Japan. Regional Revitalization2.0

City-to-City Collaboration for Well-Being and a Resilient Society

SMARTCITY
EXPO WORLD CONGRESS

4 - 6 NOVEMBER 2025

BARCELONA

JAPAN
Pavilion

Organized by

Smart City Institute Japan

Supported by

JETRO
Japan External Trade Organization

日本商工会議所
The Japan Chamber of Commerce and Industry

日西経済委員会
The Japan-Spain Business Co-operation Committee

Message from Japanese Government

Smart Cities as Platforms for Innovation and Sustainable, Inclusive Science and Technology

As Deputy Director General for Science, Technology and Innovation Policy, the Cabinet Office, I am pleased to introduce Japan's initiatives in smart cities at Smart City Expo World Congress 2025 in Barcelona, Spain.

In Japan, smart cities are positioned not merely as urban development projects but as platforms for generating new value and technological innovation. Based on the principles of Society5.0 and its human-centered society, smart cities integrate digital infrastructure, advanced mobility, data-driven services, and citizen participation to build systems that utilize real-time urban information through digital twins, enabling immediate monitoring, analysis, and improvement of urban conditions. This approach is expected to foster innovative solutions in healthcare, disaster response, environmental sustainability, regional revitalization, and other fields, while contributing to sustainable scientific and technological development and inclusive cities where everyone can benefit.

The Japan Pavilion brings together government agencies, local municipalities, private companies, and academic institutions, sharing their expertise and technologies to demonstrate that smart cities serve as platforms for innovation and for building inclusive and human-centered urban environments. Through these initiatives, Japan showcases practical examples where scientific and technological progress and urban Well-Being are mutually reinforced.

Furthermore, The Secretariat of Science, Technology and Innovation Policy, Cabinet Office is recompiling the Smart City Reference Architecture (SCRA) to systematize these efforts. Moving forward, we aim to collaborate with cities and institutions around the world to share and develop this framework internationally.

We sincerely hope that the Japan Pavilion will provide a platform for dialogue, experience sharing, and collaboration with international partners, promoting global cooperation toward the creation of sustainable, inclusive, and human-centered cities of the future.

Daisuke Kawakami, Ph.D.
Deputy Director General for Science, Technology and Innovation Policy, Cabinet Office

Message from Japan-Spain Business Cooperation Committee

Over the years, through the work of the Japan–Spain Business Cooperation Committee, we have seen our relationship evolve with remarkable depth and vitality. What may appear as two nations far apart in geography and identity has in reality become a bond that is both dynamic and enduring. Our cooperation extends well beyond diplomacy, reaching into politics, trade, culture, science, and technology — fields where every encounter marks a new milestone.

The past decade has been especially meaningful. In 2024 we commemorated ten years since the signing of our defense cooperation agreement, a reminder that Europe and the Indo-Pacific are now inseparable in today's global context. With Japan, a trusted partner with whom we share core values, Spain finds a relationship more relevant than ever.

The Bilateral Committee has been instrumental in providing a forum for companies to exchange knowledge and build collaboration in key sectors — sustainability, renewable energy, digital innovation, and resilience against climate change. This ongoing dialogue is what allows us to anticipate challenges and turn them into opportunities.

Looking ahead, our joint efforts in areas such as energy transition, sustainable mobility, and digital transformation open promising pathways to create real impact, not only for our economies but also for global development. A clear example of this commitment was demonstrated during our most recent Committee meeting in Tokyo in 2025, where we reaffirmed our shared vision and strengthened our common agenda.

I am confident that the Japan Pavilion at SCEWWC will spark new ideas, new alliances, and new opportunities — helping us move together toward a more sustainable and prosperous future.

Mr. José Manuel Entrecanales
Spanish Co-chairman of Japan-Spain Business Cooperation Committee
Chairman and CEO of ACCIONA

Key Message from the Organizer of the Japan Pavilion

Smart City Institute Japan (SCI-Japan) is organizing the Japan Pavilion (Hall 3, Stand C151) and supporting the Tokyo Pavilion (Hall 3, Stand B149). Under the theme of "City-to-City Collaboration for Well-Being and a Resilient Society", the Japan Pavilion consists of around eighteen co-exhibitors from cross-sector organizations, showcasing "human-centric" smart city case studies that address urban challenges such as inclusiveness, carbon neutrality, and urban resilience, utilizing digital technologies such as AI and Digital Twin. SCI-Japan will bring over 150 delegation from Japan from exhibitors and its own study tour participants.

Japan Pavilion: Co-Exhibitors showcasing solutions for urban challenges such as resilience

Japanese government agencies:

- Secretariat of Science, Technology and Innovation Policy, Cabinet Office
- Cabinet Office: Osaka Super City Initiative and Tsukuba Super Science City
- Ministry of Land, Infrastructure, Transportation and Tourism (MLIT) and The "Project PLATEAU", the Digital Twin Initiative in Japan (Co-exhibitors: Eukarya Inc., FORUM8 Co., Ltd., Synesthesias, Inc.)
- JICA (Japan International Cooperation Agency)
- JAXA (Japan Aerospace Exploration Agency)

Municipalities and smart city promotion organizations:

- Sakaimachi
- City of Yokohama

Private companies and cross-sector organizations:

- MITSUBISHI ESTATE CO., LTD. / Mitsubishi Jisho Design Inc.
- NTT DATA JAPAN Corporation
- IIJ (Internet Initiative Japan Inc.)
- Hitachi and Utokyo Joint Laboratory
- Synspective Inc.
- MAP IV, Inc.

Well-Being City Theater

The Japan Pavilion has set up an open theater called the "Well-Being City Theater". Throughout the event, the theater will host a series of presentations by co-exhibitors and joint sessions with our partner countries and organizations from around the world. SCI-Japan will also announce the latest developments in the LWCI® (Liveable Well-Being City Indicators) in this theater. The LWCI has been endorsed by the Japanese government as one of the key performance indicators (KPIs) for Japan's Smart City Policy.

