

REPORT 2023





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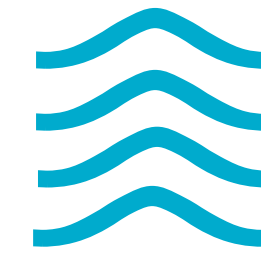
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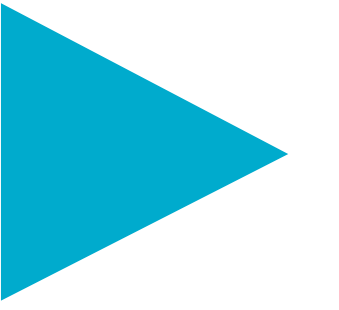
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**SMART CITY EXPO
WORLD CONGRESS**



A NEW URBAN ERA OF INNOVATION AND SUSTAINABILITY



They say that every new beginning comes from some other beginning's end. Or more simply put: the first step towards getting further is deciding you're not going to stay where you are. At SCEWC23, we aimed to go beyond dreams and inspiration to welcoming a new urban era of innovation where cities can navigate the low-carbon transition, the AI breakthrough, inclusive city planning, and the use of Digital Twins to address 'what if' scenarios.

And we did it. Not only by holding the event together with Tomorrow.Mobility World Congress, Tomorrow.Building World Congress and Tomorrow.Blue Economy World Congress -thus hitting the main components cities need to address-, but by registering record-breaking figures.

Over 25,300 attendees from more than 800 cities and 132 countries, 1,106 exhibitors (29.7% more than in 2022). and 577 experts shared the different experiences and strategies being deployed worldwide to tackle the challenges cities are facing. They not only give the sense of the solutions, but more importantly, a sense of hope and a sense of courage as well.

The layout of the event, which was divided into three main areas -the Congress, the Expo and Breakout Sessions- certainly contributed to this goal as, for the first time, part of the Congress discussion took place within the Expo area where more than 150 side events were also organized. Additionally, exhibitors showcased innovative solutions within a market which is expected to reach **2.9 Trillion by 2028**.

The idea that it's time to focus on impactful actions and go beyond policies, that cities' software is in transformation, that the sharing economy needs to find the delicate balance between overregulation and under regulation and that innovation needs collaboration imbued the Congress' sessions where global speakers reflected on viable solutions to design a better tomorrow.

Besides, the Digital Program, featuring interviews and talks with worldwide experts and streamed by the Tomorrow.City platform, complemented the Congress' contents and broadened the discussion.

Moreover, the World Smart City Awards recognized Curitiba for its human approach in developing the smart city and its global strategies combining projects, initiatives, and policy implementations for their citizens. The gala also prized other groundbreaking projects from the four continents.

Barcelona, chosen as the global hub for the smart city joint effort, showed its commitment to build a climate-neutral, competitive, and equitable city by showcasing the latest innovations promoted by the city council and participating in different Congress sessions, beyond the inaugural tour.

The city also promoted the pan-European Meeting of Local Authorities that resulted in the Barcelona Declaration, a document enhancing that Europe needs to place core values at the center of its policy: solidarity, respect of freedoms and justice. The Mayor of Barcelona, Jaume Collboni, led the meeting.

Overall, the 2023 edition of the Smart City Expo World Congress was once again a record-breaking edition where attendees felt great energy and could think on creative solutions for the New Urban Era. The event will return to the Gran Via venue in Barcelona for its 13th edition on 5-7 November 2024.





TRAIN
METRO EUROPA/FIRA

TOMORROW.
MOBILITY ROOM

SPEAKERS
ROOM 2.B

TOMORROW.
MOBILITY
PLAZA

PUZZLE X™

HALL 2
CENTRAL
PLAZA

TV SET

GREEN
ROOM

SPEAKERS
ROOM 2.A

RED ROOM

TOMORROW.
BLUE ECONOMY
PLAZA

INNOVATION
PLAZA

TOMORROW.
BUILDING ROOM

AUDITORIUM

SPEAKERS
ROOM 1

CC1

METRO FIRA

L&F

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HALL 2

HALL 2

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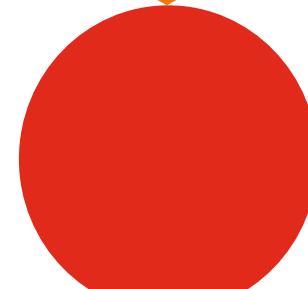
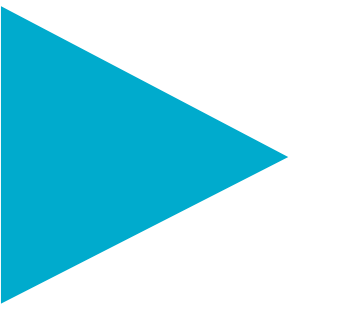
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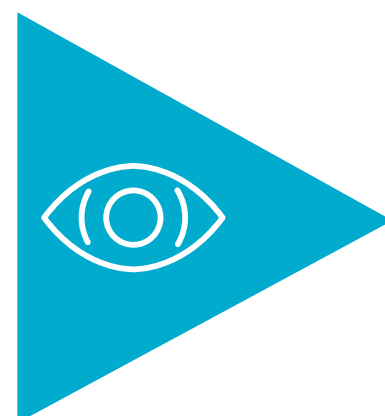
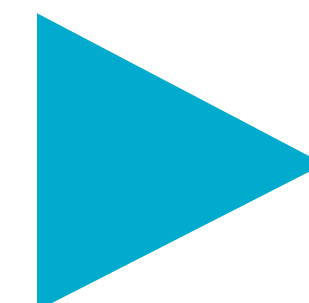
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AN EXCITING RECORD-BREAKING EDITION 2023 FIGURES



