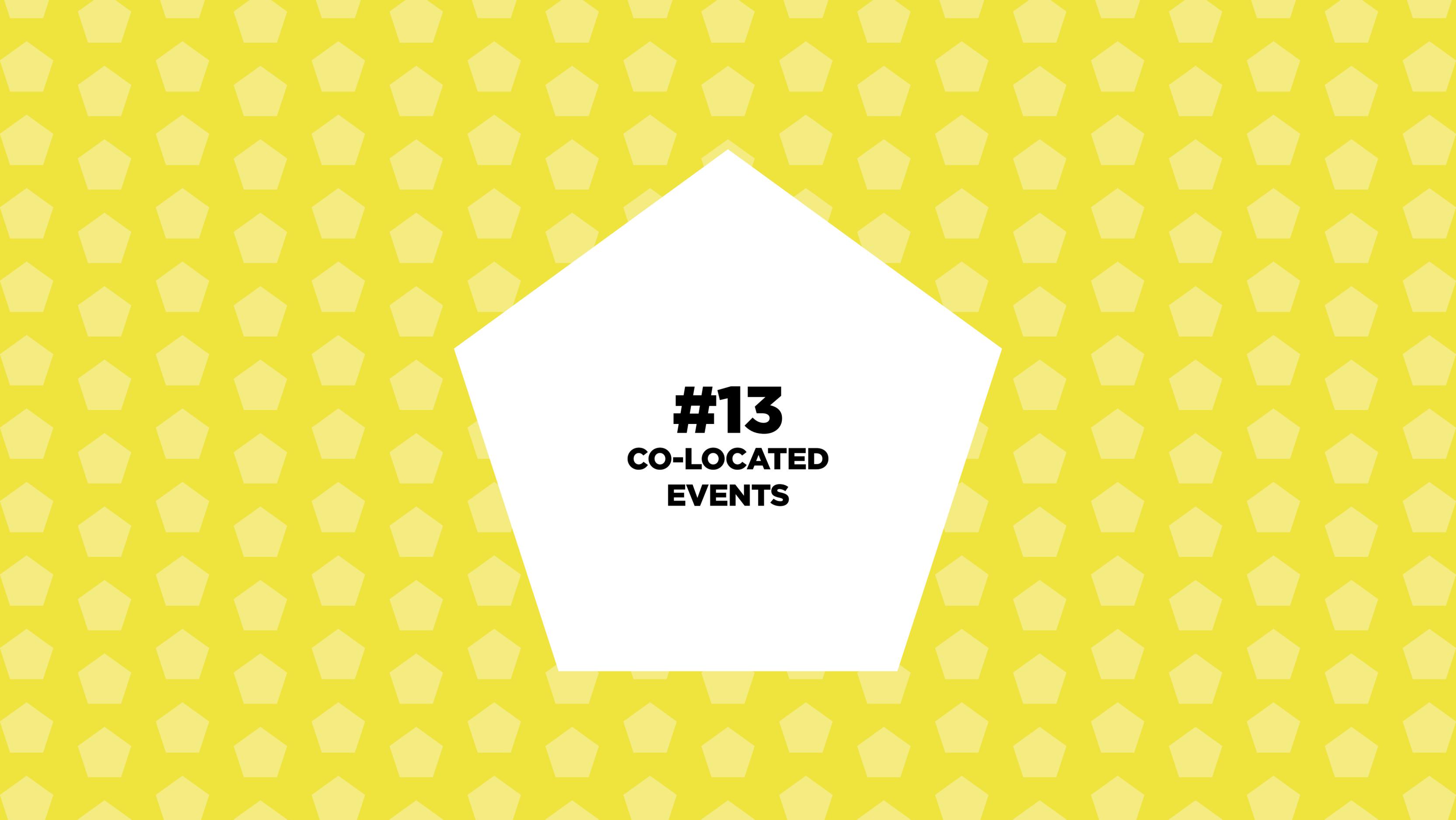
September 2022  
Miami, USA

# SMARTCITY

EXPO **SHANGHAI**

October 2022  
Shanghai, China





**#13**  
**CO-LOCATED**  
**EVENTS**

# PUZZLE X™

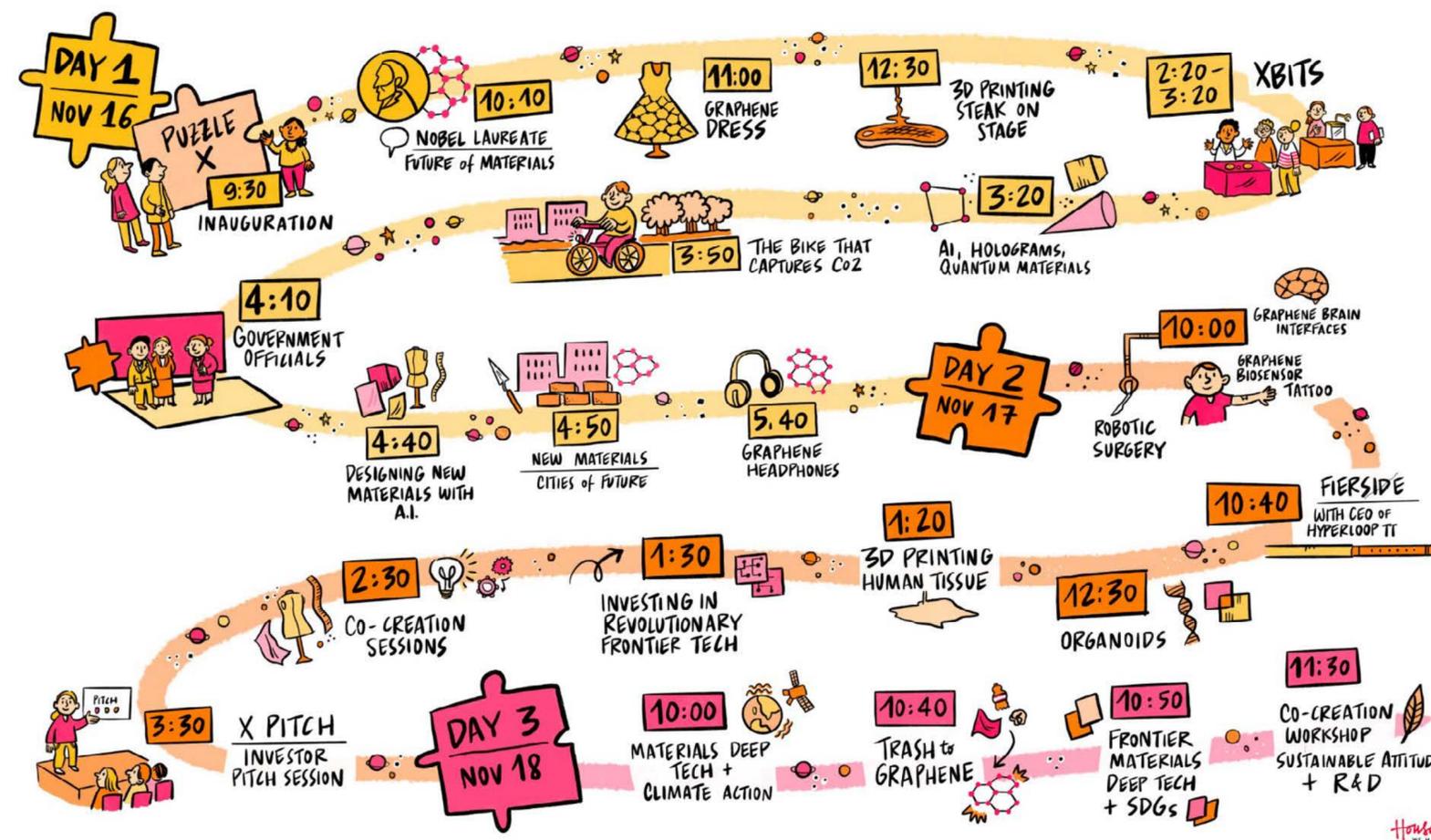
16 - 18 NOVEMBER

Puzzle X was the first event convened to bridge the world of Frontier Materials, societal impact, entrepreneurship, venture building, corporate innovation, bleeding-edge material science and the United Nations Sustainable Development Goals to facilitate the use of the materials of the future to help our world today.