City-to-City Collaboration for Well-Being and a Resilient Society

Following the "Kagawa-Takamatsu Principles of Achieving Sustainable Urban Development Together" (adopted at the G7 Sustainable Urban Development Ministers' Meeting in 2023), SCI-Japan will advance "City-to-City" collaboration beyond borders for well-being and a sustainable society, addressing global environmental crises through collaboration in the development of smart and resilient cities. We look forward to working together toward well-being and a resilient society.

Tatsuya Kitamura
Executive Managing Director
Smart City Institute Japan (SCI-Japan)
Supervisor, Japan Pavilion

Smart City Institute Japan

FLOOR MAP

CONGRESS SESSIONS

Date	Time	Sessions and Speakers	Stage
November 6th	9:30 - 10:15	**Session: Eye in the sky for resilient and healthy cities - apply big data from space (organized by JAXA)** Speakers **Dr. Alex Gluhak** Senior Technical Advisor, Open & Agile Smart Cities (OASC) **Ms. Beatrice Barresi** Senior Sustainable Applications Officer, European Space Agency (ESA) **Ms. Coco Antonissen** Programme manager space applications, Netherlands Space Office (NSO) **Mr. Takayuki Odawara** Executive Officer, GM of Business dept., Synspective Inc. Moderator **Mr. Yusuke Muraki** Senior Administrator, Japan Aerospace Exploration Agency (JAXA)	IMPACT TECH STAGE
	14:10 - 14:55	**Session: Virtual Reality, Real Insights: How Digital Models Predict Urban Futures** Speakers **Ms. Yuka Sogawa** Senior Deputy Director of International and Digital Policy Division City Bureau, Ministry of Land, Infrastructure, Transport and Tourism **Dr. Nora Reinecke** Senate Chancellery of the Free and Handseatic City of Hamburg Project – Overall Project Lead **Dr. Annina Autero** City of Tampere – Head of Development Chair **Ms. Cormeria Levy-Bencheton** CLB Strategic Consulting	TECH X CITIES STAGE
	14:40 - 15:25	**Session: Digital Twins & AI: matching Innovation and Challenges** **Dr. Daisuke Kawakami** Deputy Director General for Science, Technology and Innovation Policy, Cabinet Office **Mr. Michael Donaldson** Barcelona City Council – Chief Innovation Officer-Director for the BIT Habitat Foundation-City – Barcelona	IMPACT TECH STAGE

Tokyo Metropolitan Government

"Smart Tokyo," the most tech-enabled, convenient and comfortable city

Tokyo is driving the digital transformation of government services to create a more convenient and comfortable life for all residents throughout the city.

ABOUT TOKYO PAVILION

● Beating the Heat

[Bureau of Environment, Tokyo Metropolitan Government]

A system that visualizes WBGT on a map has been implemented to mitigate health risks from extreme heat and promote heatstroke prevention.

● Flood Control Measures

[Bureau of Port and Harbor, Tokyo Metropolitan Government]

By leveraging AI to forecast water levels during storm surges, precise floodgate operations are made possible, contributing to the prevention of urban flooding.

● Measures against Earthquakes

[Tokyo Metropolitan Government Technology Council]

To minimize damage from major earthquakes and other emergencies, both structural and non-structural disaster prevention measures are actively being implemented in Tokyo.

● TOKYO Resilience Project

[Office of the Governor for Policy Planning, Tokyo Metropolitan Government]

The TOKYO Resilience Project —Aiming for Safety for the Next 100 Years— outlines measures addressing five key disaster risks: storm and flood, major earthquake, volcanic ash, disruptions to power and communication infrastructure, and emerging infectious diseases.

● Disaster Mitigation

[TAISEI CORPORATION]
[NIPPON STEEL KOWA REAL ESTATE CO.,LTD.]

The impact of natural disasters such as floods on cities can be assessed in advance through simulations based on digital twins, enabling effective countermeasures to mitigate damage.

● Disaster Response

[The Council for Area Development and Management of Otemachi, Marunouchi, and Yurakucho / Mitsubishi Estate Co.]
[East Japan Railway Company]
[Shimizu Corporation]
[Tokyu Land Corporation / SoftBank Corp.]
[Shibuya City]
[Ota City (HANEDA INNOVATION CITY)]

Through the use of regional apps and other tools, a phase-free system has been developed that fosters community engagement and circulation in daily life, while ensuring rapid dissemination of disaster-related information and evacuation guidance in emergencies.

● Smart Solutions Be Smart Tokyo

[Nefront Inc.]
[xMap]

By collaborating with startups, Tokyo creates new services to enhance the QOL (quality of life) of residents, workers, and all kinds of people in Tokyo.

● Tokyo Bay eSG Partner

Smart Surfaces for Sustainable Cities

[NIKON CORPORATION/bionic surface technologies]

Microstructured riblet surfaces cut friction and energy use, reducing CO_2 and supporting smart, sustainable cities.

Realizing Resilient Urban Development through Digital Twin Technology and Advanced Disaster Prediction Simulations

[Space Data Co., Ltd.]

Technology that enables autonomous driving, robotics, and human flow simulation in urban development, as well as real-time disaster detection and disaster simulation in disaster prevention.

Universal Navigation for Smart Cities

[Ashirase, Inc.]

We developed the world's first navigation device for visually impaired people and are expanding globally in 2025 with universal indoor & outdoor navigation for smart cities.

Waterless HemoDialysis Solution

[Physiologas Technologies Inc.]

A compact, safe, and simple home hemodialysis device that works without water supply or plumbing, ensuring care independent of water infrastructure.

● SusHi Tech Tokyo & Tokyo Bay eSG Project

[Startup Strategy Promotion Headquarters]

As part of SusHi Tech Tokyo's international outreach, the Tokyo Metropolitan Government will showcase cutting-edge technologies by four Tokyo Bay eSG partners.

Under the concept of creating a sustainable city with high technology, the Tokyo Metropolitan Government has been promoting "**Sus**tainable **Hi**gh City **Tech Tokyo**," or "SusHi Tech Tokyo" for short, to convey the challenge of solving urban issues and the diverse attractiveness of the capital city.

SusHi Tech TOKYO
Sustainable High City Tech Tokyo

TOKYO METROPOLITAN GOVERNMENT

Tokyo Metropolitan Government
2-8-1 Nishishinjuku, Shinjuku-ku, Tokyo, Japan
URL https://www.metro.tokyo.lg.jp/english/index.html

City of Yokohama

Join Us in Yokohama in 2027!