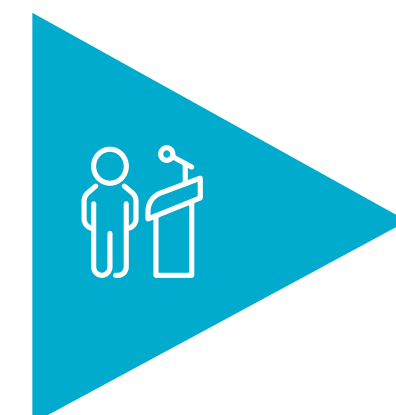
1,106 EXHIBITORS

▲ **30%** more vs. 2022

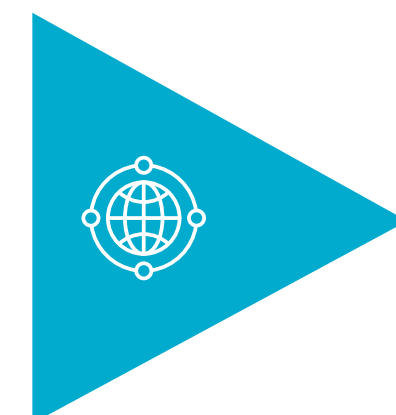
2022 853
2023 1,106



577 SPEAKERS



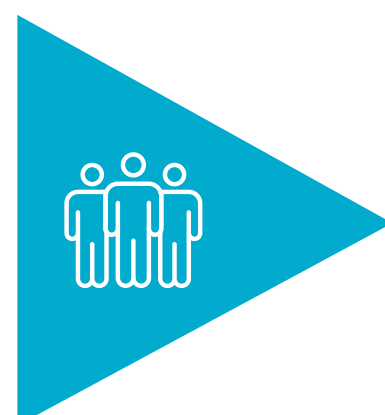
273 SESSIONS



132 COUNTRIES



800+ CITIES



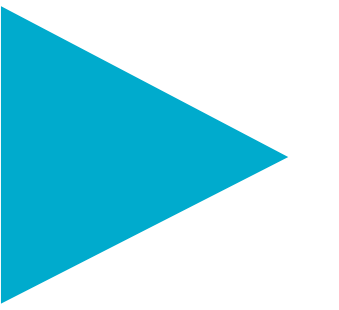
25,300 ATTENDEES

▲ **24%** more vs. 2022

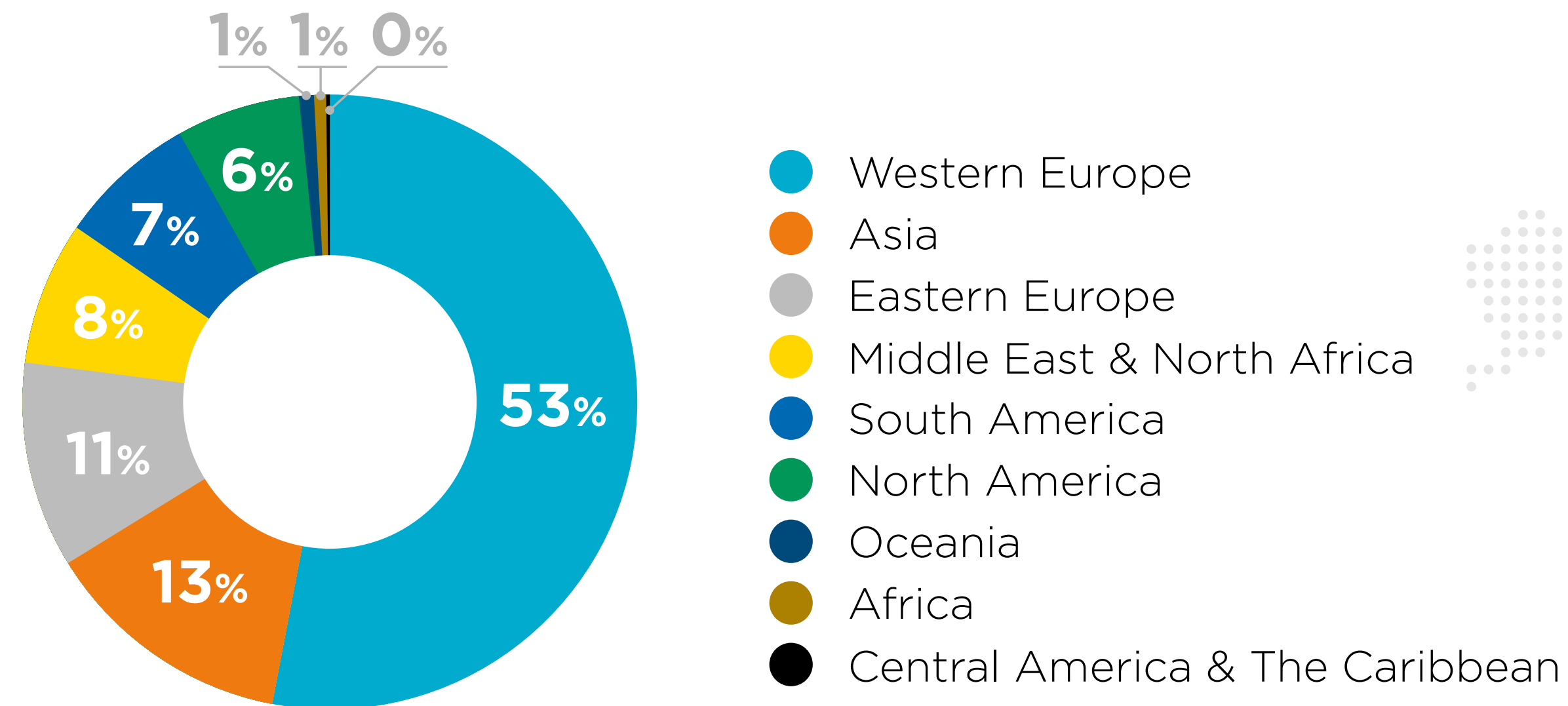
2022 20,423
2023 25,300



A DIVERSE INTEREST IN THE NEW URBAN ERA



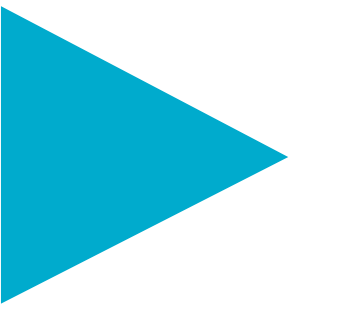
ATTENDEES' PROVENANCE



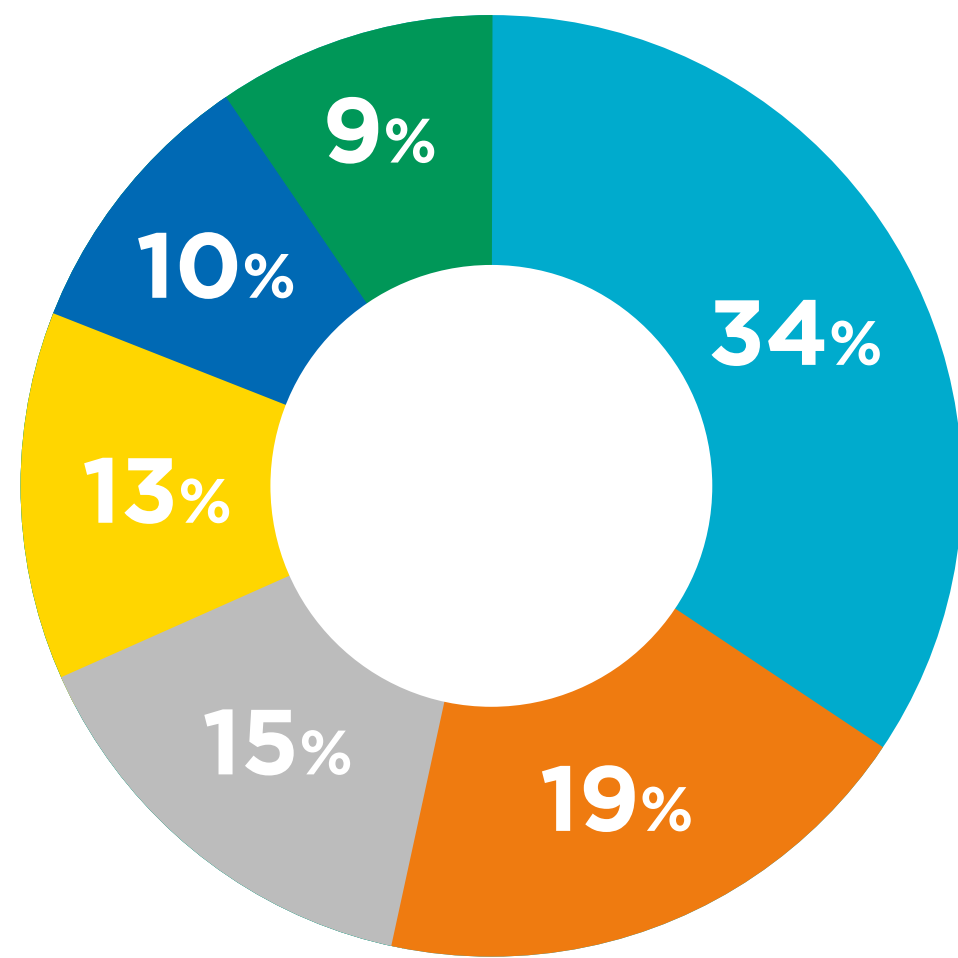
TOP VISITING COUNTRIES



A DIVERSE INTEREST IN THE NEW URBAN ERA

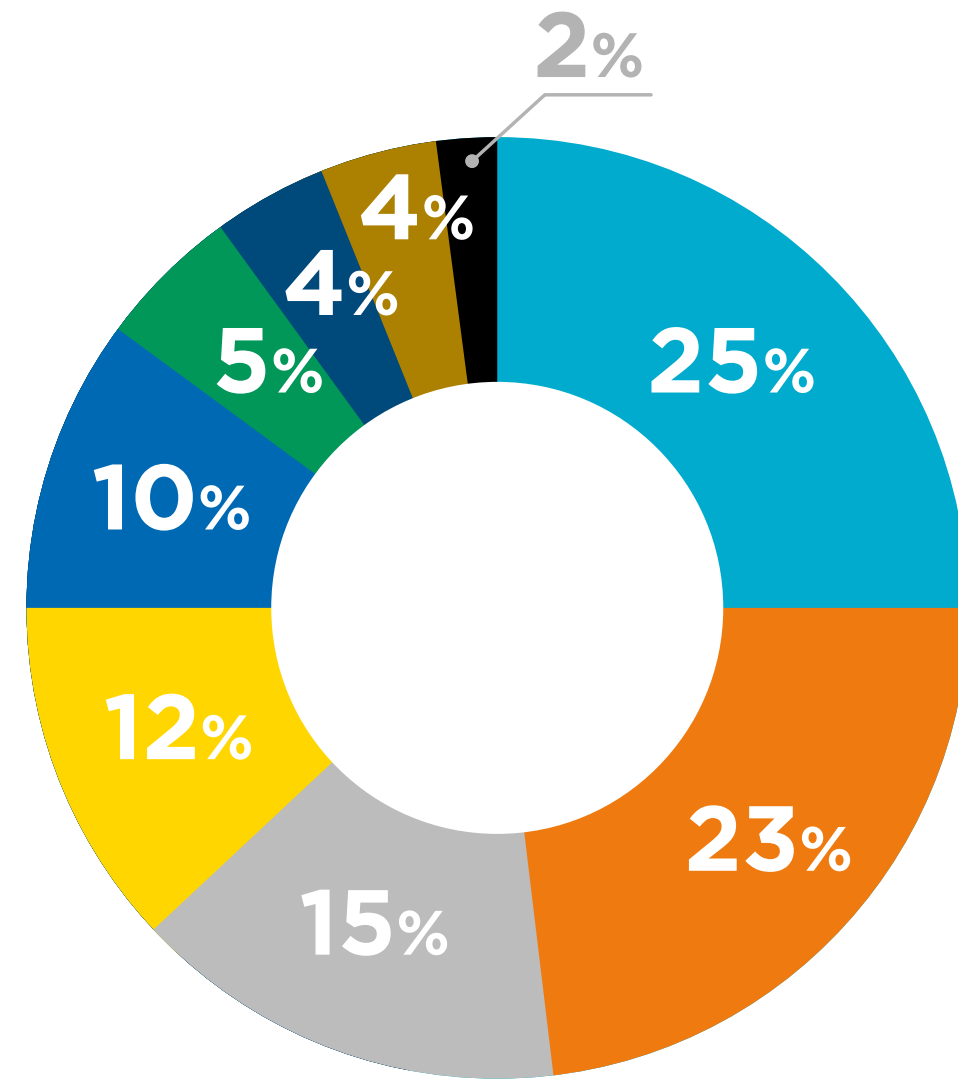


ATTENDEES' JOB FUNCTION



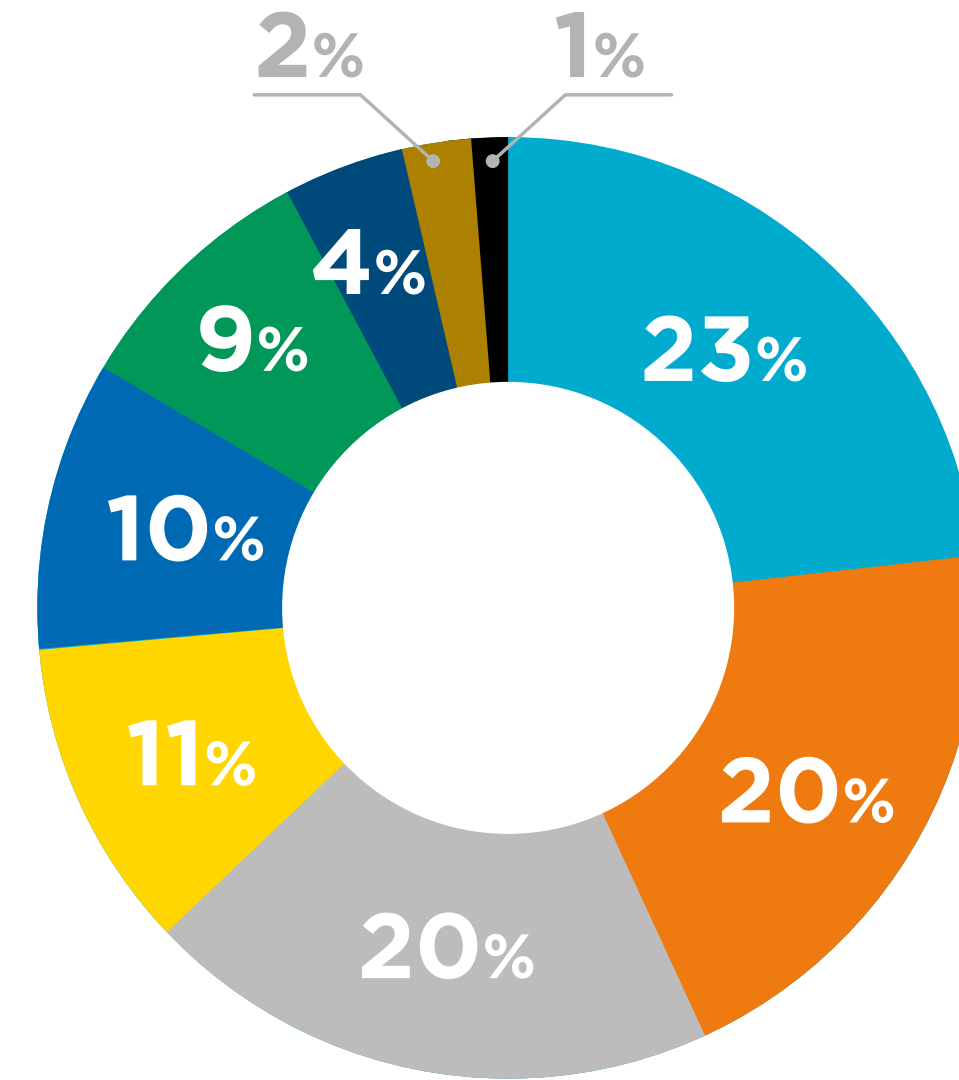
- High Level Management & Top Public Representative
- Senior Manager
- Technical Profile
- Specialist
- Consultant
- Others

ATTENDEES' JOB TOPIC

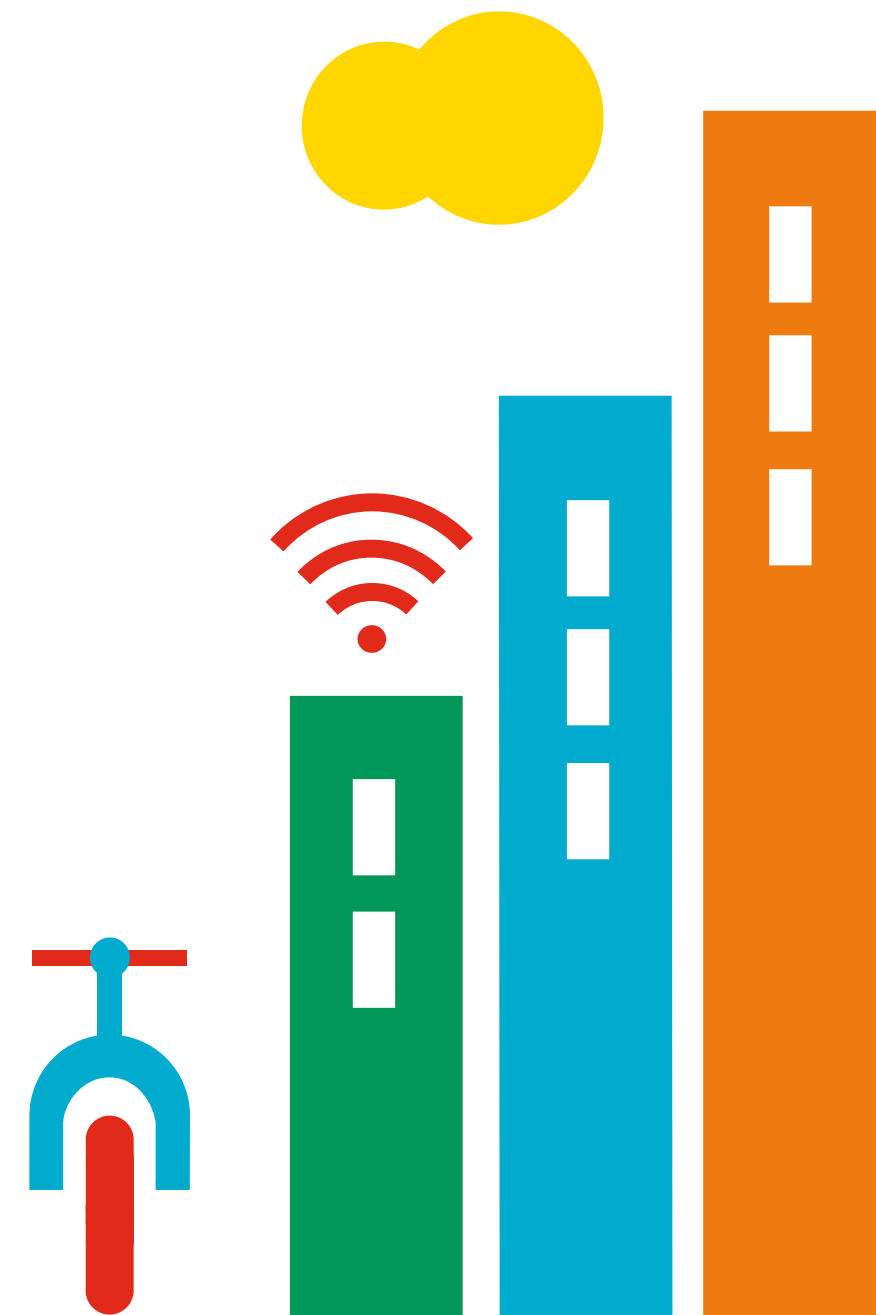


- Mobility
- Enabling Technologies
- Energy & Environment
- Infrastructures & Buildings
- Governance
- Living & Inclusion
- Economy
- Safety & Security
- Blue Economy

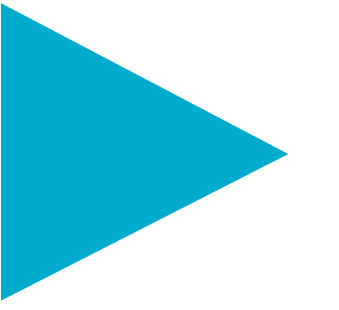
ATTENDEES' ORGANIZATION PROFILE



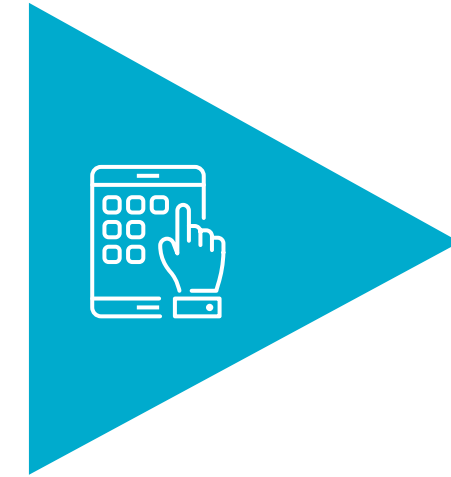
- Governments
- Local Companies & SMES
- Large & Global companies
- Startups
- Institutions & other entities
- Academia
- Inter-governmental organizations
- Media & Culture
- Investors



A GLOBAL WIDE REACH



300+
REGISTERED
PRESS



290K
WEB USERS



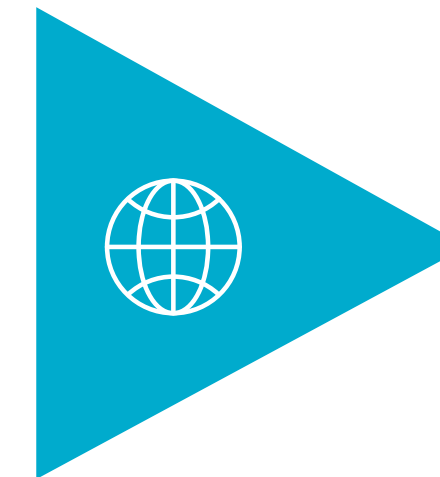
1.2M+
WEB VIEWS



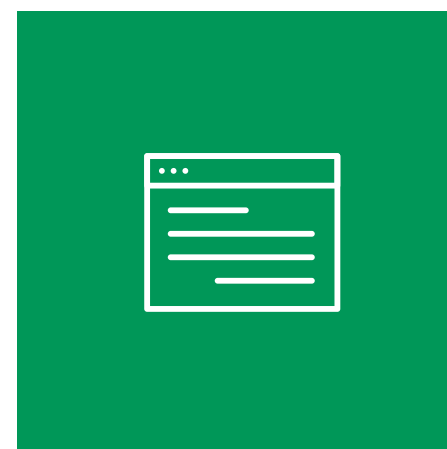
147K+
SOCIAL MEDIA
FOLLOWERS



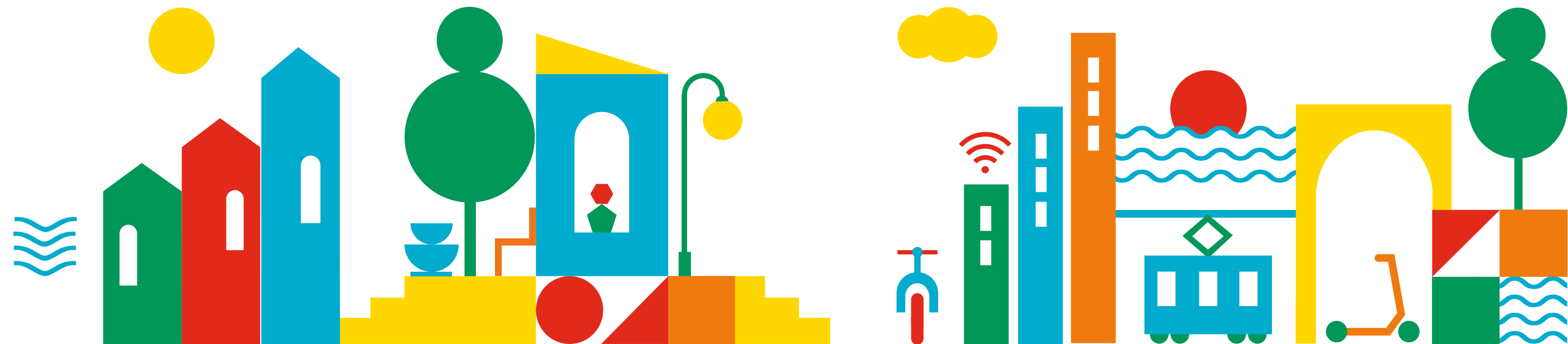
6K
MENTIONS
OF #SCEWC23

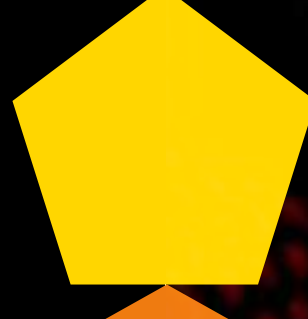
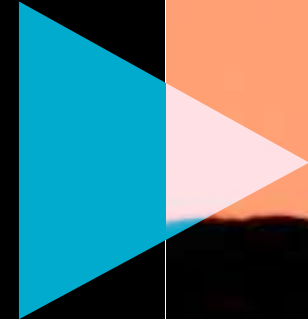
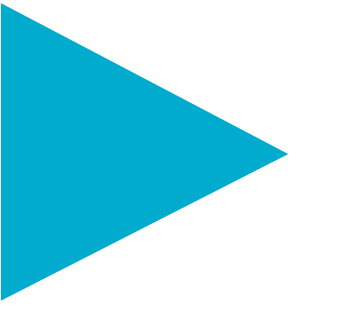


13,2K
EDITORIAL
MENTIONS IN
96 COUNTRIES



54M+
DIGITAL
IMPRESSIONS





2





CORPORATE PARTNERS

GLOBAL PARTNERS

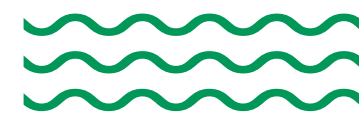


“The Smart City Expo World Congress provides an amazing opportunity for city managers, regulators, service providers, like ourselves, to be involved in a very constructive dialogue and to really understand from a multistakeholder approach how to bring these ideas together to plan, operate and implement smart city projects in cities, and most importantly, on how to fund these projects.”

Hazem Galal
Global Cities and Local Government Leader & Global Smart Mobility Co-Leader | PWC



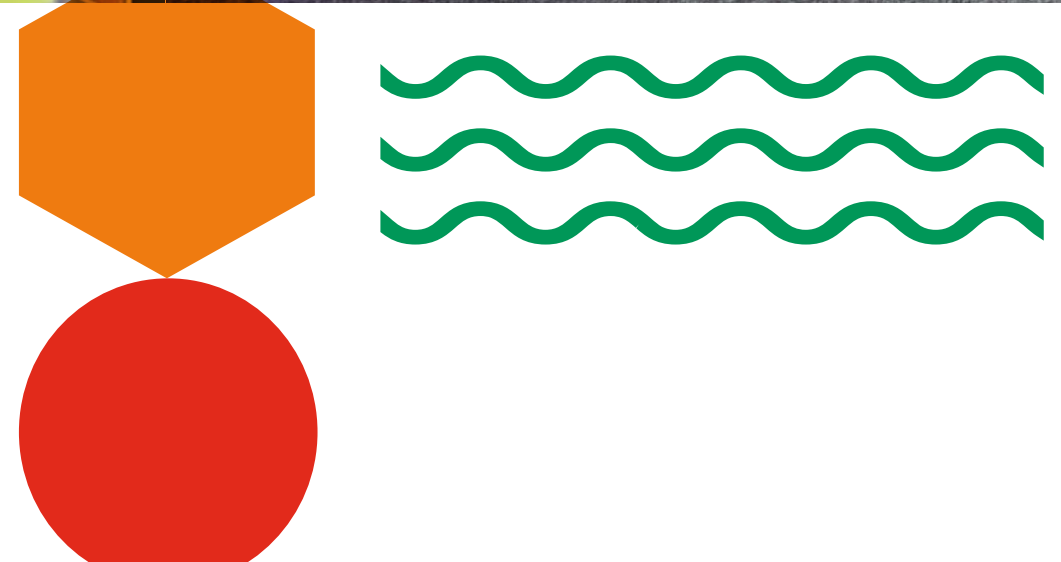
INDUSTRY PARTNERS

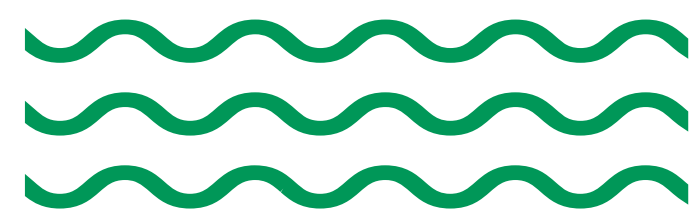


“It’s clear that this event that I have been fortunate to witness since its inception has significantly enriched the global discourse and stands as a global benchmark. It serves as a pivotal forum for networking and idea dissemination.”

Manel Villalante
General Manager of Development and Strategy | Renfe



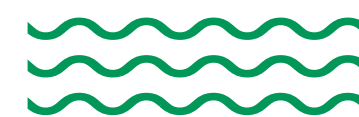




EVENT PARTNERS



SPONSORS



“I think events like the Smart City Expo World Congress can be really helpful. The event brings so many people together to share their experiences and also to share not just what’s possible in the future but really practical examples of what can be done in the area now, so people can take more action.”