The forum discussed what the Frontier Materials of the 21st Century are and how they will transform industries, create new ones, and change the shape of human life in the next few decades.

The thought-provoking debate touched on what Frontier Materials are doing for sustainable cities, climate action, and innovation for good health, and dove deep into the role of carbon and whether it is the enemy, light weighting and fuel reduction, carbon capture and the heavy cost of data and supercomputing, carbon circularity, IOT, recycling, sanitation innovation, and ultra-precise machine-brain interfaces, implants and next-gen sensors and diagnostics.

## PUZZLE X™ | 2021 Journey Map!





## 15 - 18 NOVEMBER

**Circular Economy Hotspot** is the annual event where cross-sectoral delegates and companies from all over the world meet to discuss the most pressing issues and solutions pushing the circular economy forward. Previously held in the Netherlands, Luxembourg, Scotland and Belgium, the event combined guided tours of local companies and a Congress delving deep into the current state of the circular economy in Catalonia and Europe.

**The Brokerage event**, which took place within the framework of the Smart City Expo World Congress, was a unique opportunity to create global synergies and promote the circular economy in all sectors.

The Circular Economy Hotspot in Catalonia event also strengthened the **Circular Catalonia hub**, a meeting point for companies, institutions, and people ready to implement solutions and strategies to consolidate the circular economy in the region.





**#14**  
**SHARING**  
**EXPERIENCES**



“We cannot live without international cooperation, international solidarity, international law, especially in the current global scenario.”

**Maria Fernanda Espinosa,  
Former President, UN General  
Assembly**



“We are at a pivotal moment of recovery. We need people-centered smart cities.”

**Maimunah Mohd Sharif,  
Executive Director, UN-Habitat**



“Data can be the new gold if it’s unlocked, which is a matter of trust.”

**Jan Jambon,  
Minister-President, Government of  
Flanders**



“Next Generation funds are a huge opportunity at a much-needed time. Cities can contribute to ensure that they are used where they are needed to achieve the green transition and the digital transition, the Green New Deal.”

**Ada Colau,  
Mayor, City of Barcelona**

“It’s a collective success that after the shock of the COVID pandemic we meet to celebrate the 10<sup>th</sup> anniversary of the Smart City Expo World Congress.”

**Jaume Collboni**  
**First Deputy Mayor, City of Barcelona**

“This is the one place we get to do it every year, where we have the top conversations.”

**Cassie Roach**  
**VP, Global Public Sector, Cisco**

“This event brings public, private and civil society together. If you’re looking for a smart city event, this is the one you should make the time for.”

**Jeremy Goldberg**  
**Worldwide Director Critical Infrastructure, Microsoft**

“The SCEWC is a super important in-person event to create relationships and collaborations that drive inclusive solutions.”

**Miguel Gamiño**  
**Executive VP, Head of Global Cities, Mastercard**

“Let’s make our citizens happier by making our cities smarter.”

**Jordi Puigneró, VP and Minister of Digital Policies & Public Administration,**  
**Government of Catalonia**

“What if your outside space was as safe as your home? The outside space should provide this beautiful, secure attitude. It’s a very focal point to make our cities better.”

**Benedetta Tagliabue**  
**Architect & Founder, Miralles Tagliabue EMBT**

“Technology is a critical underpinning to make the economy green, inclusive and resilient. It’s critical for helping the post-COVID recovery.”

**Sameh Wahba**  
**Global Director, Disaster Risk Management, Resilience and Land Global Practice,**  
**World Bank**

“There are no beautiful or ugly cities. There are cities that are fair and cities that aren’t.”

**Gissela Chalá**  
**Vice Mayor, City of Quito**

“Cities are the link between Europe, the States and making things happen.”

**Francesca Bria**  
**President, Italian Innovation Fund**



16-18 NOVEMBER 2021

ONLINE AND AT BARCELONA CITY

www.smartcityexpo.com

#SCENC21 @in@you

# WE ARE THE CITIES WE MAKE

CITIES NEED TO LEAD THE WAY!