Event Facts

Duration
Mar 19 – Sep 26, 2027

Host City
Yokohama

Expo Area
100 hectares

Classification
A1 (Highest) Class
*Approved by AIPH and recognized by BIE

Expected Visitors
Over 10 million

GREEN×EXPO 2027 at a glance

- Not just flowers and plants. Let's explore how to live in harmony with the Earth.
- Yokohama (Kamiseya) is a place that symbolizes friendship and peace.
- After the EXPO, the site will become a park that can serve as an emergency relief center.

MITSUBISHI ESTATE CO., LTD. / Mitsubishi Jisho Design Inc.

Land Use After GREEN×EXPO 2027

Even after GREEN×EXPO 2027, Kamiseya will continue to be developed as a vibrant city centered around a theme park.

Mitsubishi Estate envisions a world-class, next-generation theme park in Kamiseya, following GREEN×EXPO 2027.

By harnessing Japan's renowned content and cutting-edge technology, this next-generation theme park will serve as the centerpiece of a vibrant new urban district — an oasis of nature right in the heart of the Tokyo metropolitan area.

This will be a place that is always evolving — constantly offering fresh experiences and inspiration through a city built around a next-generation theme park that celebrates Japanese creativity and innovation.

Our vision extends beyond entertainment. We aim to create a green city that carries forward the legacy of GREEN×EXPO 2027, achieving sustainable harmony with nature. By implementing advanced Green Transformation (GX) and Digital Transformation (DX) technologies, we will establish a framework to support long-term, resilient urban development.

The project will become a hub for Japan's content industry, while also establishing a new international destination in Yokohama — capable of attracting 15 million visitors annually. It will showcase a sustainable lifestyle in harmony with nature, inviting visitors to experience, connect, and return back.

As a landmark for culture, innovation, and community, Kamiseya will open the future of Japan to the world, connecting people from across the globe and inspiring generations to come.

MITSUBISHI ESTATE CO., LTD. / Mitsubishi Jisho Design Inc.

Green Loop: Shaping the Future of Urban Development

Green Loop Concept and Vision

Green Loop focuses on four environmental themes, creating a greener future while enhancing well-being and adding value to local communities.

In today's urban development, we face unprecedented need for social responsibilities. Cities are not only clusters of skyscrapers, but also high-density destinations such as theme parks, where large numbers of people gather.

Green Loop, building on the fundamental functions of green spaces, aims to mitigate the negative impacts of energy consumption, urban heat-island effect, CO_2 emissions, disaster vulnerability, and waste management.

These challenges are framed around four urgent themes: Carbon Neutrality, Circular Economy, Nature Positive, and Resilience.

By addressing these challenges, Green Loop provides practical solutions and actively contributes to creating a greener, more sustainable future. As a large-scale urban green space, not only it enhances the city's landscape but also generates social and environmental value for the local community.

Moreover, Green Loop is designed as a accessible space for well-being to everyone, where people can connect with nature, enjoy healthy recreation, and experience a sense of harmony with their surroundings.

Through the Green Loop, we envision transforming urban development into an integrated model of Next Green Urbanism — demonstrating how cities can thrive sustainably while balancing innovation, community, and nature.

Green Loop Design Approach

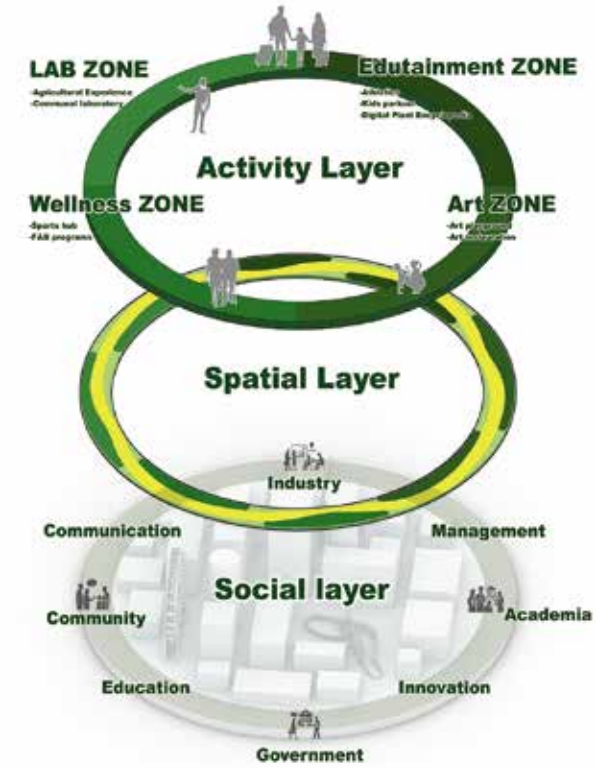
The Green Loop is built on three interconnected layers that create a sustainable and engaging urban space.

At its core, the Spatial Layer drives innovation. Using science-based, evidence-driven methods, it integrates cutting-edge technologies to reduce environmental impacts. Focusing on Carbon Neutrality, Circular Economy, Nature Positive, and Resilience, it showcases practical solutions for a forward-looking, sustainable city.

The Activity Layer transforms the Green Loop into a vibrant space for everyone. Each section is carefully designed to reflect local context and land use, hosting unique experiences that educate and delight both residents and visitors. Walking, cycling, and moving through the Green Loop becomes an enjoyable journey filled with discovery.

The Social Layer ensures the system's long-term success. By engaging local governments, communities, academia, and industry, it fosters collaboration, allowing the Spatial and Activity layers to function efficiently and sustainably.

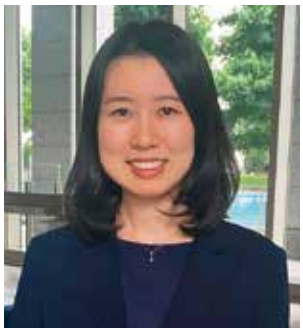
Together, these layers create a living urban ecosystem where innovation, nature, and community converge — demonstrating how cities can thrive while remaining harmonious with the environment.



Three interconnected layers create the Green Loop which is sustainable and engaging urban space.

Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

PLATEAU: Enhancing Urban Well-Being with 3D City Models

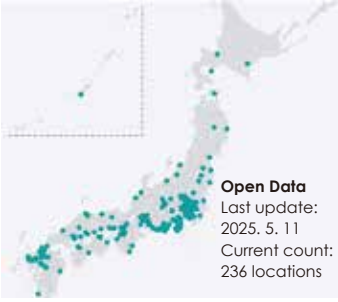


Yuka Sogawa
Senior Deputy Director of International and Digital Policy Division

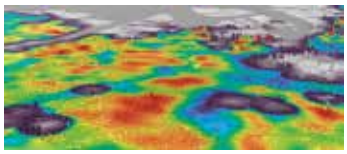
Launched by Japan's Ministry of Land, Infrastructure, Transport and Tourism (MLIT) in 2020, Project PLATEAU aims to develop, utilize, and open data from 3D city models. This initiative seeks to enhance the well-being of citizens by promoting smart city development, such as an effective urban planning, disaster management, tourism and so on.

MLIT aims to advocate the universal usefulness of 3D city models by serving PLATEAU as a role model for urban policies and inspire other participating cities to take an action. While attention to digital twins is increasing, there have been few cases where a digital twin has been extensively developed at the nationwide. In this context, MLIT also aims to promote PLATEAU's innovative aspects such as practical data utilization, open data policy, the participation of diverse players, and development across a wide range of industries.

The presence of Project PLATEAU as a driving force for smart city development is rapidly increasing, resulted in the outcome that MLIT co-hosted 3D Geo Info and Smart Data & Smart Cities in Japan with the University of Tokyo last September. At SCEWC, by showcasing use cases of PLATEAU data, we expect to accelerate networking and foster new collaborations.



PLATEAU by MLIT



URL https://www.mlit.go.jp/plateau/
E-mail https://www.mlit.go.jp/plateau/contact/

Three companies introduced below join PLATEAU booth at this exhibition.

FORUM8 Co., Ltd.

FORUM8 has provided software and technology services for civil engineering and construction since its foundation, expanding into virtual reality, transportation, automotive research, and information systems. As demand for safety and security grows, FORUM8 advances its mission to contribute to society through innovative software development and service technology.

URL https://www.forum8.com/
E-mail f8tokyo@forum8.co.jp
A-21F, Shinagawa Intercity, 2-15-1 Konan, Minato-ku, Tokyo 108-6021, Japan

Synesthesias, Inc.

We develop and provide digital solutions for urban planning, transportation, and infrastructure, centered on spatial computing technology. Our offerings include the urban design simulation tool "CityVision," the mobility and tourism experience solution "RideVision," and the real estate and urban development digital transformation platform "ZEKUU PLACE." Through these initiatives, we are driving digital transformation across urban planning, infrastructure, and mobility.

URL https://synesthesias.jp/
E-mail pr@synesthesias.jp
9th Floor, CIRCLES Shiodome, 2-9-1 Higashi-Shinbashi, Minato-ku, Tokyo 105-0021, Japan

Eukarya Inc.

Eukarya develops and operates Re:Earth, a next-generation data platform built on an "Open & Public" philosophy. Designed for intuitive usability, it enables anyone to manage, distribute, access, share, and utilize complex urban data, including GIS datasets. Adopted by Japan's MLIT for Project PLATEAU, Re:Earth supports nationwide 3D urban models and advances digital twin and smart city initiatives.

URL https://eukarya.io
E-mail project@eukarya.io
Yebisu Garden Place Tower 27F, 20-3, Ebisu 4-chome, Shibuya-ku, Tokyo 150-0013, Japan

Cabinet Office

Super City Initiative: Aiming for the Advanced Realization of Future Society

The Japanese government has designated City of Tsukuba in Ibaraki Prefecture and Osaka Prefecture/ Osaka City as Super Cities.

These cities are contributing to provide new services across a wide range of areas related to daily life by utilizing digital technologies and regulatory reforms, aiming for the advanced realization of a future society around 2030.

Overall image of Japan's initiatives of Super Cities realizing a future society.

The government aims to realize services for daily life, including mobility, logistics, health, urban development, and administrative procedures.

Cabinet Office, Government of Japan
1-11-39 Nagata-cho, Chiyoda-ku, Tokyo 100-0014, Japan
URL https://www.chisou.go.jp/tiiki/kokusentoc/english/super-city/index.html
E-mail g.super-city.i9e@cao.go.jp

つくば市 TSUKUBA

Tsukuba Super Science City Initiative: Creating new choices and diverse happiness through science

City of Tsukuba, the largest science and technology city in Japan, was designated as a "Super City-type National Strategic Special Zone" by the Japanese government in April 2022. Under the banner of the "Tsukuba Super Science City Initiative," it promotes the social implementation of advanced services utilizing AI and robotics technologies, in collaboration with universities, research institutions, enterprises and residents. City of Tsukuba aims to optimize urban functions and address social challenges, realizing a resident-centered smart city of the future and driving innovation in various fields such as healthcare and mobility.

"Co-Creating" with universities, research institutions, companies and residents

City of Tsukuba engages in ongoing dialogue with its residents and aims to realize a resident-centered Smart City.

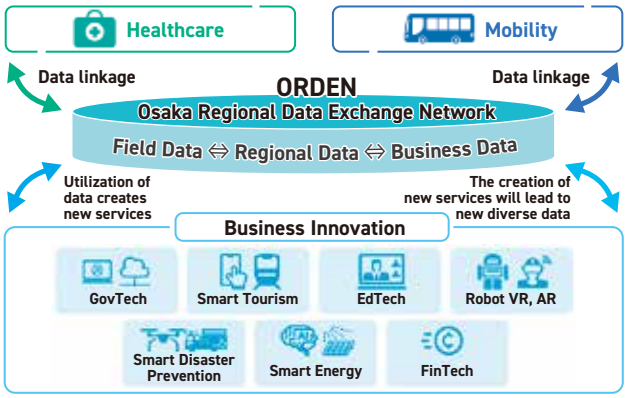
City of Tsukuba
1-1-1, Kenkyu-gakuen, Tsukuba, Ibaraki 305-8555, Japan
URL https://www.city.tsukuba.lg.jp/ E-mail sts03@city.tsukuba.lg.jp

Osaka Prefectural Government / City of Osaka 大阪市

Osaka Super City Initiative

To drive Japan's economical growth, Osaka will lead in realizing a cutting-edge future city. Leveraging the success of the Expo 2025 Osaka, Kansai, Japan, we will implement advanced services, making the Expo, a foundation for Osaka's further progress. Even after the Expo, we aim to enhance the quality of life (QoL) for residents and strengthen urban competitiveness by creating mechanisms in which advanced services are continuously generated — not only through further development in areas such as Yumeshima and Umekita Phase 2, but also in new areas — and by building a virtuous cycle that lead to their social implementation.

An Osaka where every resident's QoL improves and the city continues growing



Osaka aims to promote business through innovation in a future business city, where opportunities abound in a comfortable environment.

Osaka Prefecture 1-14-16 Nankokita,Suminoe-ku,Osaka-shi 559-8555, Japan
URL https://www.pref.osaka.lg.jp/o060040/tokku_suishin2/supercity/index.html
E-mail supercity@gbox.pref.osaka.lg.jp

City of Osaka 1-3-20 Nakanoshima, Kita-ku, Osaka 530-8201, Japan
URL https://www.city.osaka.lg.jp/ictsenryakushitsu/page/0000592767.html
E-mail bb0006@city.osaka.lg.jp

Cabinet Office

Building SCRA5 Together: An International Call for Inclusive Smart Cities

Japan's Society 5.0 envisions a human-centered and inclusive future by merging physical and digital spaces. To realize this vision, the government is advancing Smart Cities and developing the Smart City Reference Architecture (SCRA5). Designed to guide the creation of a digital twin society, SCRA5 will integrate static and dynamic data via NGSI-LD and harness AI, including large language models. We strongly encourage international experts to join us in co-creating SCRA5, sharing knowledge and shaping inclusive, sustainable, and globally connected Smart Cities of the future.

Global Collaboration for SCRA5

A global initiative to design the Smart City Reference Architecture for inclusive, human-centered, and sustainable societies.

SCRA5

Cabinet Office, Government of Japan
Central Government Building No.8(6F) 1-6-1 Nagatacho Chiyoda-ku Tokyo 100-8914, Japan
URL https://www.cao.go.jp/index-e.html E-mail smartcity.ax6@cao.go.jp

茨城県 境町 TOWN OF SAKAI

Creating a well-being town where everyone can continue to live

Sakaimachi has a population of approximately 24,000 people and an aging rate of over 30%. There is no train station in Sakaimachi, so people rely on cars for transportation, and elderly people in particular have limited means of transportation for daily tasks such as going to the hospital or shopping.

In order to overcome this situation, Sakaimachi has implemented measures such as self-driving buses, medical MaaS using health data, drone delivery, and a visiting town hall. We aim to be a town where you can continue to live happily with your family and friends.

Japan's first self-driving bus in regular operation on public roads

Since November 2020, Sakaimachi has been operating self-driving buses regularly on public roads, the first of its kind in Japan.

Sakaimachi, Ibaraki pref.
Sakai-Town, Sashima District, Ibaraki 306-0495, Japan
URL https://www-town-ibaraki--sakai-lg-jp.translate.goog/index.html?_x_tr_sl=ja&_x_tr_tl=en&_x_tr_hl=ja
E-mail kikakukeiei@town.ibaraki-sakai.lg.jp

MAP IV

AI-Powered Digital Twins for Efficient Infrastructure Inspection and Safety

Aging public infrastructure poses serious challenges. Traditional infrastructure inspections rely on manual work, are time-consuming, and costly. Our AI-powered Mobile Mapping System (MMS) and powerful software create high-precision digital twins quickly, affordably, and effortlessly. Our solutions automate data processing for accurate mapping and support inspections of roads, power, railways, and municipal facilities.

Beyond data collection, the system compares previous and current measurements to generate actionable insights. Some of the use cases include automated road damage detection, identification of tilted utility poles, or recognition of unsafe distances between power lines and nearby structures. Our products support maintenance teams to work efficiently while enhancing public safety.

Turning Data into Action: AI-Powered Insights for Safer Infrastructure Maintenance

Left: Spatial Data Collection while Driving
Right: Automated Power Line and Tree Proximity Alerts

MAP IV solutions enable actionable insights through secure, local processing — no cloud needed — creating AI-driven digital twins for efficient inspections.

MAP IV, Inc.
2-8-1 Nishiki, Naka-ku, Nagoya City, Aichi Prefecture 460-0003, Japan
URL https://www.map4.jp E-mail contact@map4.jp

The Largest Satellite Earth Observation community in Japan

The Consortium for Satellite Earth Observation (CONSEO), established in 2022, serves as a platform to enhance Industry, Academia, Government partnerships of Satellite Earth Observation in Japan. CONSEO now includes over 300 organizations from these sectors. For those seeking solutions or partners to address societal challenges and diverse market needs, CONSEO connects them with Japanese companies and academic groups offering expertise and technologies in satellite Earth observation. In this edition, CONSEO introduces benefits and use cases of satellite applications in smart cities, focusing on areas such as Achieving Carbon Neutrality, Disaster Management & Infrastructure Monitoring, Urban Planning & Digital Twins, and Smart Agriculture.

CONSEO can support Social/Technology by offering satellite data service/solution

CONSEO is operated by JAXA (Japan Aerospace Exploration Agency) as the secretariat.

Consortium for Satellite Earth Observation (JAXA)
2-1-1 Sengen, Tsukuba-shi, Ibaraki 305-8505, Japan
URL https://global.jaxa.jp/ E-mail ohteki.yuto@jaxa.jp

Dynamic Urban Development and the "Evolving Digital Twin"

"Space x Ground Intelligence" combines insights from Synspective's satellites with diverse ground-based data, creating a living compass that enables cities to Think, Decide, and Act on their own. Synspective is dedicated to building a future of sustainable cities by creating a safe, secure, and comfortable daily life for every citizen.