Faye Bowser

Vice President Higher Education Vertical | Siemens



HOSTED BY



ORGANIZED BY



ECOSYSTEM PARTNERS



SUPPORTING INSTITUTIONS

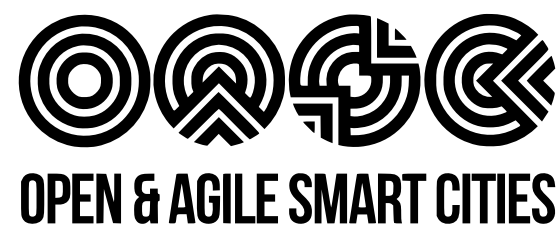


“I’ve been coming for this event for ten years now. And there’s no other place in the world like it. It’s a family at the end of the day! It’s a family that grows each year but also in all the spaces growing, in all the solutions, in all the challenges we’re facing. So, I think it’s an essential place for cities, for anybody who cares about the future of our cities.”

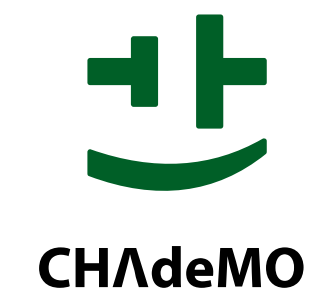
Jeff Merritt
Head of Urban Transformation | World Economic Forum



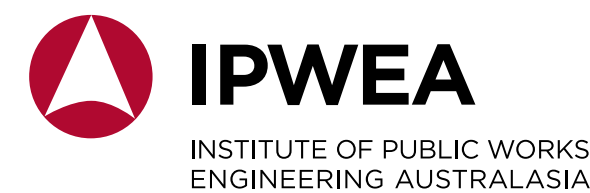
STRATEGIC ORGANIZATIONS



COLLABORATING ORGANIZATIONS



COLLABORATING ORGANIZATIONS

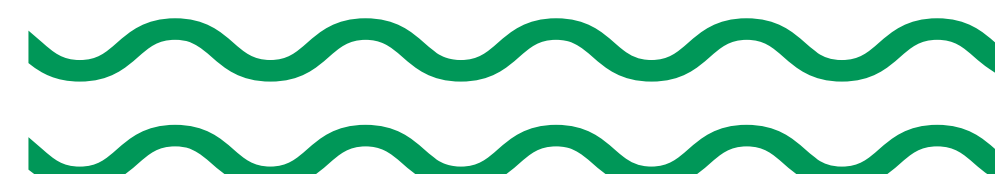


COLLABORATING ORGANIZATIONS

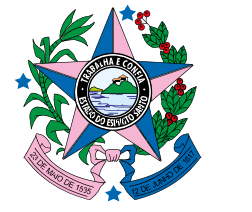


“The Smart City Expo World Congress is a super exciting space. Everyone seems really happy and full of life and things to do. It’s such a creative space with so many ideas rolling around... It’s just been an impactful experience to understand all of the ways things can move forward.”

Margaret Mitchell
Researcher and Chief Ethics Scientist | Hugging Face



RESEARCH & ACADEMIA PLAYERS



PARTNER KIT DIGITAL



SCALE-UP PLAYERS



MEDIA PARTNERS

a&S ADRIA
 Stručni magazin za kompletna sigurnosna rješenja
 The Professional Magazine Providing Total Security Solutions

AMNICK

arch daily

bee smart city

Bright Cities
 UPGRADE YOUR CITY

Cities Today
 Connecting the world's urban leaders

Club GLOBALS

Devidiscourse
 Discourse on Development

de zeen

dpl news

Eco-Business

ENVIA PERU
 GRUPO REVISTA ASESORIA CONVENIOS
 grupoenvia.com

EQUIPAMIENTO Y SERVICIOS MUNICIPALES

facility management services
 REVISTA ESPECIALIZADA EN GESTIÓN DE ACTIVOS Y SERVICIOS

Futuretransport-News

ethic

Eye Of Riyadh

GENERACIÓN IOT

Green Mobility Magazine
 Business

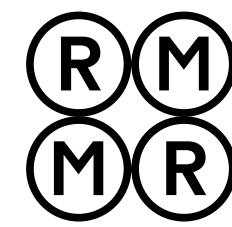
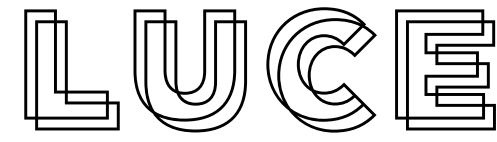
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hospitecnia

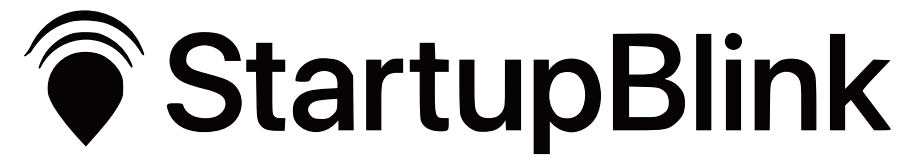
IEBS Digital School



MEDIA PARTNERS



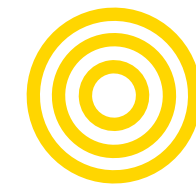
MEDIA PARTNERS

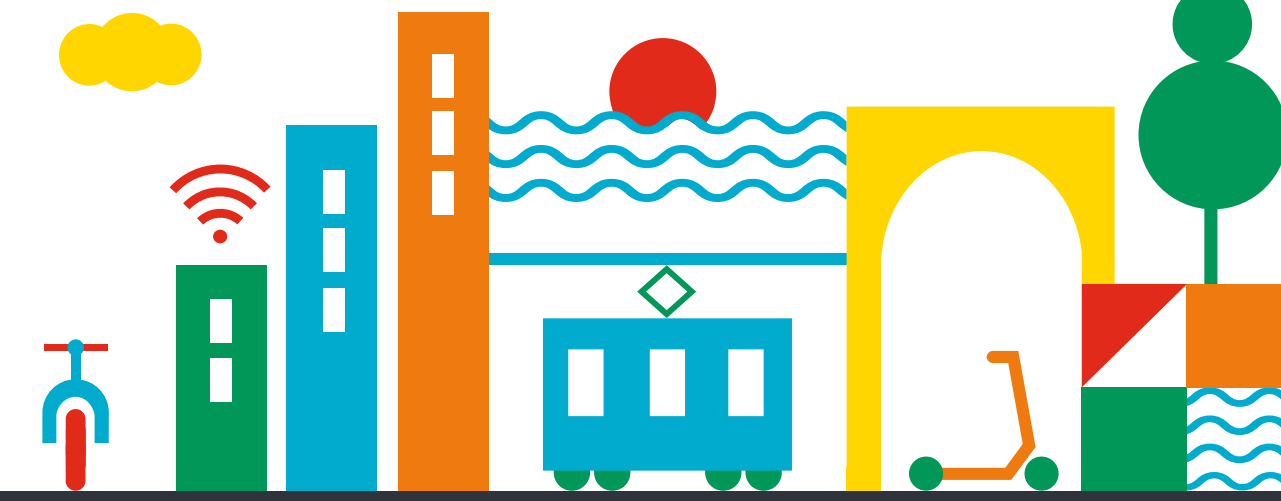


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**THE EXPO: AN AMAZING
PANOPLY OF COMPANIES AND
CITY REPRESENTATIVES**





FLOOR PLAN 2023

SMARTCITY EXPO WORLD CONGRESS

TOMORROW. MOBILITY WORLD CONGRESS

TOMORROW. BUILDING WORLD CONGRESS

TOMORROW. BLUE ECONOMY WORLD CONGRESS

EXHIBITOR LIST

Table listing exhibitors for the Smart City Expo World Congress, categorized by Hall 1 and Hall 2.

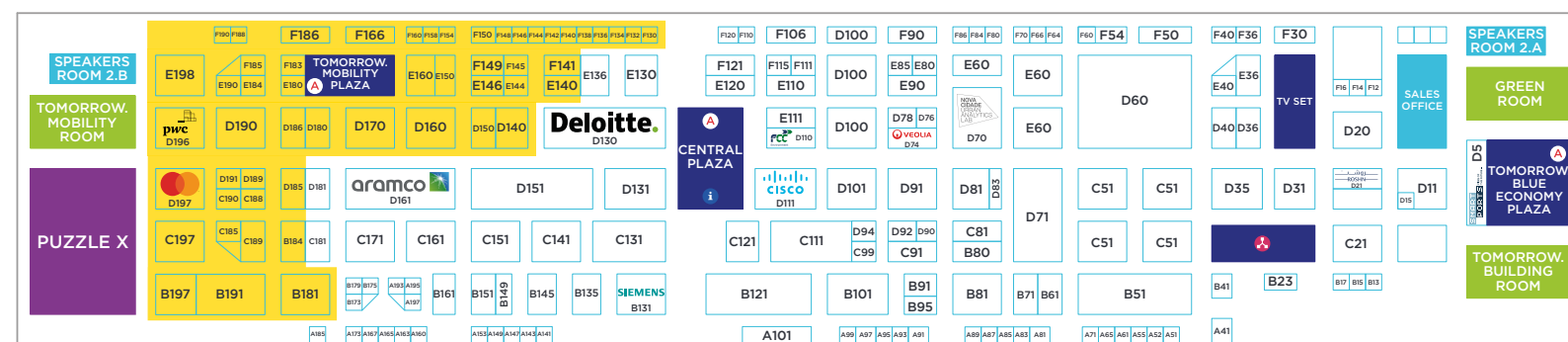


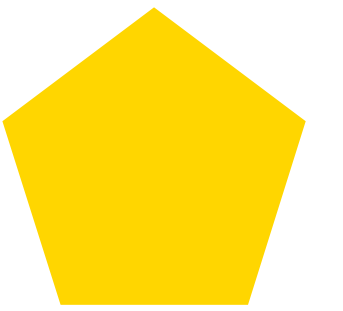
Table listing exhibitors for the Tomorrow Building World Congress, categorized by Hall 1 and Hall 2.

Table listing exhibitors for the Tomorrow Blue Economy World Congress, categorized by Hall 1 and Hall 2.

EXHIBITORS TOMORROW. BUILDING WORLD CONGRESS EXHIBITORS TOMORROW. MOBILITY WORLD CONGRESS

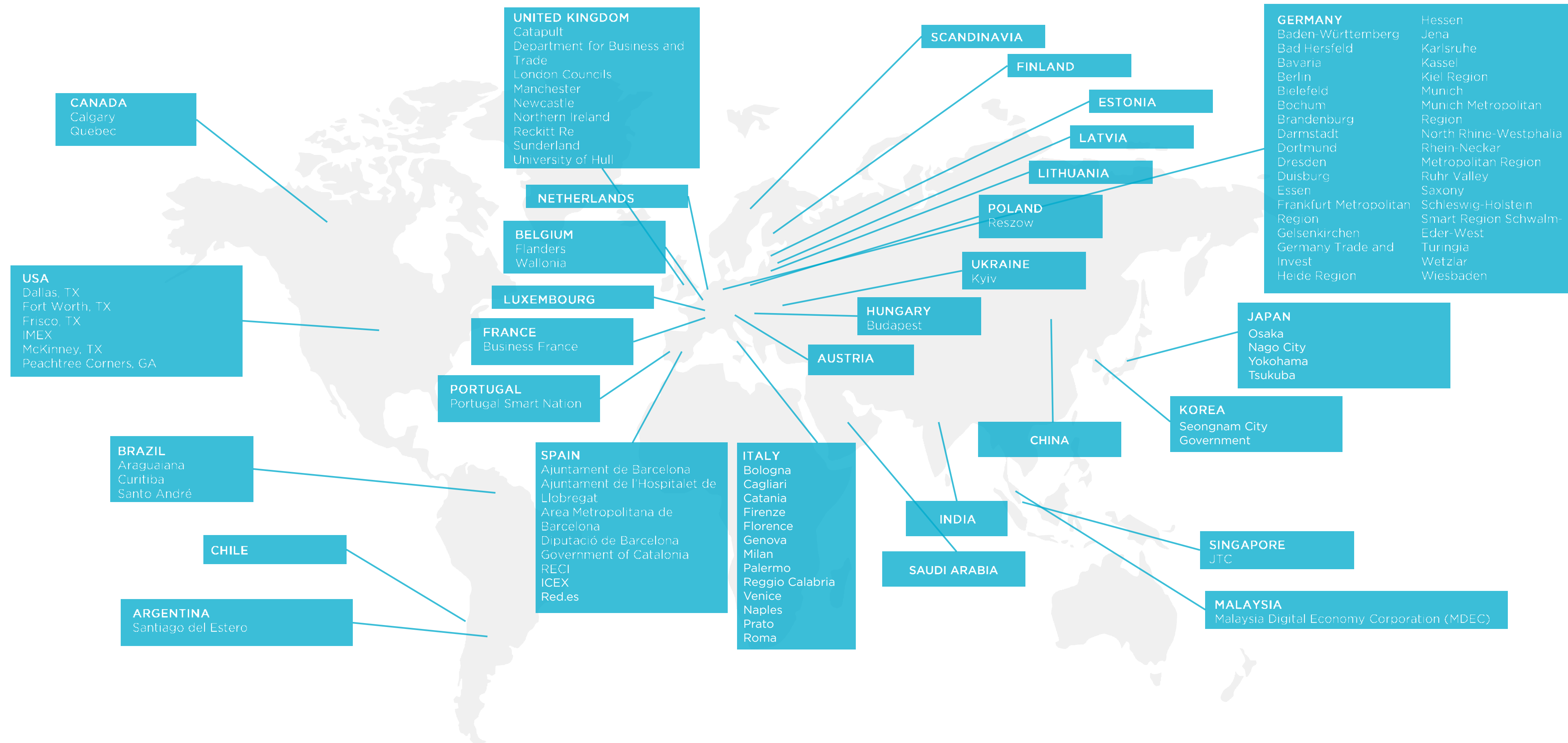


Check the exhibitor list in the event's app



A GLOBAL AND UNMISSABLE MEETING POINT

Nearly 100 cities, regions, and countries built their individual pavilions showcasing their perspectives on implementing smart solutions, endorsing local businesses, and collecting insights from various stakeholders. Delegates orchestrated numerous activities aimed at fostering substantial partnerships and diverse collaborations with global firms and institutions.



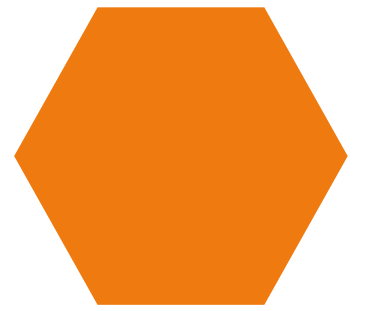
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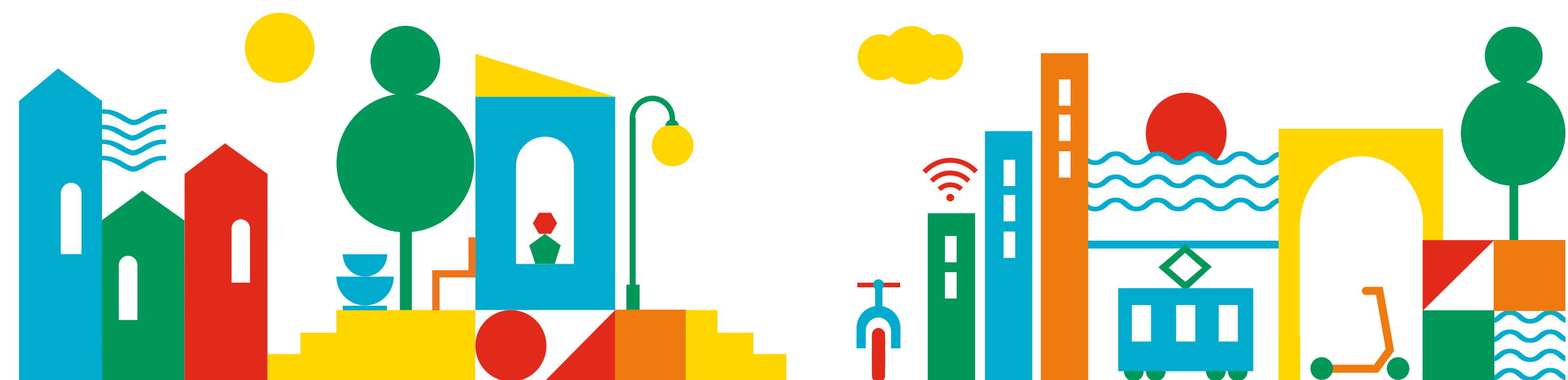
**THE CONGRESS:
AN IMPRESSIVE LINEUP**



KEY ISSUES AT THE HEART OF THE DEBATE

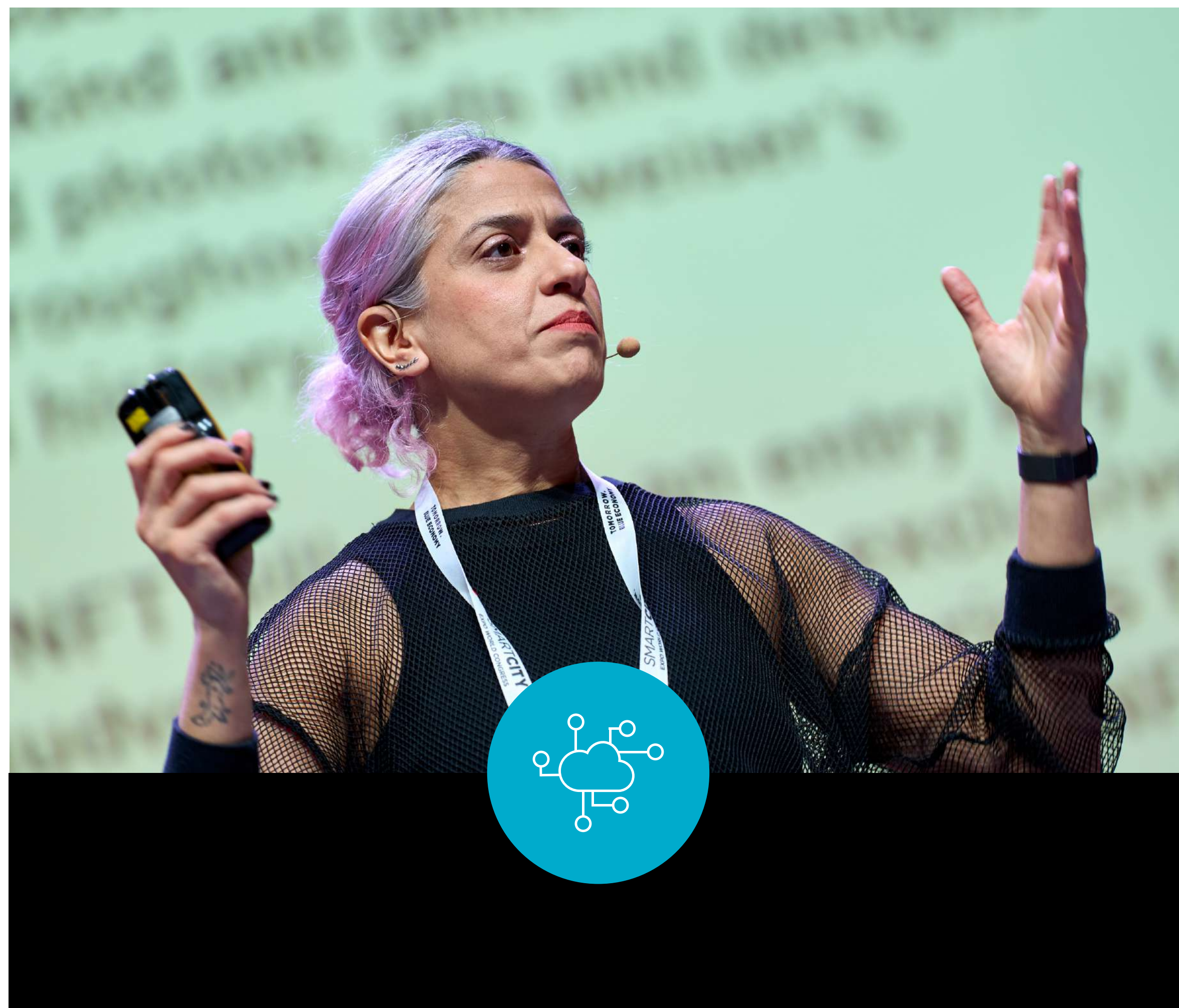


The SCEWC23 delved into eight main tracks: Enabling Technologies, Energy & Environment, Tomorrow.Mobility, Governance & Economy, Living & Inclusion, Infrastructure & Building, Safety & Security, and Tomorrow.Blue Economy. Various formats, ranging from roundtable discussions to dialogues and interviews, were employed to address them, enabling exploration of crucial topics from a creative standpoint.

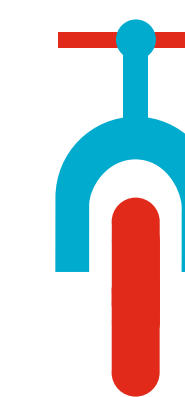
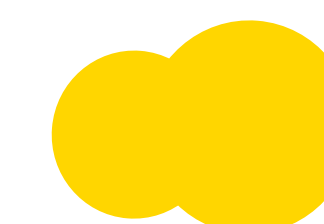


ENABLING TECHNOLOGIES

Data-driven design, Advanced digital services, Generative AI, Internet of Things, Connectivity



<p>Micaela Mantegna— Abogado, abogado, activista y académico de videojuegos, Harvard Berkman Klein Center</p>	<p>Margarita Mitchell— Científico jefe de ética, abrazando la cara</p>	<p>Essam A. Alwagait— Director del Centro Nacional de Información, Autoridad Saudita de Datos e Inteligencia Artificial</p>
<p>Kim Vigilia— Vicepresidenta de Estrategia y Marketing, Humanizando la Autonomía</p>	<p>Oleg Polovynko— CIO, Ciudad de Kiev</p>	<p>Nebulosa de Constanza— Presidente, Datos Abiertos Francia</p>
<p>Yo-sik Kang— Presidente, Fundación Digital de Seúl</p>	<p>Laura Dornheim— Concejal y director digital de la ciudad de Múnich</p>	<p>Gesa Ziemer— Jefe del CityScience Lab, Universidad HafenCity de Hamburgo</p>
<p>Tariq Khan— Director de Información y Digital, Distrito londinense de Camden</p>	<p>Valentina Taddeo— Lider de Marketing y Comunicación, Director ejecutivo, uCIFI Paradox Engineering</p>	<p>Cameron Brooks— Director del Sector Público EMEA, AWS</p>

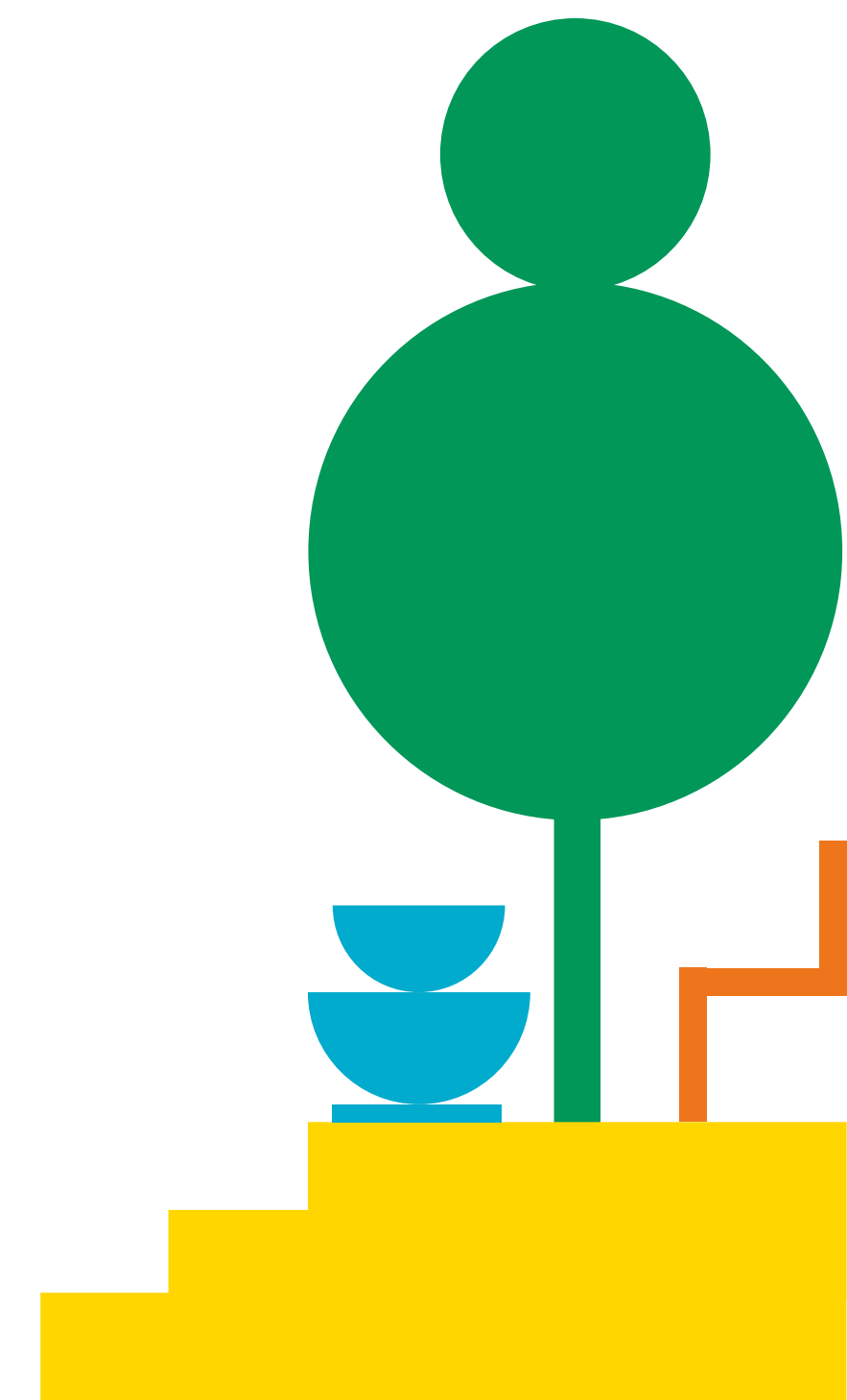


ENERGY & ENVIRONMENT

Clean energy transition, Circular cities, Climate action, Water

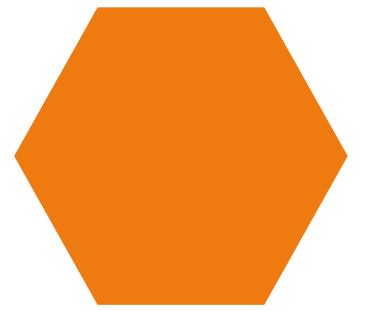


<p>Claire O'Neill— Copresidente del Consejo Asesor del Consejo Empresarial Mundial para el Desarrollo Sostenible</p>	<p>Ana Lisa Boni— Teniente de alcalde de Transición Ecológica y Pacto Climático, Ciudad de Bolonia</p>	<p>Lauren Sorkin— Director Ejecutivo, Red de Ciudades Resilientes</p>
<p>Brilé Anderson— Economista ambiental, OCDE</p>	<p>Irene Skoula Roeder— Director de Energía y Edificios, C40 Cities</p>	<p>Priyadarsini Rajagopalan— Director del Laboratorio de Innovación en Construcción Sostenible, Universidad RMIT</p>
<p>Anna J. Siefken— Asesor principal, Departamento de Energía de EE. UU.</p>	<p>Luis Federico Robin— Director de tecnología, ENCI</p>	<p>Yousef Nadiri— Gerente de Producto Soluciones Edge AI, PNV</p>

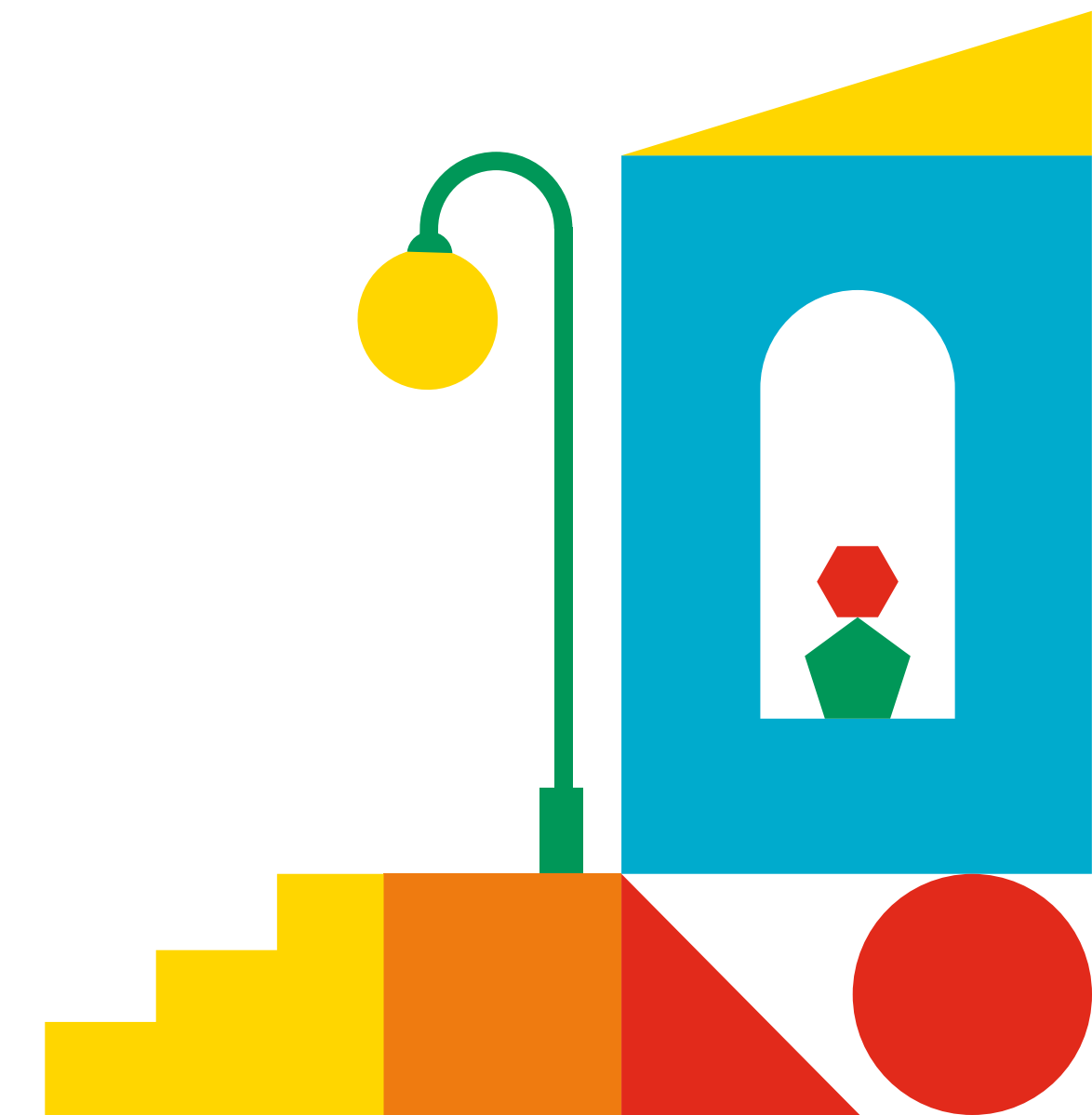


MOBILITY

Mobility data spaces; Inclusivity, affordability and fairness; Connected, cooperative and automated mobility; Sustainable urban logistics; Multimodality; Urban air mobility; Energy transition; Active mobility



Timoteo Papandreou Director ejecutivo, Asesores de transporte emergentes	Seleta Reynolds Director de Innovación, Autoridad Metropolitana del Condado de Los Angeles	Tamira Snell Futurista y asesora principal del Instituto para el Futuro de Copenhague
Karima Delli Presidente de la Comisión de Transportes y Turismo del Parlamento Europeo	Karen Vancluysen Secretario General, POLIS	Maria Tsavachidis Director ejecutivo, Movilidad urbana del EIT
Susana Zammataro Director General, Federación Internacional de Carreteras	Michael Glotz-Richter Responsable superior de movilidad, ciudad de Bremen	Jacob Bangsgaard Secretario General de Movilidad Automovilística y Turismo, FIA
Randolf Wilson Jefe del Departamento de Transporte, Asamblea Metropolitana de Kumasi	Renske Martijnse-Hartikka Gerente senior de proyectos Smart Mobility, Forum Virium Helsinki	Cristóbal Vollath Director Técnico, Club Movilidad PACC
Cristina Alburquerque Director de Movilidad Eléctrica Global, Centro WRI Ross para Ciudades Sostenibles	Gregorio Carmona Director General, Moventis	Manel Villalante Director General de Desarrollo y Estrategia, Renfe

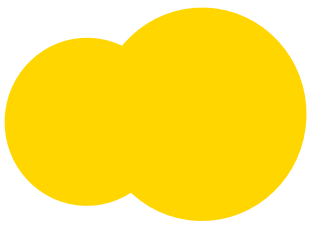


GOVERNANCE & ECONOMY

Participation & collaboration; Agile cities; Economic vitality

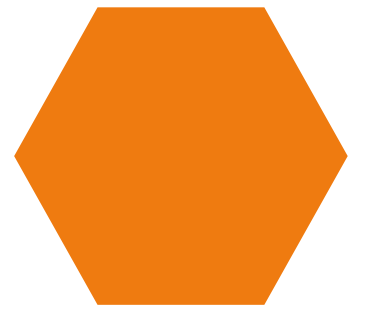


<p>Santiago Garcés Director de información, ciudad de Boston</p>	<p>Leonie van den Beuken Director de programa, Amsterdam Smart City</p>	<p>Alfredo Bateman Secretaría Distrital de Desarrollo Económico, Ciudad de Bogotá</p>
<p>Fabián Maingain Teniente de alcalde de Asuntos Económicos, Empleo, Ciudad Inteligente y Simplificación Administrativa, Ciudad de Bruselas</p>	<p>Kristen Edgreen Kaufman Comisionado Adjunto, Oficina de Asuntos Internacionales del Alcalde de la Ciudad de Nueva York</p>	<p>Külle Tärnov Jefe de Innovación, Centro FinEst para Ciudades Inteligentes</p>
<p>Sandy Burgoyne Investigador asociado, Universidad de Sydney</p>	<p>Sara Popelka Jefe de Programas Educativos, IA Urbana</p>	<p>Thais Strassmann Nahas Director del Centro Tecnológico de Florianópolis, ACATE</p>
<p>André Guimarães Gerente de Negocios y Marketing, Ubiwbaré</p>	<p>Raffaele Gareri Asesor de Innovación Urbana Programa Nacional Italiano Ciudades Metropolitanas, Agenzia per la Coesione</p>	<p>Fadzli Abdul Wahit Vicepresidente sénior, Corporación de Economía Digital de Malasia</p>

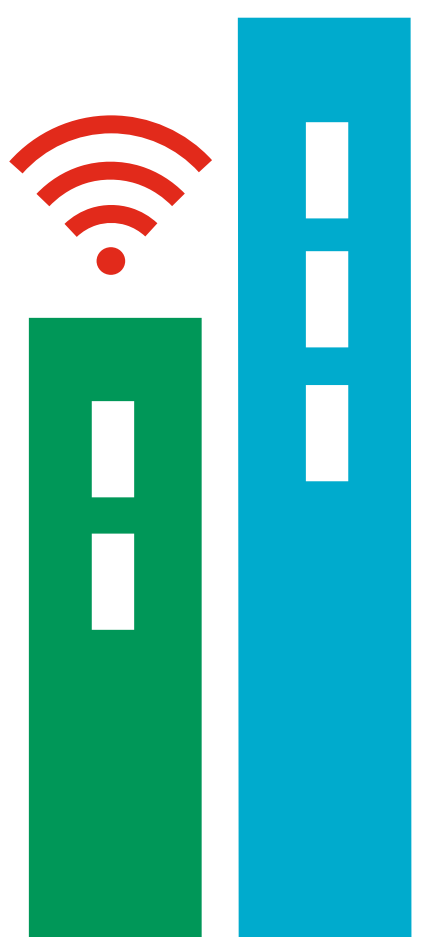
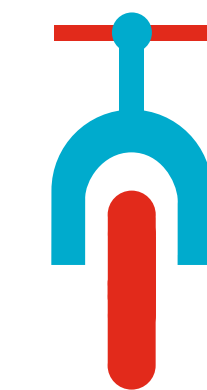
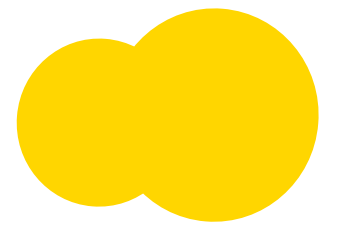


LIVING & INCLUSION

Equity & health



<p>Jaanika Merilo— Asesor Especial, Ministerio de Asuntos Sociales de Estonia</p>	<p>Edlam Yemeru— Jefe de Conocimiento e Innovación, ONU-Hábitat</p>	<p>Helena Moço Lopes— Presidente, Abrazo Cultural</p>
<p>Gabriela Arrastua— Director de Operaciones de TECHO Internacional</p>	<p>Mariana Fluza— Planificador Urbano, Universidad de las Naciones Unidas</p>	<p>Jordi Váquer— Secretario General, Metropolis</p>
<p>Sandra Baer— CEO, Ciudades Personales</p>	<p>Alma Eunice Rendón Cárdenas— Directora Red VIRAL y Agenda Migrante</p>	<p>Orna Rosenfeld— Asesor Global en Vivienda, Vida e Inclusión, Consultoría Privada</p>



INFRASTRUCTURE & BUILDING



Design tech; Smart buildings; Green districts; Liveable cities; Decarbonized infrastructure; Prop tech; Urban strategies & management



 Nathan Blecharczyk — Cofundador y director de estrategia de Airbnb	 Peter Korte — Director de tecnología y estrategia, Siemens	 Chantal Matar — Fundadora y directora de diseño experiencial, Studio Chantal Matar
 Hélène Chartier — Directora de Planificación y Diseño Urbano, C40	 Carlos Moreno — Director, Laboratorio EIT de la Universidad Pantheon-Sorbonne	 Peggy Deamer — Profesora emérita, Escuela de Arquitectura de Yale
 Carlo Ratti — Director, Carlo Ratti Associati	 Eszter Dávida — Miembro de la junta directiva, KEK, Centro Húngaro de Arquitectura Contemporánea	 Natalia Olivera — Arquitecta y Mentora Líder, Mujeres en BIM
 Gerard Lobo — Asesor Especial del Ministro de Ciudades Inteligentes y Sostenibles, Ministerio de Asuntos Exteriores de Francia	 Clara Muzzio — Ministra de Espacio Público e Higiene Urbana, Ciudad de Buenos Aires	 Piero Palizzaro — Director, Centro Nacional de Innovación para la Regeneración de Edificios Públicos
 Anna Paskova — Directora del Departamento de Política Ambiental y Desarrollo Sostenible, Ministerio del Medio Ambiente	 Adam Savitz — Socio principal, Sostenibilidad, Wipro	 Lucas Houghton — Asesoría líder en infraestructura global, Deloitte

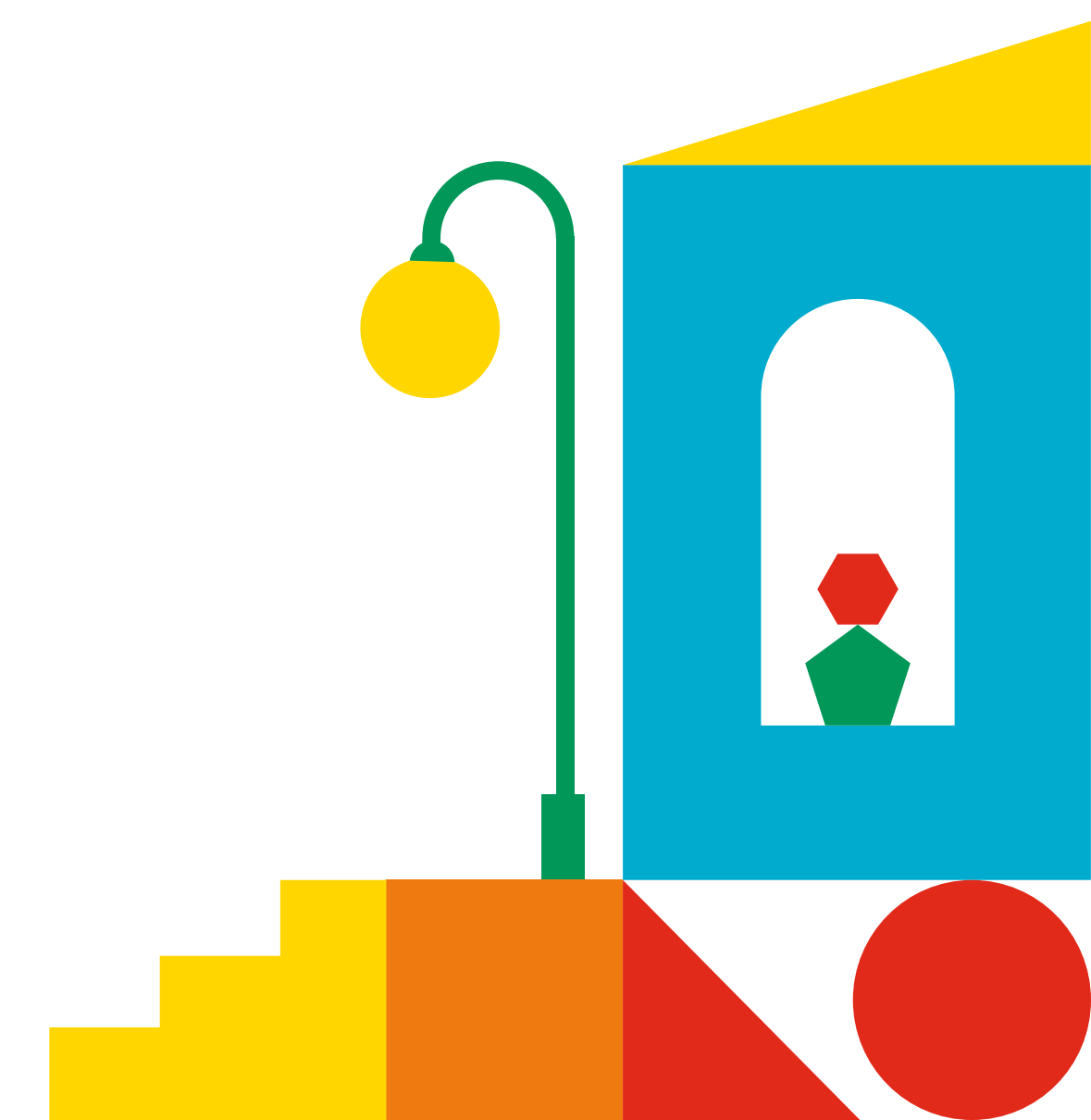


SAFETY & SECURITY

Cybersecurity & digital trust; Safer cities



<p>Clara Muzzio— Ministro de Espacio Público e Higiene Urbana, Ciudad de Buenos Aires</p>	<p>Marsha Quallo-Wright— Subdirector de Infraestructura Nacional Crítica, NCSC</p>	<p>Jennifer Sanders— Director Ejecutivo, Alianza de Innovación del Norte de Texas</p>
<p>Siphele Ngobese— Investigador principal, Red de ciudades de Sudáfrica</p>	<p>Aníbal Gaviria Correa— Gobernador, Ciudad de Antioquia</p>	<p>Andrés Elliot— Director de Seguridad Cibernética e Identidad Digital, DSIT del Gobierno del Reino Unido</p>
<p>Anniina Autero— Jefe de Proyecto, Ciudad de Tampere</p>	<p>Ayikai Poswayo— Director de programa, Enmienda</p>	<p>Miguel Sangalang— Director Ejecutivo y Gerente General, Oficina de Alumbrado Público de la Ciudad de Los Ángeles</p>

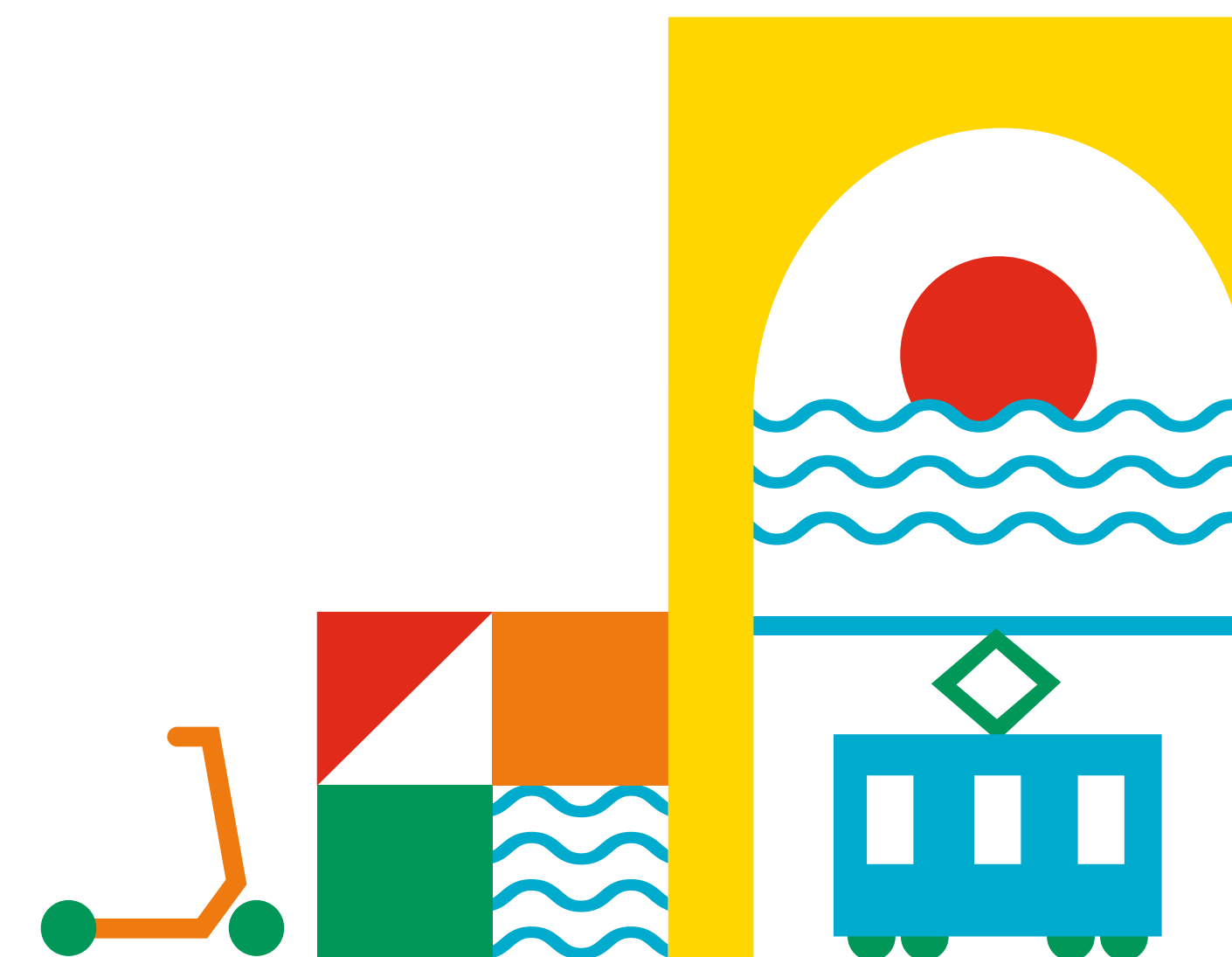
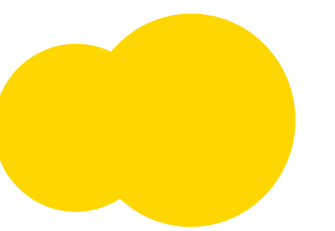


BLUE ECONOMY

Blue economic activity; Marine environmental challenges; Openness to civil society



<p>Jordi Valls Cuarto Teniente de Alcalde, Área de Economía, Hacienda, Promoción Económica y Turismo, Ayuntamiento de Barcelona</p>	<p>Pablo Holthus Director ejecutivo y presidente, Consejo Mundial de los Océanos</p>	<p>Lluís Salvadó Presidente, Puerto de Barcelona</p>
<p>Juliette Lassman Analista de políticas, OCDE</p>	<p>Aurora Catà Sala Vicepresidenta, Eventos de la Copa América de Barcelona</p>	<p>Jens Meier Director ejecutivo, Autoridad Portuaria de Hamburgo</p>
<p>Erwin Verstraelen Director de Innovación y Digital, Puerto de Amberes-Brujas</p>	<p>Michael DiBernardo Director Ejecutivo Adjunto, Marketing y Relaciones con el Cliente, Puerto de Los Angeles</p>	<p>Malin Collin Director ejecutivo adjunto y vicepresidente de estrategia e innovación, puerto de Gotemburgo</p>
<p>Koh Chin Yong CIO y Director (TI), Autoridad Marítima y Portuaria de Singapur</p>	<p>Vasileios Latinos Jefe de Resiliencia y Adaptación Climática, Secretaría Europea de ICLEI</p>	<p>Olga Cerezo Director Puerto Olímpico de Barcelona, BSM</p>
<p>Birgit Liodden Fundador y director ejecutivo de The Ocean Opportunity Lab (TOOL)</p>	<p>Leslie Ryan Director de Eventos, Cono Sur América</p>	<p>Jinsun Shin Jefe de la Oficina Europea de BPA, Autoridad Portuaria de Busan</p>



COLLABORATION IS THE WAY

Nearly 600 thought-provoking leaders and global innovators such as Nathan Blecharczyk, Co-Founder and Chief Strategy Officer of Airbnb; the President of FC Barcelona, Joan Laporta; computer scientist and expert in Algorithmic bias Margaret Mitchell; AI-specialized lawyer Micaela Mantegna; and former UK Minister for Energy & Clean Growth and Sustainable Development expert, Claire O'Neill reflected on viable solutions to design a better tomorrow.

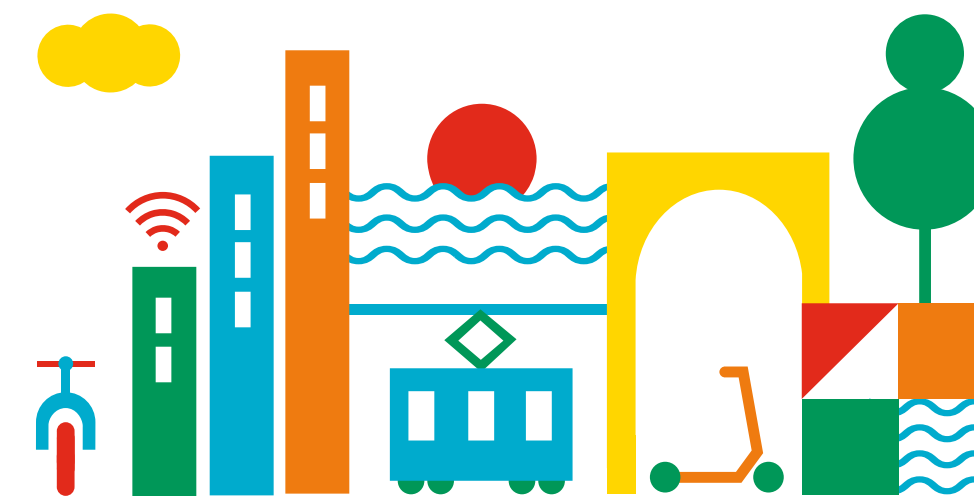
The general sentiment was that emerging technologies can better support the cities we live in, that getting ahead is about having the courage to take the first step and that transformation is not a destination but a continuous state of evolution.

Both the Auditorium and the Thematic Rooms -also those that were in the Expo Area- were at their full capacity during the three days.

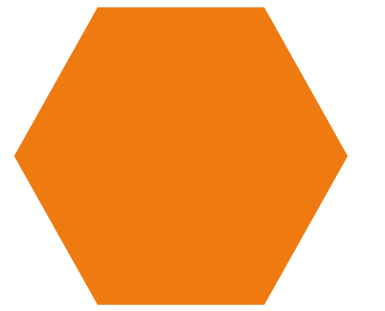
How to curb the climate emergency, how to encourage public-private partnerships for impact-driven mobility innovation, how to build, plan and renovate urban infrastructure or how to navigate the future of ports were some of the subjects covered.

“What is very interesting, I think, is the bottom-up policies often made by city leaders, city officials, local businesses or local citizens. They can really have an impact.”

Claire O'Neill
Former UK Climate and Energy Minister | Global Decarbonization Advisor



FIVE KEY TAKEAWAYS



#1

Generative AI is the belle of the ball but it needs to be developed wisely. Consensus in data is a key ethical issue right now.

#2

A balance between overregulation and under regulation is necessary. The right policies and a change of mindset are key to address moonshots.

#3

We are at the crossroads of two paths: an evolution to a capitalism of cognitive surveillance or a metaverse of abundance, considered as a digital public good.