EMPOWERING CITIZENS & ENABLING MORE EFFICIENT & INCLUSIVE URBAN SERVICES.

# SMARTCITY EXPO WORLD CONGRESS

10 YEARS LEADING THE URBAN REVOLUTION

REFLECTING ON HOW TO BUILD A SMART SOCIETY FOR INNOVATIVE & SUSTAINABLE CITIES SINCE 2011...

YOUR HELP/ACTION CAN MAKE A DIFFERENCE. EVERY SMALL ACTION MATTERS. WE CAN GO FURTHER ONE MORE TIME!

★ GAME-CHANGERS ON STAGE

LEADING BY EXAMPLE

MEANINGFUL

USEFUL

## TOWARDS ZERO WASTE

CONNECT SOLUTION-SEEKERS WITH SOLUTION-PROVIDERS

WORLD-RENOWNED AUTHORITIES & URBAN LEADERS SHARE THEIR VOICES HERE!

STRENGTHENING THE SMART COMMUNITY AND SHARING/SPREADING THE WORD!



DEVELOPING A GROUND-BREAKING MODEL OF ADVOCACY FOR A BETTER URBAN WORLD.

EXPO: A THREE-DAY EVENT WITH A MARKETPLACE WHERE HUNDREDS OF GLOBAL COMPANIES & ORGANIZATIONS CAN ENGAGE WITH WORLDWIDE PROFESSIONAL ATTENDEES AND SHOW THEIR PROJECTS & SOLUTIONS.

CONGRESS: INTERNATIONAL EXPERTS COME TOGETHER TO SHOW THEIR INSIGHTS AND LEARN BEST PRACTICES BOTH ONLINE AND



ATTENDEES

IN PERSON 14,934

ONLINE 21,210



EXHIBITORS

452



SPEAKERS

+ 350



COUNTRIES

120



SIDE EVENTS

81



## BARCELONA

SUSTAINABILITY AND INCLUSIVITY AT THE CORE OF THE EVENT

## TOWARDS INCLUSIVITY

- DISABILITIES:**
  - Electric scooters available for people with reduced mobility.
  - Full accessibility in all areas.
  - Guided tour for people with visual impairment.
  - Reserved spaces for wheelchairs & electric scooters.
- GENDER:**
  - Increasing equal gender representation at the congress.
  - Specific congress sessions about gender equality.
- BELIEFS:**
  - Dedicated prayer rooms adapted to variety of lunch menus (all needs, kosher, veggie/vegan).
- LANGUAGES:**
  - Simultaneous translation to Spanish in the congress rooms.
- BABY CARE:**
  - Nursing room with diaper changing units.



NO SINGLE-USE PLASTICS

ALL DRINKS FOR SALE ARE IN GLASS CONTAINERS. OUR CATERING MENUS AVOID PLASTIC CUTLERY AND PACKAGING.



CARBON NEUTRAL

ALL CO<sub>2</sub> EMISSIONS GENERATED BY THE EVENT ARE OFFSET BY BUYING VERIFIED EMISSION REDUCTIONS CARBON CREDITS. YOU CAN OFFSET THE CARBON FOOTPRINT RELATED TO YOUR PARTICIPATION AT THE EVENT VIA THE CLEAN CO<sub>2</sub> PLATFORM.



CIRCULAR VENUE DECORATION

ALL VENUE DECORATION IS CARRIED OUT USING CIRCULAR MATERIALS. REUSING THE SAME STRUCTURES TO ADORN OUR MODULAR STAND PACKS.



LESS PAPER

ALL INFORMATION OF THE EVENT IS AVAILABLE IN OUR APP & IN QR CODES INSTEAD OF PRINTED MATERIALS. WE HAVE ELECTRONIC INVITING WITH OUR EXHIBITORS.



REDUCING & RECYCLING

RECYCLING CONTAINERS ARE AVAILABLE WITH A TEAM OF VOLUNTEERS HELPING WITH WASTE SELECTION.