Analysis of ground risks in mm with SAR Satellites in Jakarta, Indonesia

Land Displacement Monitoring (LDM) Solution applies InSAR analysis technology with continuous satellite monitoring to detect ground deformation in millimeters over a wide area.

Synspective Inc.
Miyoshi 3-10-3, Koto-ku, Tokyo 135-0022, Japan
URL https://synspective.com/ E-mail safun@synspective.com

Innovating Today for a Resilient Tomorrow with D-Resilio

Due to the impacts of climate change, global disaster risks are increasing.

In any disaster, limited human resources can efficiently and safely assess damage using advanced technology.

D-Resilio is a platform that enables data collaboration beyond organizational and institutional boundaries, helping people in times of crisis.

Rapid data sharing allows seamless coordination between self-help, mutual assistance, and public support.

By utilizing Generative AI on integrated data, D-Resilio provides individuals with what they need in real time, and promotes the creation of a highly resilient society that maximizes human potential.

Forging a Future of High Resilience

D-Resilio enables a highly resilient society by leveraging digital power to support proactive disaster response and collaborative decision-making.

NTT DATA JAPAN Corporation
Toyosu Center Bldg. Annex, 3-3-9, Toyosu. Koto-ku, Tokyo 135-8671, Japan
URL https://www.nttdata.com E-mail dresilio-contact@am.nttdata.co.jp

IIJ Internet Initiative Japan

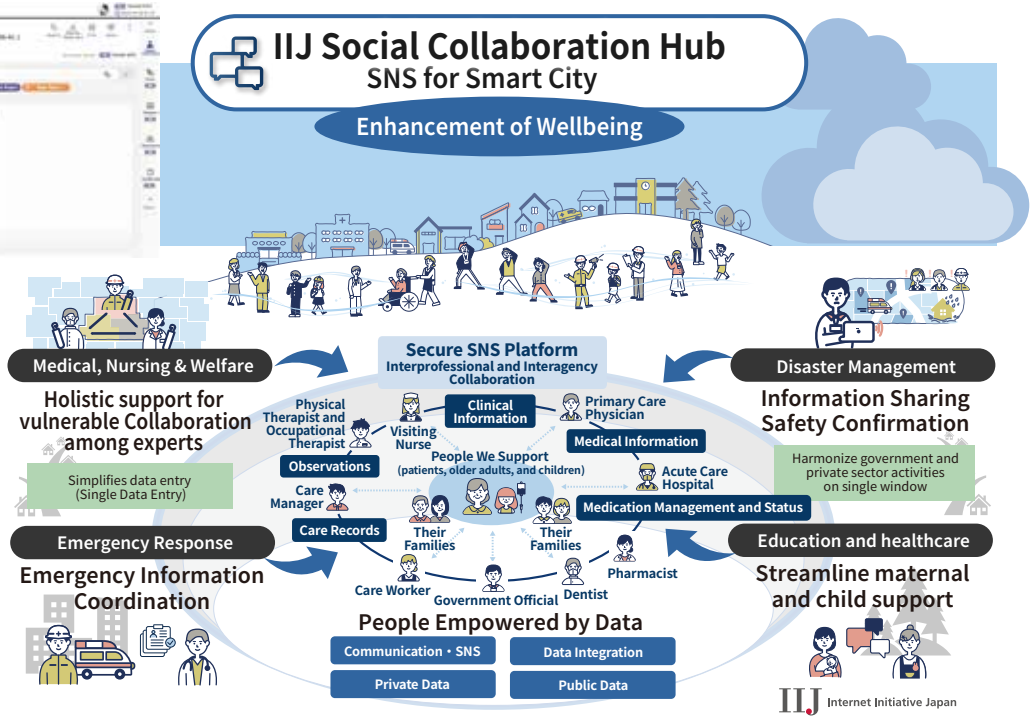
"IIJ Social Collaboration Hub": Enriching community wellbeing through a secure SNS platform

"IIJ Social Collaboration Hub" is a secure SNS platform that connects professionals across healthcare, welfare, nursing, government, and even emergency response. It supports residents throughout their lives — from children to elderly.

IIJ, a leading provider of network, cloud, and cybersecurity, delivers this platform on its advanced infrastructure, enabling safe and reliable data sharing for public administrations that support local communities.

"IIJ Social Collaboration Hub": Support communities — from children to elderly, and emergency response

IIJ Social Collaboration Hub Screen Image



EN

JP

https://www.iij.ad.jp/en/biz/e-note/
https://renrakucho.iij.jp/

Internet Initiative Japan Inc.
Iidabashi Grand Bloom 2-10-2 Fujimi, Chiyoda-ku, Tokyo 102-0071, Japan
URL https://www.iij.ad.jp/ E-mail pub-dx-office@iij.ad.jp

H-UTokyo Lab.
Hitachi and UTokyo Joint Research

Urban Well-being for Mega City

Society 5.0 is a super smart society that enriches people's lives. H-UTokyo Lab is running Habitat Innovation Project to realize Society 5.0, where people live a comfortable, energetic and high-quality life.

Currently, we are developing "Tokyo Smart City 2030 Plan" to achieve urban well-being for the mega city through a human-centric, diverse, sustainable, pleasurable, and slow-digital life.

The exhibition showcases explorations of how VR can help evaluate the comfort of urban spaces and how AI can support creative practices, embodying slow-digital approaches to urban well-being.

Experience countless parameter changes in a virtual space to simulate urban well-being in a smart city

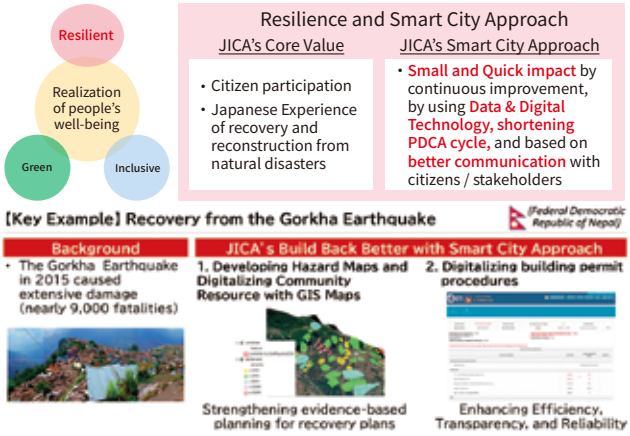
"Tokyo Smart City 2030 Plan" achieves urban well-being for the mega city through a human-centric, diverse, sustainable, pleasurable, and slow-digital life.

H-UTokyo Lab. 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan
URL https://www.ht-lab.ducr.u-tokyo.ac.jp/en/
E-mail office@koshizuka-lab.org

Co-Creating Resilient Cities with Developing Countries for realizing people's well-being

JICA is an implementing agency of Japanese development cooperation for the purpose of supporting the socioeconomic development, recovery or economic stability of developing countries and regions. In the field of urban and regional development, JICA is working with stakeholders and supporters to tackle various kinds of urban issues that cities of developing countries are facing in order to "achieve the SDGs", which incorporate the principles of human security". JICA aims at co-creating resilient cities with developing countries for realizing people's well-being by introducing Japanese good examples of smart city approach.

Co-Creating Resilient Cities with Developing Countries for realizing people's well-being



Japan International Cooperation Agency (JICA)
Nibancho Center Building 5-25, Niban-cho, Chiyoda-ku, Tokyo 102-8012, Japan
URL https://www.jica.go.jp/ E-mail Tanaka.Yoichiro@jica.go.jp

Creating Region-to-Region Partnerships between Catalunya and Japanese Prefectures and Cities

The growing ties between Catalunya and Japan have been strengthened through concrete and symbolic milestones. One of the most remarkable achievements has been the signing of a Memorandum of Understanding (MoU) between the Government of Catalunya and Kyoto Prefecture in May 2025. This agreement not only reflects the historic cultural affinities between both societies but also opens new avenues for collaboration in fields such as innovation or sustainability.

The celebration of the Catalunya-Japan Year further reinforced these efforts, providing a privileged platform to deepen cultural exchanges, stimulate economic cooperation, and highlight the potential of regional diplomacy. Beyond traditional state-to-state frameworks, the focus on sub-state and regional actors has proven essential in addressing the complex challenges faced by 21st century societies. Cities and regions are increasingly becoming the drivers of innovation, sustainability, and social inclusion; therefore, fostering direct partnerships between Catalunya and Japanese prefectures is a forward-looking approach.

In this context, Catalunya's active involvement in the EU-Japan Innovation Cooperation Program represents a decisive step forward. This program provides an institutional framework to promote collaboration between European and Japanese regions in cutting-edge fields such as digital transformation, green technologies, smart mobility, and health innovation. By participating in this initiative, Catalunya not only strengthens its bilateral dialogues with Japanese prefectures but also positions itself within a broader European strategy aimed at building transnational innovation ecosystems.

The program creates opportunities for Catalan research centers, universities, and companies to engage directly with Japanese counterparts, fostering joint projects and co-creation processes. This allows both sides to share expertise while addressing global challenges such as climate change, demographic shifts, and energy transition. Ultimately, Catalunya's contribution to the EU-Japan Innovation Cooperation Program reinforces its role as a proactive regional actor, demonstrating how territorial diplomacy and innovation policies can converge to enhance prosperity, sustainability, and shared human values.

Mr. Jaume Duch Guillot
The Minister for European Union and Foreign Action

Liveable Well-Being City Indicator
A New Smart City Approach from Japan

Takehiko Nagumo
Representative Director
Smart City Institute Japan

As Japan's smart city projects progress into the implementation phase, it is crucial that efforts in smart cities and urban design extend beyond the mere application of technology to actively enhance citizens' well-being. To better visualize the impact of these policies, SCI-Japan developed Japan's own evaluation system of well-being called the "Liveable Well-Being City Indicator (LWCI)" to further smart city development and improve citizen's well-being.

Approximately 200 regions (municipalities and prefectures) have already incorporated the LWCI into their policymaking processes. This includes regions selected for the "Digital Garden City Initiative Promotion Subsidy," as the adoption of the LWCI is a prerequisite for receiving this subsidy. Introduced in FY 2022, this Japanese government subsidy aims to assist local governments in leveraging digital technology and data linkage platforms to address local challenges and revitalize regional economies.

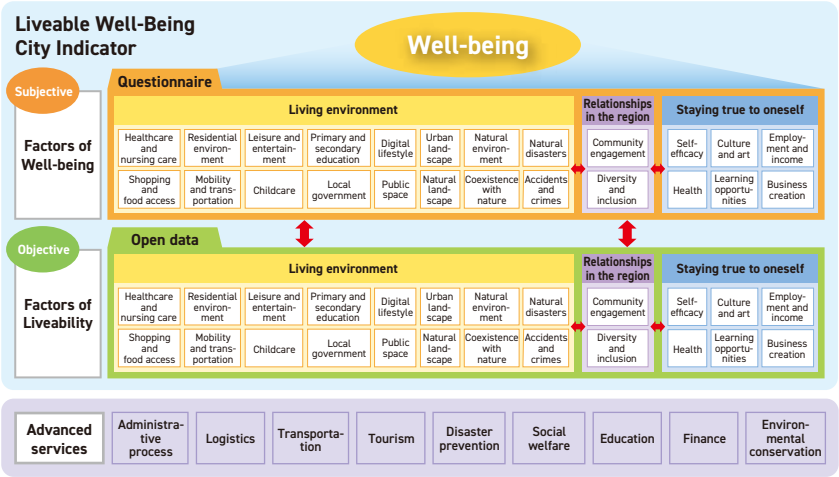
The LWCI was developed and introduced for the following purposes.

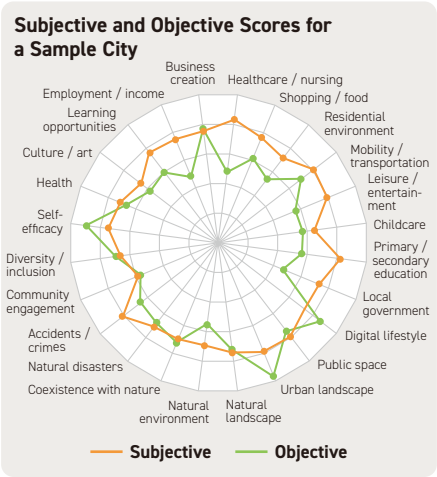
- ✔ Recognize "human-centric" principles in smart cities development.
- ✔ Visualize "Liveability" and "Well-being" from the viewpoint of citizens.
- ✔ Create opportunities for local governments to "refine originality" rather than compete their ranking.
- ✔ Incorporate international frameworks such as those of the WHO.
- ✔ Utilize both objective and subjective data. Open and free.
- ✔ Use for evidence-based policy making (EBPM) and wise spending in smart city development.

The LWCI is a comprehensive evaluation tool of cities and is composed of 24 categories of subjective indicators and 24 corresponding categories of objective indicators. The 24 categories can be divided into four domains: "urban environment," "natural environment," "community relations," and "staying true to oneself".

Both the survey results of the subjective index indicator and the open data that make up the objective index indicator are published on the SCI-Japan's website of the Digital Agency. We have also developed a user-friendly dashboard where one can visualize the LWCI data and compare one's city with another.

During last year's Smart City Expo, we engaged in discussions with cities worldwide on how to evaluate citizens' well-being. Tampere City in Finland has introduced a well-being indicator to develop its own local version, and we are planning to create a global network of cities that share a common framework for well-being. We look forward to exploring opportunities for collaboration with you to evaluate and enhance the well-being of your city's citizens.





Smart City Institute Japan
URL https://www.sci-japan.or.jp/english/index.html E-mail digital-society@murc.jp

Premiere Events Information on DAY 1 Nov. 4

The program is subject to change.

@ ICEX Booth (Hall 2 - D100) (See P.4 Floor Map)

Sustainable Mobility Policies and Case Studies

Time	Main Program / Speakers
16:00 – 18:00	1 **Mobility Policy and Best Practices in Madrid** **Mr. Pedro Fernandez** Director of Transport Planning and Infrastructure, City of Madrid
	2 **Mobility Policies and Challenges in Japan** **Mr. Tak Nagumo** Representative Director, Smart City Institute Japan **Mr. Hiroyoshi Watanabe** Senior Manager, KPMG Consulting Co., Ltd.
	3 **Presentations by Japanese Cities and Private Sectors**

@Well-Being City Theater (in Japan Pavilion Hall 3) (See P.4 Floor Map)

1) Special Event for the Japan-Catalonia Year

Towards Co-Creating Innovation between Regions and Cities in Catalonia and Japan

Time	Program
16:10 – 16:25	**Special Session on the Arts** Electric cello performance by Barcelona-born cellist Mr. Taichi Tsukumo Digital Kamishibai (Picture story show) "VIRTUAL CITY BCN -Barcelona"
16:30 – 16:50	**Special Talk** **Ms. Núria Montserrat Pulido** Minister of Research and Universities, Government of Catalonia

2) Japan Night – Networking "Japanese Sake" Reception (Invitation Only)

Time **17:00 – 19:00** (Subject to Change)

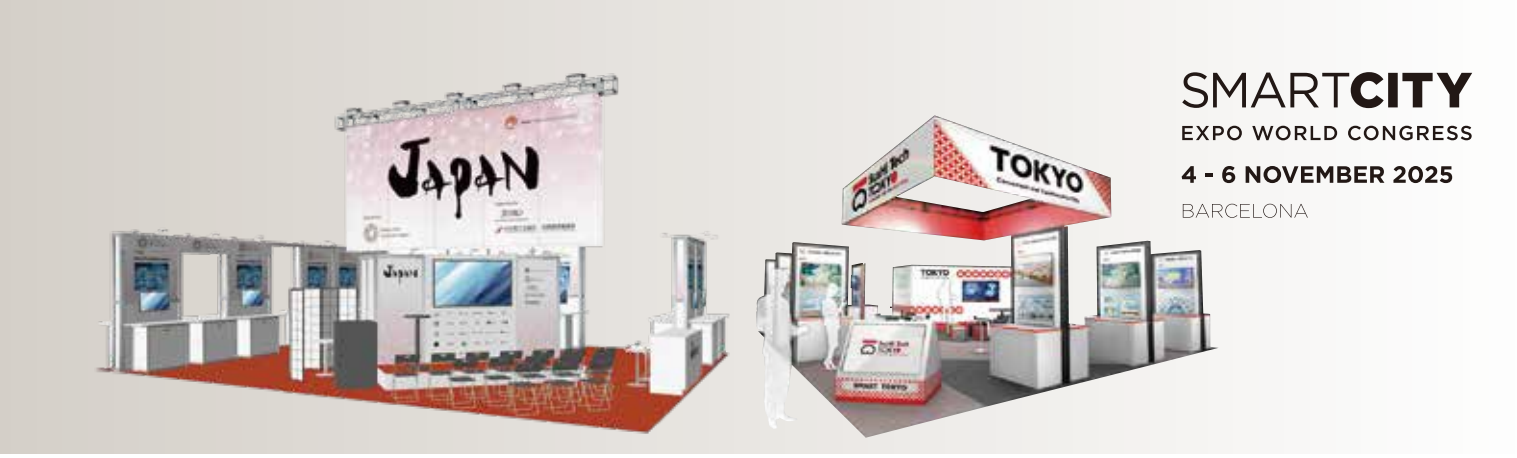
Don't miss stopping by "Well-Being City Theater"

Over 40 sessions!

You will discover Japanese technologies and "human-centric" smart city case studies that address urban challenges such as inclusiveness, carbon neutrality, and urban resilience.

Please download & check the program

SCAN HERE



SMARTCITY
EXPO WORLD CONGRESS
4 - 6 NOVEMBER 2025
BARCELONA

Exhibitors

Cabinet Office
SCRA5
Super City
J-Tech challenges SDGs
TOKYO METROPOLITAN GOVERNMENT
OPEN YOKOHAMA
MITSUBISHI ESTATE
Mitsubishi Jisho Design
MLIT
Ministry of Land, Infrastructure, Transport and Tourism
FORUM8
フォーラムエイト
SYNESTHESIAS
Eukarya
つくば市
TSUKUBA
Osaka Prefectural Government
City of Osaka
大阪市
茨城県
境町
TOWN OF SAKAI
MAP IV
CONSEO
衛星地球観測コンソーシアム
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