#4

Net zero is a mathematical construction. But we can hold our atmosphere to a temperature that is bearable by 2080. Yet, we can't wait for the perfect scenario. It doesn't exist. We're out of time for perfect.

#5

There are 4 massive trends in mobility: digitalization, everything as a service, electrification, and automation. But we need to change our mindset. It's not just technology, it's also about nature services.

Enabling Technologies Takeaways

DIGITAL TRANSFORMATION IS A CONTINUOUS STATE OF EVOLUTION



#1

You can't really have a smart city without the Internet of Things (IoT). LoRa and other technologies represent an opportunity to support citizen's wellbeing.

#2

Digital Twin cities are a new form of smart city. The trend is to expand from a single field scenario to an integration scenario. But this requires collaboration between the stakeholders.

#3

Generative AI opens a world of opportunities but it needs to be developed wisely. Ethics don't give all the answers but provide a common ground to keep on working.

#4

Generative AI is going to be a big part of the Metaverse. The challenge is to reimagine economy and legal frameworks for a digital post-scarcity world

#5

In order to transform themselves, cities need to consider an open ecosystem allowing flexibility, and then look at complementary technologies and have a plan

#6

The 2023 smart city approach tends to be data-driven and person-centered. Technology is just a good enabler to improve the environment and life of the constituents.



“To be successful in digital transformation, cities really need to invest the time upfront to plan for future expansions. It's not a one and done.”

Donna Moore, CEO & Chairwoman, LoRa Alliance

Energy & Environment Takeaways

HOW TO BE CONSISTENT WITH THE PARIS GOALS



#1

Cities are certainly setting ambitious goals but they need to be courageous to make changes and focus on the 2-3 things they do best. We're out of time for perfect.

#2

Citizens commitment is key to fight climate change. There are four pillars to achieve it: proximity, ecology, solidarity and collective commitment.

#3

Solutions to live in a way that is consistent with the Paris Goals might be costly and disruptive but new city models are emerging. We need business involvement to make changes.

#4

The 24/7 Carbon-free Energy Compact is an innovative approach to meet electricity demand with carbon-free sources, but it requires a paradigm shift on how cities think about electricity demand and supply.

#5

Circular Economy enables cities to balance economic growth and sustainability. Public Private Partnerships are key to develop new models for a cleaner economy.

#6

When thinking about the future we tend to underestimate long-term implications. Any plan has to be long-term, stable, inclusive and acceptable. The future is about people.



“Don't wait for the perfect scenario. It doesn't exist. We're out of time for perfect. But we can hold our atmosphere to a temperature that is bearable.”

Claire O'Neill, Global Decarbonization Advisor and Former UK Climate & Energy Minister

Mobility Takeaways

CHANGING OUR MINDSET TO ADDRESS MOONSHOTS



#1

Digitalization and liquid consumer expectations have an impact in mobility patterns. The future is about people.

#2

Digitalization, Everything as a Service, electrification and automation are going to change the way we see the world around us.

#3

The main challenges to zero-emission mobility include infrastructure and investment, data collection and reliability, tech vehicles, education and skills, as well as policies and coordination.

#4

Data is key to transforming the hardest bit of our mobility services and mobility sector. But we don't have a data sharing culture yet.

#5

Public transportation is the best way to decarbonize the mobility sector. But we all have to take responsibility in this ecosystem change.

#6

To achieve autonomous mobility we need collaboration and double down on data. Piece meal doesn't work.

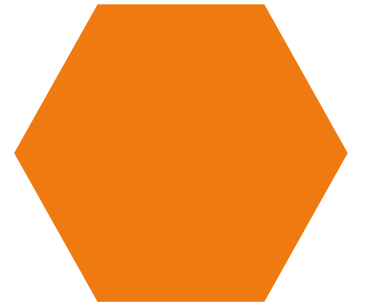


“We need an ecosystem, not an egosystem. That’s an important shift in the way forward.”

Timothy Papandreou, CEO Emerging Transport Advisors

Governance & Economy Takeaways

THE RIGHT STRUCTURES AND MECHANISMS FOR THE DIGITAL ERA



#1

A big part of being a smart city is harnessing the technology to allow processes that would normally be sequential to be simultaneous.

#2

The UN is working on a Global Digital Compact, which is expected to be adopted in 2024 and “outline shared principles for an open, free and secure digital future for all”.

#3

Human rights and keeping people at the center must be a major framework when thinking about digital transformation.

#4

Governments need to foresee all the right structures and mechanisms to be developed with emerging technologies like AI.

#5

Fostering transparency through open data initiatives, making information accessible to citizens and encouraging citizen participation are key elements for smart governance.

#6

In the end, technology serves a purpose. Cities need to ensure that initiatives are scalable, adaptable and long-term.



“We expect the international guidelines about people-centered smart cities to be a key global reference point and a benchmark.”

Edlam Yemeru, Chief of Knowledge and Innovation, UN-Habitat

Living & Inclusion Takeaways

INCLUSION AND EQUITY AT THE CORE OF CITY DEVELOPMENT



#1

To be relevant, cities need to attract the right talent and educate the workforce of the future to understand the social impacts.

#2

Immigration is shaping the way in which cities need to be planned. City leaders have to be ready for this situation not to leave anybody behind.

#3

The real power behind data is it can be transformed into insights. The private sector can help make inclusive, equitable and just policies a reality.

#4

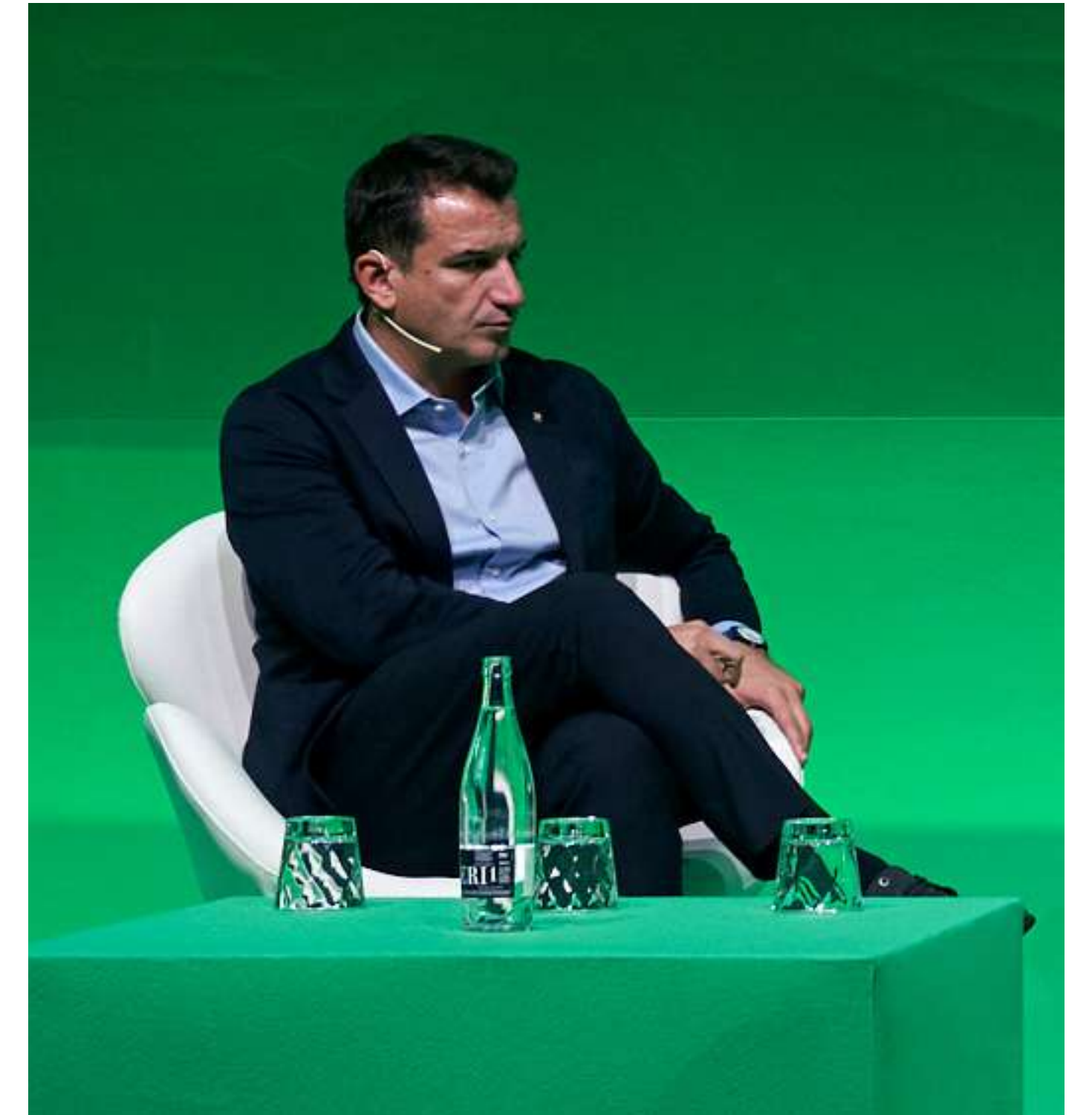
Digital skills are key in the way we plan and design how the cities will look like in the future. It's all about smart people and not smart things.

#5

Cities need to have that mindset of celebrating togetherness to integrate informality in the human fabric and operate in a polarized environment.

#6

Addressing equality in cities also involves fighting climate change equitably by ensuring that mitigation and adaptation strategies consider the needs of marginalized communities.

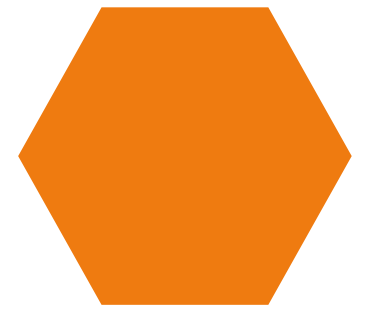


“Children may be a 30% of the population, but they are a 100% of the future. So, we need to start looking at the future through their eyes.”

Elion Veliaj, Mayor of Tirana, Albania

Infrastructure & Building Takeaways

THE TRANSFORMATIVE POTENTIAL OF AI TO CHANGE BUILDINGS



#1

City science can help inform proptech or real estate decision-making process.

#2

If cement was a country it would be the 3rd large CO₂ emitter in the world. There are solutions but they are costly and disruptive, so a powerful local leadership is necessary.

#3

We need to reconcile building fast and affordable. The potential of earth and bamboo as alternative materials is being considered.

#4

Tackling social inequalities means placing equal value within the planning design and maintenance on the needs of all the stakeholders.

#5

Inclusivity and accessibility in design are key to create sustainable and approachable cities for everyone.

#6

Bridging AI and creativity helps create new spaces and social experiences for better cities.

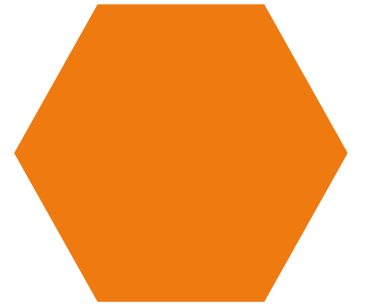


“Generative design is a smart efficient way to think about space.”

Chantal Matar, Founder Studio Chantal Matar

Safety & Security Takeaways

COLLABORATION IS KEY TO SECURE CITIES



#1

Urban resilience is the capacity to survive, adapt and thrive in the face of shocks. Thus designing solutions with communities is key so that they last.

#2

Secure by Design should be a consideration at all points in the development lifecycle of different city services. Otherwise they're only secure from the IT perspective.

#3

Digital Trust for Places & Routines (DTPR) increases the transparency, legibility and accountability of digital technology in the built environment. it enables human agency in urban shared spaces.

#4

City officials need to be responsible for the digital public space and make citizens aware of safety and security issues. Education is crucial.

#5

Regaining trust after being attacked is challenging. So, implementing regular data backups and robust recovery plans to restore systems is essential.

#6

In the end, securing cities against cyberthreats is an ongoing process that requires collaboration, investment in technology, regular assessment, and adaptation to emerging threats.

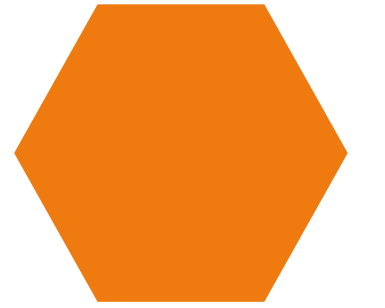


“Trust is an essential foundation layer within the smart cities context.”

Adrienne Schmoeker, Director of Strategic Partnerships, Helpful Places

Blue Economy Takeaways

CAPITALIZING ON THE PROXIMITY TO THE OCEAN



#1

Embracing the principles of the blue economy allows coastal cities to capitalize on their proximity to the ocean, fostering economic development while preserving the environment.

#2

Blue economy is a good way to address climate change but to make it happen we need data and a holistic approach.

#3

A sustainable development of the blue economy is vital for the future of coastal cities but also inland cities, regions and communities. Cities need to focus on digitalization and preserving natural habitats.

#4

Ports of the future will prioritize efficiency, sustainability, innovation, and integration. Smart Ports can be the perfect “testing sandbox” to contribute to the blue economy growth.

#5

Investment in research institutions, startups and incubators is crucial for driving innovation in the blue economy.

#6

Collaboration between the public and the private sector plays a critical role in the blue economy’s growth.



“Coastal cities need to prioritize blue economy because the times that are coming will not allow us to use the ocean the way we’ve been using the ocean so far. “

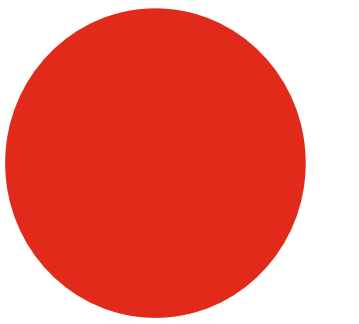
Emma Cobos, Director of Innovation and Business Strategy, Port of Barcelona

5



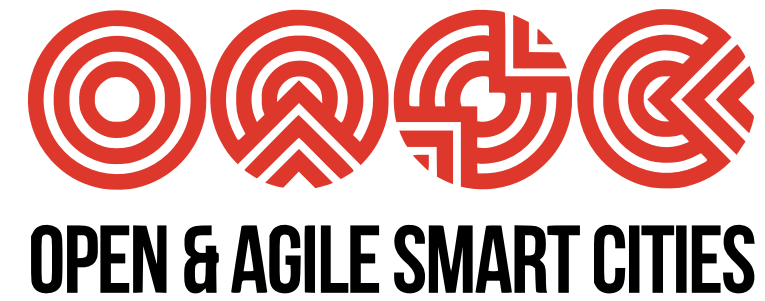
**BREAKOUT SESSIONS
& ACTIVITIES**





BREAKOUT SESSIONS FOR EXTRA KNOWLEDGE

An extensive lineup of engaging side events organized by leading organizations and companies actively involved in urban development took place during the SCEWC. They all delved into the core of significant urban challenges and attracted lots of attendees. The 2023 program boasted 149 dedicated sessions that included:



EDIC - A Game-changer for Smart Communities

This session introduced the concept of the EDIC instrument (European Digital Infrastructure Consortium) and its relevance for member states, regions, and cities' policy development. It showed the projects' viewpoint, illustrated with examples, on how the EDIC helped amplify and replicate their achievements and how it can aid future projects.

[more info](#) +

Digital Communities: Showcasing Transformative Projects

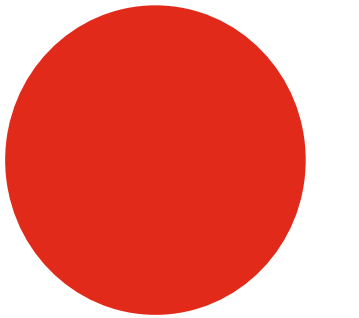
OASC showcased four inspiring projects, funded by the EU, with and for cities and local communities. Processes and tangible results of these projects made it clear what the challenges and opportunities are for cities and local communities to make the digital transition happen.

[more info](#) +



Digital communities showcasing transformative projects

SPONSORS:
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BREAKOUT SESSIONS FOR EXTRA KNOWLEDGE



Climate and Nature Data Disclosure Towards a Nature-Positive Economy

Urgent action is needed to combat climate change and biodiversity loss. Greater transparency is crucial for cities, businesses and financial institutions to assess risks and opportunities. Access to knowledge and analytics helps stakeholders promote climate resilience and a nature-positive economy. This session exposed climate and nature data's significance in innovative projects for emissions reduction, urban nature conservation and financial opportunities.

[more info](#) +

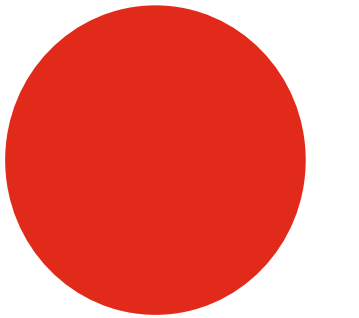


Energy Communities in Metropolitan areas

Energy communities have a pivotal role in energy transition and they are growing around the EU but they often struggle to take-off. The COMANAGE project aims to tackle and counteract the main governance and management barriers faced by citizen-led and public-participated energy communities' projects by creating a sustainable governance framework and new resources for public authorities.

[more info](#) +





BREAKOUT SESSIONS FOR EXTRA KNOWLEDGE



AI in Cities – Governance and capacity needs to achieve the SDGs

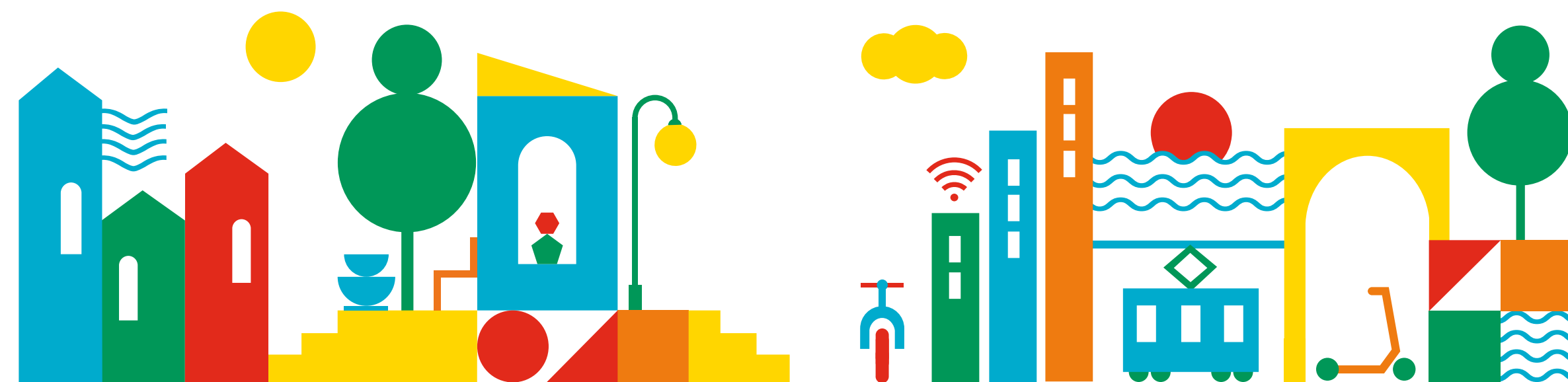
This side event discussed responsible and inclusive planning, design, use and governance of AI in cities, and the launch of two reports: the ‘Global Assessment of Responsible AI in Cities’, to better understand the needs of local governments in relation to artificial intelligence and the ‘Trends in Urban Resilience 2024’ with highlights on ‘AI for Resilient Cities’ and focus on opportunities for big data and AI to support resilience.

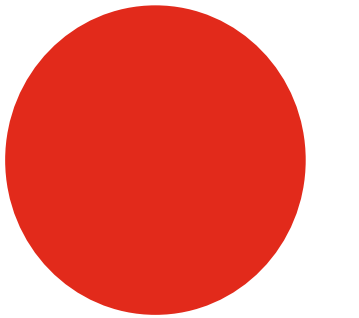
[more info](#) +

Sustainable Proximities in Practice: Exploring Tools and Learning from Cities

This session focused on best practices and shared learnings from current urban initiatives concentrating on the implementation of sustainable proximities. It showcased a series of global interactive tools to put proximity into practice and gave an introduction to a new digital proximity toolbox.

[more info](#) +





BREAKOUT SESSIONS FOR EXTRA KNOWLEDGE



City Solutions Workshop

The workshop supported Azerbaijan, Brazil and IFC client (TBD) in finding concrete solutions for the most pressing issues and moving their smart city agenda forward. It facilitated a dynamic exchange and interaction between the cities of Rio de Janeiro (Brazil) and Agdam (Azerbaijan) with relevant experts and other cities invited. The 3-hour workshop (by invitation only) actively engaged the two invited delegations and other interested participants in peer-to-peer discussion facilitated by experts.

[more info](#) +

Blueprints to Accelerate the Transition to a Circular Built Environment

The Circular Buildings Coalition invites you to join us to hear from 10 organizations that will showcase their blueprints for transition to a circular economy in the built environment. The blueprints cover how to finance buildings built according to circular principles, emerging ownership models that support the transition, and new ways of better promoting secondary markets. The Circular Buildings Coalition also presented a case study repository with inspiring examples in the Built Environment of projects facilitating and promoting circular principles.

[more info](#) +

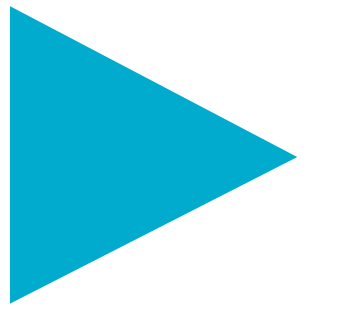


6



**WORLD SMART CITY
AWARDS**





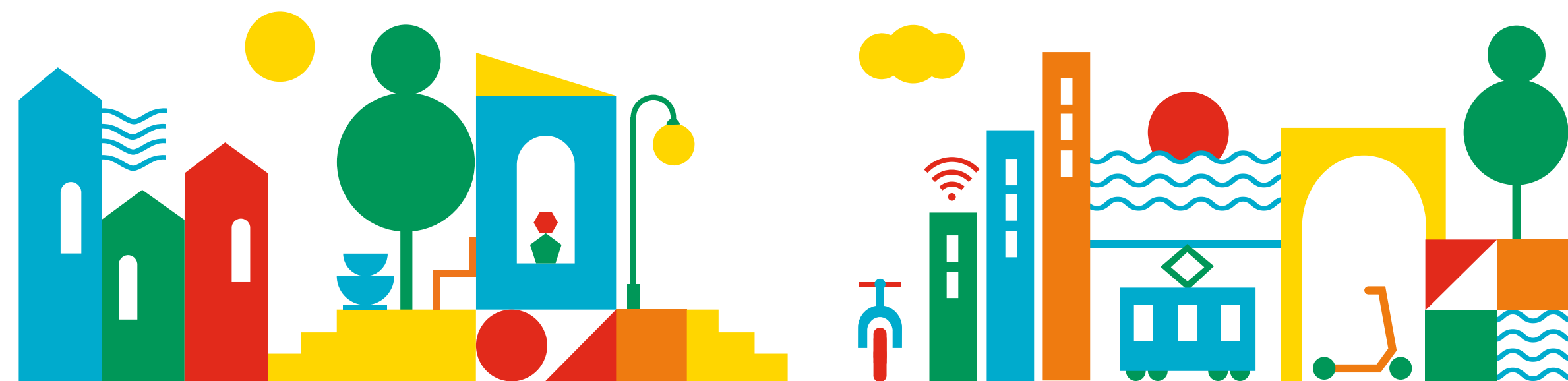
REWARDING COURAGEOUS IDEAS

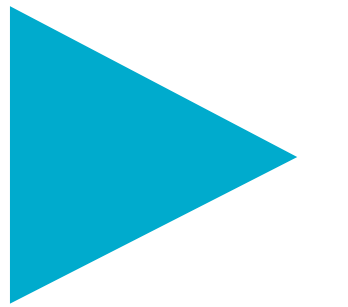
In this turbulent times, putting together groundbreaking ideas to change the world as we know it takes courage and effort. Therefore, the 2023 edition of the World Smart City Awards wanted to recognize the most innovative ideas and projects that are fostering sustainable and inclusive development in urban areas worldwide. All the 411 proposals sent in from 63 countries -another record-breaking figure- undoubtedly brought hope to build a better tomorrow.

This edition, 10 distinct categories covering key smart cities issues and significant contributions of living professionals were considered for the competition:

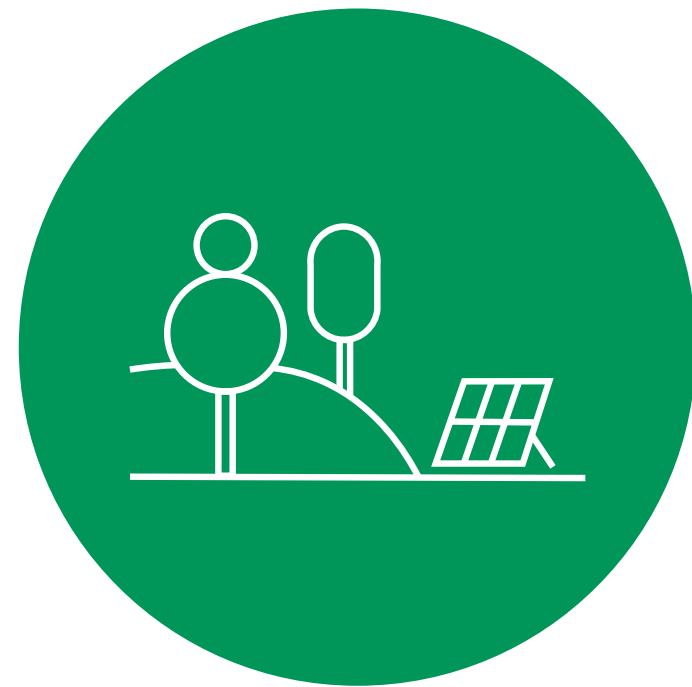
- ENERGY & ENVIRONMENT AWARD**
- MOBILITY AWARD**
- GOVERNANCE & ECONOMY AWARD**
- SAFETY & RESILIENCE AWARD**
- LIVING & INCLUSION AWARD**
- INFRASTRUCTURE & BUILDING AWARD**
- ENABLING TECHNOLOGIES AWARD**
- INNOVATION AWARD**
- LEADERSHIP AWARD**
- CITY AWARD**

Winners were announced at a gala held the second day of the event.





THESE WERE THE WINNING PROJECTS:



ENERGY & ENVIRONMENT AWARD

Beyond raw metrics: measuring citizens' perception of urban heat, Bordeaux Métropole - France

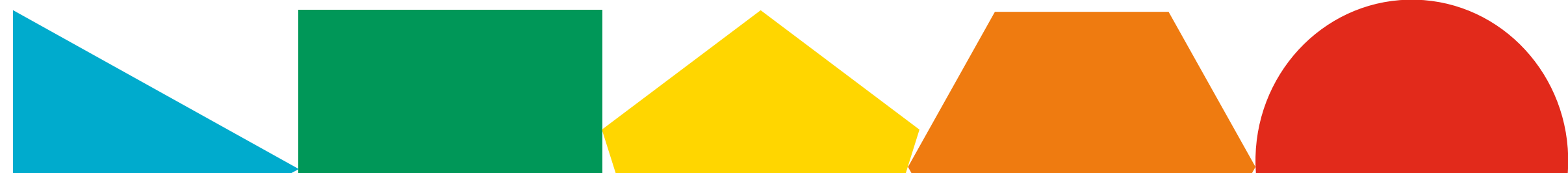
As a consequence of global warming, the temperatures recorded in Bordeaux are often among the highest in France. The project was recognized for creating tools to get reliable indicators not only on the temperatures but also on the sensations felt, on the subjective thermal comfort of the inhabitants.

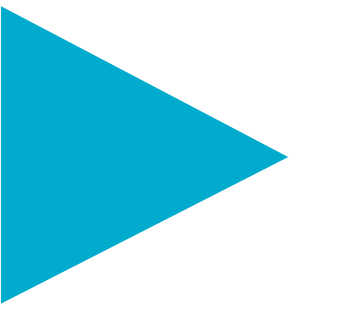


MOBILITY AWARD

Bicycle tram, Konya Metropolitan Municipality, Meram - Turkey

This project was awarded because it involves restoring old trams and making them available exclusively for cyclists, with the aim of increasing bicycle awareness in the city and developing a new transportation model for cyclists.





GOVERNANCE & ECONOMY AWARD

Building Our Future Cities Together, US Mayoral Roundtable, USA

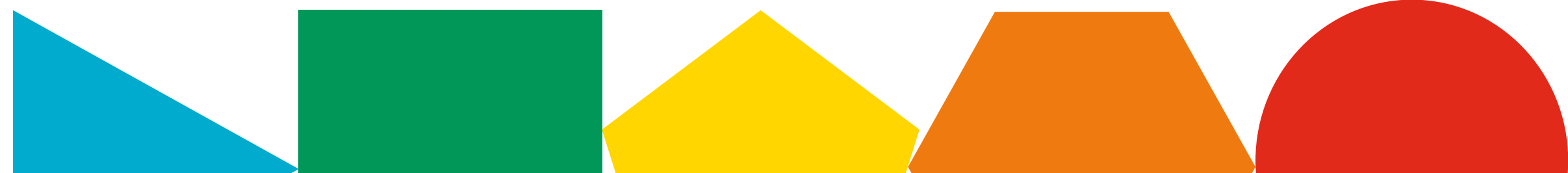
The U.S. Mayoral Roundtable is a collaboration-based platform focused on catalyzing digital transformation across cities while supporting mayors to accelerate and design the construction of our future cities.

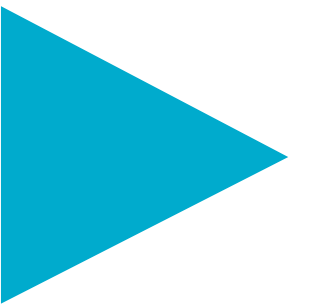


SAFETY & RESILIENCE AWARD

Seamless Urban Resilience for Everyone, Everywhere and Everytime, Gangnam-gu Office - Republic of Korea

Gangnam district actively promotes tailored support policy for marginalized groups in blind spots of welfare, ensuring all residents envision a happy, safe future. By bolstering social safety nets, this projects aims to proactively address crises and build a resilient city where everyone is protected.





LIVING & INCLUSION AWARD

Bereikbaar Breda Applicatie, City of Breda – Netherlands

In the Netherlands, 2.5 million people are reluctant to enter the city center and festivals, due to physical or mental issues. With relevant info for a visit, presented on the website of the venue, this project makes it easier for them to participate.

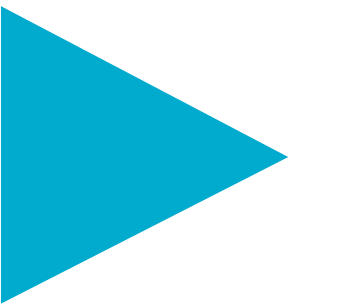


INFRASTRUCTURE & BUILDING AWARD

A'amer: Elevating urban living through integrated citywide services and facility management, Saudi Aramco Dhahran Smart City, Dhahran – Saudi Arabia

A'amer is a platform that seamlessly integrates the power of IoT and AI to transform the way cities manage their facilities and services. It automates infrastructure and building operations while enhancing citizen experiences. The result: a sustainable, efficient, and connected urban environment.





ENABLING TECHNOLOGIES AWARD

AI & insight enabled urban services - Social value through data, City of Tampere - Finland

Tampere is developing an urban-social digital twin, harnessing its Data & Insights platform to make data-driven decision making for purposeful urban services. It has enabled Tampere to accelerate innovation for a more livable, sustainable and connected city.



INNOVATION AWARD

This prize was awarded to two projects:

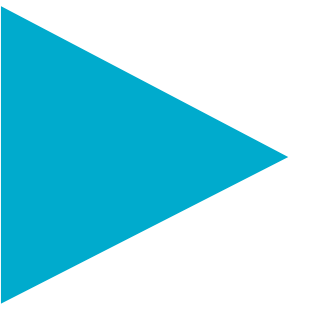
SPIRE: Smart Post-Industrial Regenerative Ecosystem, Baia Mare - Romania

This initiative developed by Baia Mare City renatures urban polluted soil with a Nature-based Solution monitored through an iGIS smart system.

ECO-HEROES: socio-professional integration of young people through an eco-guide training, Pikala Bikes, Marrakesh - Morocco

ECO-HEROES is a vocational training preparing youngsters to seize the opportunities of ecotourism in the city.





LEADERSHIP AWARD

Anna Lisa Boni, Former General Secretary of EUROCITIES and Deputy Mayor, Bologna - Italy

Claudio Orrego, Governor of the Santiago Metropolitan Region - Chile



CITY AWARD

Curitiba, Brazil

Curitiba is facing urban challenges with a sustainable approach to smart urban planning, socioeconomic growth and environmental sustainability. The city is prepared for the future while taking care of its present, building a smart and sustainable city that enhances the quality of life for citizens.





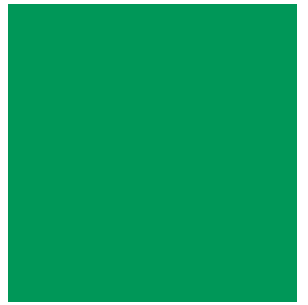
7



**SUSTAINABILITY
AND DIVERSITY**

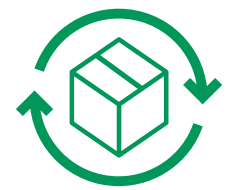


A SUSTAINABLE EVENT



At Smart City Expo, we've been working for 12 years towards creating efficient and sustainable cities that leave no one behind, and as an event we should lead by example. So we put together the Towards Zero Waste Initiative. Also, Fira Barcelona has obtained ISO 14001 certification, the most widely recognized international standard in the field of environmental management.

We're proud to say that the 2023 edition has been the most sustainable edition ever. These are the best practices we've been putting in place to reduce our environmental footprint, enhance equity, and promote green consciousness:



CIRCULARITY: Everything got a second life

- 9,180 kg carpet recycled.
- 1,503 kg of material were reused.



USING LESS PAPER

- The event app for all the event information hit 21,795 downloads.



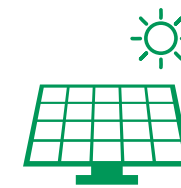
LIMITING FOOD WASTE

- Retrieved food was collected and donated to the NGO Nutrition Without Borders and distributed by community kitchens.



FULL ACCESSIBILITY WAS ENSURED

- Electric scooters and reserved places for people with reduced mobility.
- Accessibility and guidance for the visually impaired.
- Vegan, halal and kosher menus available
- Convenient prayer rooms.



A GREEN-POWERED VENUE

- The venue and the offices were powered only by renewable sources.
- 5.86 GWh per year.



NO SINGLE-USE PLASTICS

- 2,134 kg of plastic waste. avoided.
- 1,618 kg of selective collection.



HELPING THE PLANET BREATHE

- Money from merchandising helped us plant 886 trees for the Planting for Doñana reforestation project.
- All emissions generated by the event were offset.



A CONGRESS CELEBRATING DIVERSITY

- Equal gender representation within our 600+ speaker roster.
- Conference program with specific sessions about gender inclusivity, equality, accessibility and barrier-free design.



2023 GREEN EXHIBITOR AWARD

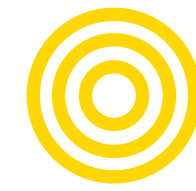


With a tree in the middle of the booth and singing plant pots that powered up the space, [@bioo.official](https://twitter.com/bioo_official) turned into the winner of the 2023 Green Exhibitor Award, which is part of our Towards Zero Waste Initiative.

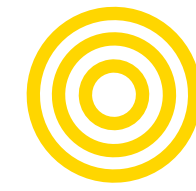
Its magnificent stand saved loads of energy thanks to Bioo's game-changing creation, the Bioo Panel, which taps into natural microorganisms to create power, absorb carbon, and conserve water. It also proves that nature-based solutions for sustainable construction and cities are within reach. That's what the Green Exhibitor Award stands for -showcasing these values in our own event.

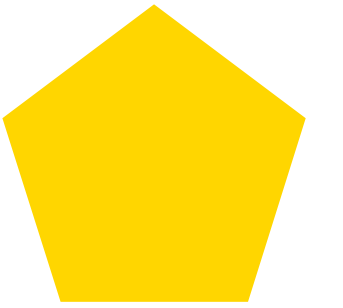


8



**EDITIONS
ABROAD**





INNOVATION NEVER STOPS

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 editions adapted to the specific needs and interests of their host regions.

In 2023, the spin-off editions of Smart City Expo World Congress were held in Curitiba (Brazil), LATAM, Santiago del Estero (Argentina), Shanghai (China) and Doha (Qatar).

SMARTCITY
EXPO **CURITIBA**
MARCH 2023

SMARTCITY
EXPO **LATAM CONGRESS**
MAY 2023

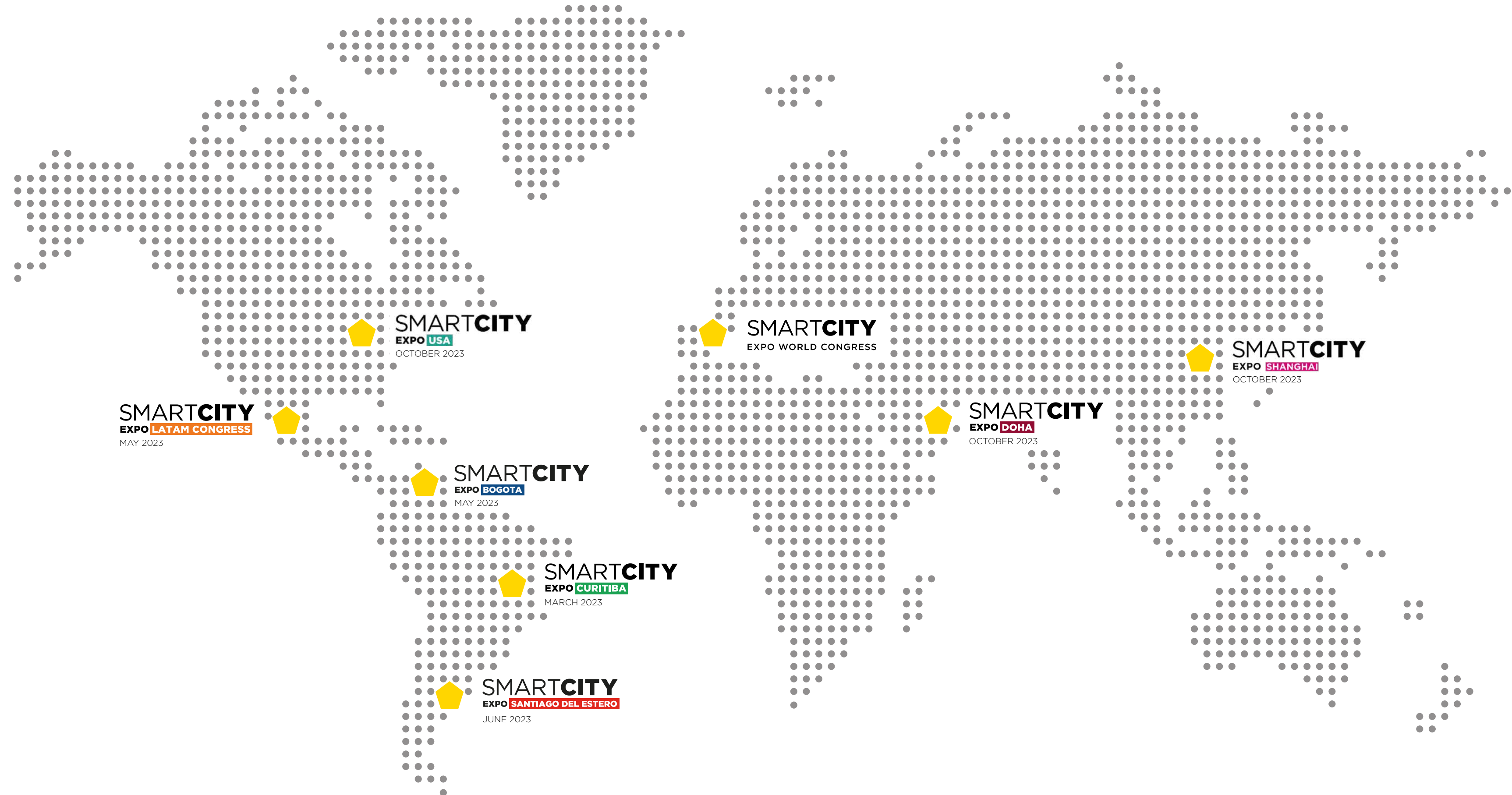
SMARTCITY
EXPO **BOGOTA**
MAY 2023

SMARTCITY
EXPO **SANTIAGO DEL ESTERO**
JUNE 2023

SMARTCITY
EXPO **SHANGHAI**
OCTOBER 2023

SMARTCITY
EXPO **USA**
OCTOBER 2023

SMARTCITY
EXPO **DOHA**
OCTOBER 2023



9



CO-LOCATED EVENTS



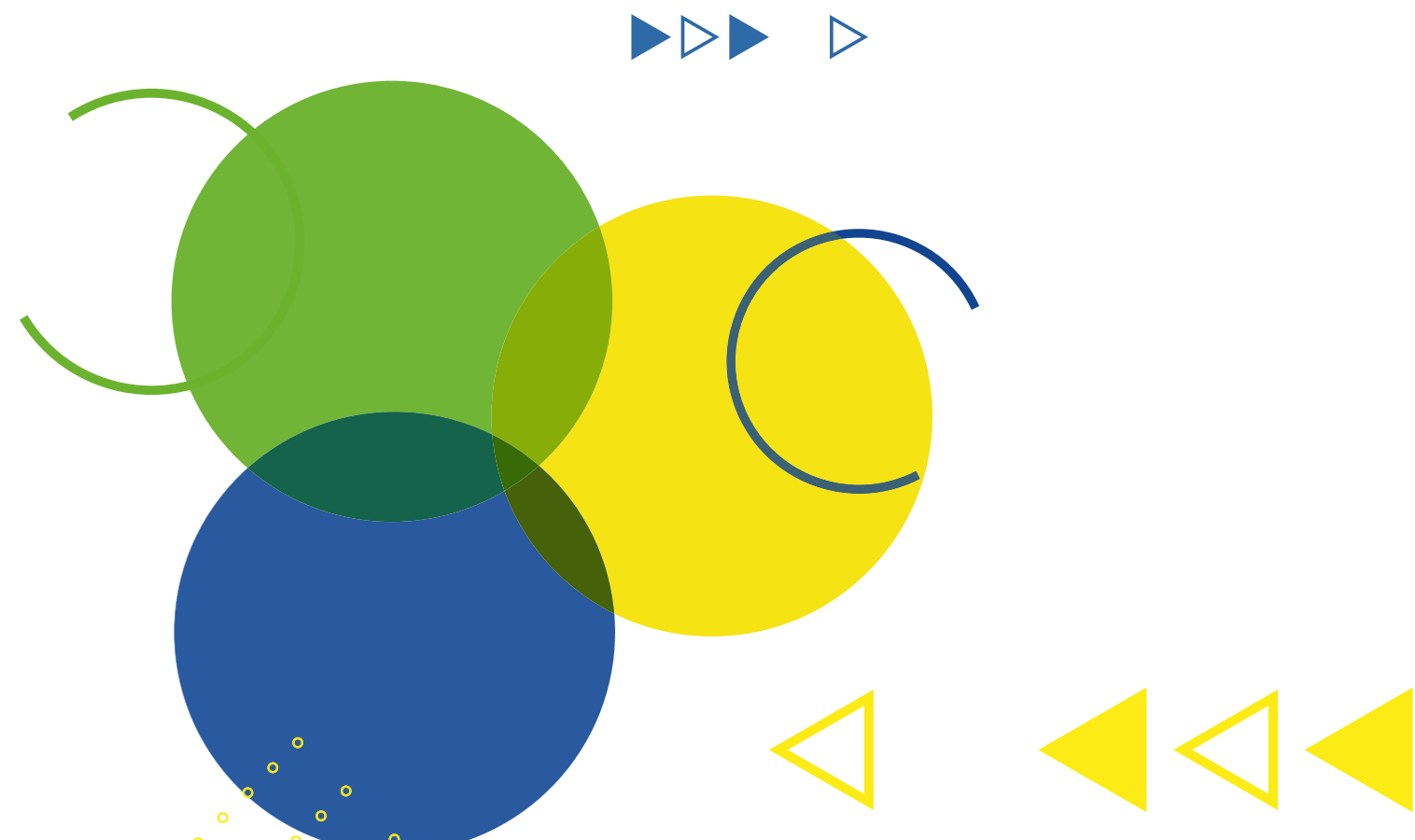
TOMORROW. MOBILITY

WORLD CONGRESS



When talking about sustainability, every action matters, every move counts. After three days of debate and action, Tomorrow.Mobility World Congress made it clear that the urban mobility revolution and the need for promoting a zero-emission and connected, cooperative, and automated mobility not only stirs our conscience in a variety of ways but encourages city changers to take action.

The event focused on eight main topics -Mobility Data Spaces; Inclusivity, Affordability and Fairness; Connected, Cooperative and Automated Mobility; Sustainable Urban Logistics; Multimodality; Urban Air Mobility; Energy Transition; Active Mobility -for a deep discussion that turned into a record-breaking edition of 25,300 attendees.



TOMORROW. BUILDING

WORLD CONGRESS



Tomorrow.Building World Congress is the new global event empowering the green and digital transition of buildings and urban infrastructures. Celebrated within the framework of Smart City Expo World Congress, the event focused on seven strategic topics covering the crucial issues for sustainable construction: Design Tech, Green Districts, Decarbonized Infrastructure, PropTech, Liveable Cities, Urban Strategies & Management, and Smart Building.

“ Doing events like the Tomorrow.Building World Congress actually is a catalyst for great minds to start thinking faster, getting more inspiration on how to integrate new tools in their own projects and practices. ”

Chantal Matar
 Founder and Experiential Design Director | Studio Chantal Matar





TOMORROW. BLUE ECONOMY

WORLD CONGRESS

According to the World Bank, the blue economy is the “sustainable use of ocean resources for economic growth, improved livelihoods, and jobs while preserving the health of ocean ecosystem.”

Tomorrow.Blue Economy World Congress brought together the experts and companies making waves within the sector, showcasing the interrelation between environment, society and economy through an interdisciplinary focus on innovation, entrepreneurship, sustainability and education.

“ Coastal cities need to prioritize Blue Economy because the times that are coming will not allow us to use the ocean the way we’ve been using it so far. ”

Emma Cobos

Director of Innovation & Business Strategy | Port of Barcelona

Hosted by:



Global Partner:



Strategic Partners:



Organized by:

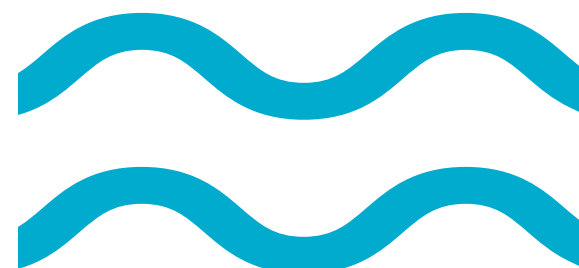


PUZZLE X™



PUZZLE X is the world’s first platform to convene the most bleeding-edge of Frontier Tech for a more sustainable and prosperous future with a focus on MATTERverse: The physical world that we live in.

The event brought together the world’s biggest visionaries, industry leaders, and innovators to discuss about what was once deemed science fiction: quantum computers, printing atoms, sentient cities, molecular food, synthetic biointelligence, ultimate connectivity and virtual-physical hybrids.

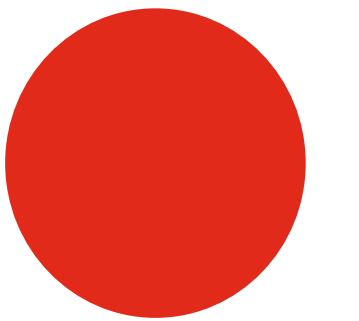


10



**TOMORROW.CITY
& DIGITAL PROGRAM**





KEEPING OUR ONLINE COMMUNITY CONNECTED

TOMORROW.CITY

With the goal to convene all the city changers from around the world who couldn't attend the event, Tomorrow.City, the world's biggest platform devoted to urban innovation, broadcast a Digital Program alongside the in-person Smart City Expo World Congress and Tomorrow.Mobility events in Barcelona. This parallel show featured relevant and exclusive content including interviews and talks with world-renowned experts, live showcase and game-changing solutions, best bits of Smart City Expo and Tomorrow.Mobility Auditorium sessions and side events, as well as connections with a 28,000+ digital audience made up of global city enthusiasts.

All the content is available on demand at [Tomorrow.city](https://tomorrow.city).



**KEYNOTE INTERVIEW
WITH AIRBNB CO-
FOUNDER. NATHAN
BLECHARCZYK**



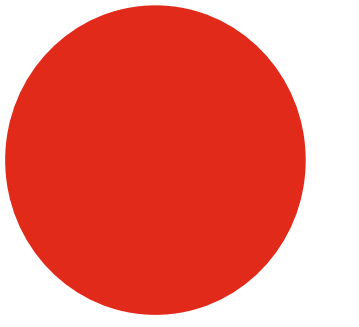
**BOTTOM UP OR TOP
DOWN? POLICIES
AND PARTNERSHIPS
DRIVING THE URBAN
LOW-CARBON
TRANSITION**



**INVISIBLE
ARCHITECTURE AND
OLIGOPOLISTIC
PHYSICS: METAVERSE
AS THE NEXT
FRONTIER OF CITIES**



**EMERGING CITY
PLANET: SHAPING
THE FUTURE OF
MOBILITY AND CITIES**



WHAT'S SAID ABOUT US



I think the beauty of having places like the Smart City World Congress and Tomorrow.Mobility World Congress is that it allows a lot of people from different background -whether they are industry, government, academia, research, startups or just the general public- come and learn about the latest and greatest tools but also to get to understand the latest and greatest policy.



Timothy Papandreou, CEO | Emerging Transport Advisors



The Smart City Expo World Congress is always my favorite show of the year to come visit.... Being able to walk around and learn about the really cool things the people are doing and what cities and countries are doing gets me really excited about the future of smart cities around the world.



Matthew Britt, Global General Manager Smart Cities & Communities | Honeywell



I think the Smart City Expo World Congress is an amazing expo. It's one of the ones I enjoy the most from around the world. It enables us to see the different technologies and how the governments, local cities and regions adapt to them and display their creativity.



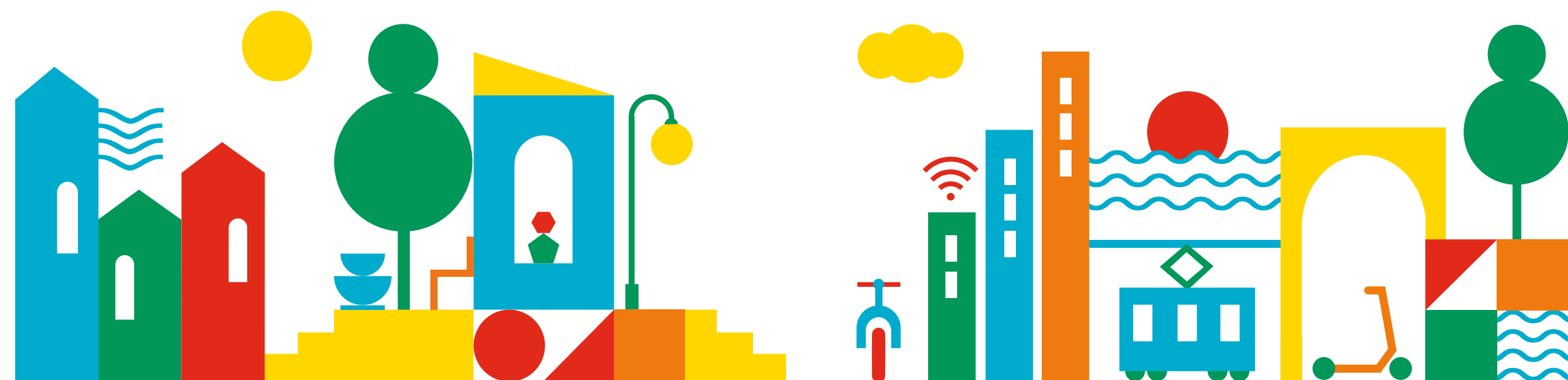
Greg Wilson, Worldwide Public Sector Government Chief Technology Officer | Microsoft



Having an event like this allows us to bring public sector, private sector, academia as well as all kinds of thought leaders to the same place to be able to congregate and meet one-on-one and be able to engage to talk about all their similar problems and challenges as well as the different innovations and solutions we can all provide.



Deann Donahue, Vice President, Specialized Segments lead, Public Sector Center of Excellence| Mastercard



See you next year:

November, 5-7 2024

Don't forget you can relive all congress sessions at [Tomorrow.city](https://tomorrow.city) as well as to catch up on the discussion through our website and social media.