NO FOOD WASTE

LEFTOVER FOOD IS DONATED TO THE NGO NUTRITION WITHOUT BORDERS.

## Fira Barcelona

WE BUILD CITIES BUT THE CITIES BUILD US, TOO!

- DOHA** MARCH 2022
- CURITIBA** MARCH 2022
- LATAM CONGRESS** JUNE 2022
- SHANGHAI** OCTOBER 2022

## 2021 ABROAD EDITIONS

## MAIN TOPICS:

- ENABLING TECHNOLOGIES**
  - Artificial Intelligence
  - Internet of Things
  - 5G and WiFi (6G)
  - Cloud Computing
  - Big Data / VR & AR
  - Digital Twins
- ENERGY & ENVIRONMENT**
  - New Energy Models
  - Food & Agriculture
  - Climate Emergency
  - Cleantech
  - Waste & Water Management
- GOVERNANCE**
  - Multi-stakeholder
  - PPP
  - Cross Sector Governance
  - Citizen Engagement
  - Alliances & Co-creation
- LIVING & INCLUSION**
  - Social Inclusion
  - Future of Education & Work
  - Health
  - Cities for All
  - Housing
- ECONOMY**
  - Financing Schemes
  - Economic Models
  - Institutional Protection
  - Talent Attraction
  - Innovation Ecosystems
  - City to City Cooperation
- INFRASTRUCTURE & BUILDINGS**
  - Smart Buildings
  - Sustainable Construction
  - Innovative Materials
  - Critical Infrastructures
  - Digital Twins & Urban Planning
- SAFETY & SECURITY**
  - Cybersecurity
  - City Ethics & Privacy
  - Urban Safety
  - Data Security
  - Digital Rights
  - Emergency Response
- TOMORROW MOBILITY WORLD CONGRESS**
  - Micro Mobility
  - Public Transport
  - Automotive
  - Mobility Service Providers
  - Smart Infrastructures
  - Last Mile & E-Delivery

## SIDE EVENTS & ACTIVITIES:

A CURATED LIST OF EVENTS AND WORKSHOPS, INCLUDING DIGITAL SESSIONS, THAT BROADENS THE MAIN PROGRAM AND GIVES ANSWER TO SPECIFIC CHALLENGES.

TAKE A LOOK BACK TO OUR PREVIOUS EDITIONS AT OUR DIGITAL CHANNELS.

SEE YOU NEXT YEAR!

## SMARTCITY LIVE 2020

BY SMART CITY EXPO WORLD CONGRESS

# 2020

WITH +80 SESSIONS AND HUNDREDS OF INSPIRING SPEAKERS YOU CAN VIEW THE BEST OF THE SESSIONS ON DEMAND ONLINE.

START

Smart society for innovative and sustainable cities

# Smart thinking

# 2011

# 2012

Solutions



SMART CITIES CHANGE THE WORLD

# 2013

# 2014

Smart city expo WORLD CONGRESS

CHANGE THE WORLD

# 2015

# 2016

CITIZENS CHANGING CITIES

# 2017

EMPOWER CITIES EMPOWER PEOPLE

# 2018

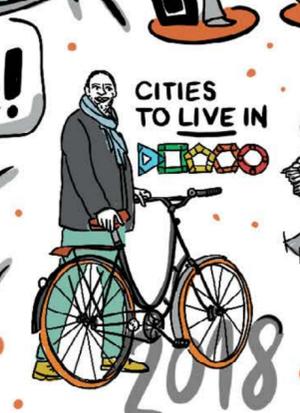
CITIES TO LIVE IN

# 2019

CITIES MADE OF DREAMS



# 2020



# 2021



# 2022

@dbyprp

## **See you next year: November 15-17, 2022**

Meanwhile, watch unique content about smart cities on Tomorrow.City, and don't forget to catch up on discussions on our website and social media.

[www.smarcityexpo.com](http://www.smarcityexpo.com)



# SMARTCITY

EXPO WORLD CONGRESS

Organized by:



# TOMORROW.

# MOBILITY

WORLD CONGRESS

Organized by:

