



Concept Note and Programme Agenda

**International Training Workshop on Smart Cities for
Building Inclusive, Resilient, Livable, and Sustainable Cities and
Communities in Asia and the Pacific**

Nagoya International Centre, Nagoya, Japan

29 August- 1 September 2023

1. Introduction:

Asia-Pacific is the most populated and rapidly urbanizing region in the world. Currently, Asian-Pacific cities are home to more than 54% of the world's urban population. By 2030, this number is expected to increase to 2.6 billion people¹. As cities are hubs for economic growth, knowledge centers, and business opportunities, cities account for 70 to 80% of their gross domestic product. Within the next 30 years, it is anticipated that the rapid population growth and economic activity in the cities of the Asia Pacific region will boost the regional economic output and become more than half of the global GDP, trade, and investment². This provides a lot of opportunities for cities and at the same time numerous challenges for building safe, smart, resilient, livable, and sustainable cities and communities.

Cities from Asia and the Pacific are already facing numerous development challenges that have serious impediments to progress and sustainable growth. The major challenges include uncontrolled population growth; rapid urbanization; inadequate and aging infrastructure; rising inequalities and urban segregation; environmental vulnerability; global warming and climate change, among others. Most recently challenges to public health due to the COVID-19 pandemic severely impacted Asian cities. At the same time, global climate change impacts and climate-induced natural disasters pose serious threats to the sustainability of the region. Studies show that 99 of the world's most dangerous cities are located within the Asia Pacific region.³ Climate change may cause up to 77 million additional urban dwellers to live in poverty by 2030, and cities globally may lose \$314 billion annually due to a lack of serious measures to make them more resilient⁴. Therefore, there is an urgent need to build cities and communities safer and more resilient through innovative and smart solutions.

In recent years, the smart city model has emerged to become a popular solution, both in developing and developed countries to tackle urban challenges. Although the concept of a smart

¹ <https://population.un.org/wup/Publications/Files/WUP2018-Report.pdf>

² [Strategy Paper: Sustainable and Inclusive Urbanization in Asia Pacific | United Nations Development Programme \(undp.org\)](https://www.un.org/development/desa/pubs/wp-content/uploads/2019/04/Strategy-Paper-Sustainable-and-Inclusive-Urbanization-in-Asia-Pacific-United-Nations-Development-Programme-undp.org)

³ <https://www.unescap.org/kp/2022/transport-and-communication-bulletin-asia-and-pacific-no-92-environmental-sustainability>

⁴ <https://www.unescap.org/kp/2022/transport-and-communication-bulletin-asia-and-pacific-no-92-environmental-sustainability>

city is still evolving, however, smart cities integrate the physical infrastructures and human systems with digital technologies within a built environment to deliver better facilities and services by improving the quality of life of the urban residents.

To promote urban safety, resilience, livability, and sustainability, the United Nations Centre for Regional Development (UNCRD), with the support of the Ministry of Land, Infrastructure, Transport, and Tourism (MLIT), the Government of Japan is organizing, series of capacity workshops on the smart cities for developing countries in Asia and the Pacific. The capacity building further contributes towards internationally agreed agendas, including the 2030 SDGs, particularly on Goal 11 “Building Sustainable Cities and Communities”, the Paris Agreement and the Sendai Framework for Disaster Risk Reduction 2015-2030, as well as regional declarations like Aichi 2030 Declaration on Environmentally Sustainable Transport, which aims to achieve universally accessible, safe, affordable, efficient, resilient, clean, and low-carbon passenger and freight transport in Asia.

2. Objectives:

The main objective of the smart city training workshop is to provide technical assistance and support to urban policymakers, planners, and city officials, particularly from developing countries including the least developing countries (LDCs), landlocked countries, and small island developing states (SIDS) for building safe, smart, inclusive, resilient, livable, and sustainable cities and communities through smart city solutions.

Other objectives of the training workshop are-

- To gain policy insights into smart city solutions and measures by enhancing the smartness, livability, competitiveness, resilience, and sustainability of cities and communities;
- To help cities with integrated land use, transport, and urban planning and increase the operational efficiency of urban services;
- To assist cities in developing smart technologies and smart solutions to monitor, control, and improve the quality of life of urban citizens, businesses, and government services;
- To improve the integration of urban systems, and promote effective collaboration among different stakeholders to foster business and innovation for green growth and sustainable urban development; and
- To enhance the capacity of Asian cities and local authorities in better addressing SDG 11 (Make Cities and Human Settlements Inclusive, Safe, Resilient and Sustainable) through smart city solutions and measures).

3. Participants

It is expected that the international smart city training workshop will be attended by approximately 20 executive-level participants including mayors from local (10-15 cities) or national governments in Asia and the Pacific.

4. Date and Venue

The workshop takes place on 29 August – 1 September 2023 at the Nagoya International Center (1-47-1 Nagono, Nakamura-ku Nagoya, Japan).

- Lecture Room No. 3 on the 4th floor for the Training workshop

- Annex Hall for the Int'l Symposium

5. Language

The language of the training workshop is English.

6. Training Materials

Training Materials for Implementing Smart Cities in Asia and the Pacific for Inclusive, Resilient, and Sustainable Societies has been developed by UNCRD.

- Smart Cities
- Smart Mobility and Transport
- Water-related Disaster Risk Reduction
- ASEAN Smart City Planning Guidebook (This guide book was published by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) in Japan in consultation with the ASEAN Smart Cities Network (ASCN) and the ASEAN Secretariat (ASEC).)

7. Programme Agenda (Provisional)

Day 1: 29 August 2023 (Tuesday)	
08:45-09:30	Registration
09:30-10:00 (30 min)	Opening Session Opening Address: <ul style="list-style-type: none"> - Dr. Kazushige Endo, Director, United Nations Centre for Regional Development (UNCRD) (5 min) - Mr. Yoshihiro Kakishita, Counsellor for Global Strategies, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Government of Japan (Video, 5 min) - Welcome Remarks: Mr. Takashi Kawamura, Mayor of the City of Nagoya Special Address: Each Mayor will deliver a special address for 3 min. <ul style="list-style-type: none"> - Dato Wee Hong Seng, Mayor, Council of the City of Kuching South, Malaysia - Mr. Bharat Badayar Joshi, Mayor, Parshuram Municipality, Nepal - Ms. Lim Phallika, Vice Mayor, Siem Reap Municipality, Cambodia Group Photograph
10:00-10:20 (20 min)	Scope, and Objective of the Workshop <ul style="list-style-type: none"> - Dr. Ganesh Raj Joshi, Researcher, United Nations Centre for Regional Development (UNCRD) (5 min) Introduction of Workshop Participants (15 min)
10:20-10:40	Coffee/Tea Break
10:40-12:30 (1hr 50 min)	Session I: Introductory Session on Smart City and Liveable Community Facilitator: Dr. Ganesh Raj Joshi , United Nations Centre for Regional Development (UNCRD) <ul style="list-style-type: none"> - Presentation 1: Transforming Asia through Smart Cities and Sustainable Urban Development: Role of Urban Mobility by Prof. Yoshitsugu Hayashi, Chubu University (30 min)

	<ul style="list-style-type: none"> - Presentation 2: Japan's Smart Cities and "Smart JAMP" by Ms. Shikiko Tatsushima, Deputy Director of International Policy Division, MLIT, the Government of Japan (Video, 20 min) - Presentation 3: Building Smart and Resilient Cities and Liveable Community in Asia and the Pacific: Key Issues and Challenges by Dr. Kazushige Endo, Director, United Nations Centre for Regional Development (UNCRD) (30 min) <p>Open Discussion and Q&A: (30 min)</p>
12:30-14:00	Lunch Break
14:00-17:45 (3hr 45 min)	<p>Session II: Smart City Planning and Implementation: Cases from Asia and the Pacific Facilitator: Mr. Justin Hyatt, UNCRD Consultant</p>
14:00-15:00	<ul style="list-style-type: none"> - Presentation 1: Overview of Smart City Development: What needs to be considered to build a city smart? by Mr. Justin Hyatt, UNCRD Consultant (30 min) - City Presentations/City Showcases: All cities will deliver a presentation for 10 minutes each. (30 min) <p><i>(1) Bangkok, Thailand (2) Battambang, Cambodia (3) Cebu, the Philippines</i></p>
15:00 -15:15	Networking break
15:15-16:30	<ul style="list-style-type: none"> - City Presentations/City Showcases: continue..... all cities will deliver a presentation for 10 minutes each. <p><i>(4) Colombo, Sri Lanka (5) Davao, the Philippines (6) Dhangadhi, Nepal (7) Haryana, India (8) Kathmandu, Nepal (9) Kota Kinabalu, Malaysia, (10) Kuching City South, Malaysia</i></p>
16:30 -16:45	Networking break
16:45-18:00	<ul style="list-style-type: none"> - City Presentations/City Showcases: continue..... all cities will deliver a presentation for 10 minutes each. <p><i>(11) Luang Prabang, Lao PDR (12) Makassar, Indonesia (13) Nusantara, Indonesia (14) Parshuram, Nepal (15) Penang, Malaysia (16) Phnom Penh, Cambodia and (17) Siem Reap, Cambodia</i></p>
Day 2: 30 August 2023 (Wednesday)	
9:30–11:00 (1hr 30 min)	<p>Session III: Smart Mobility and Transport Facilitator: Dr. Kazushige Endo, Director, United Nations Centre for Regional Development (UNCRD)</p> <ul style="list-style-type: none"> - Presentation 1: Importance of Smart Mobility and Transport Solutions for Achieving Sustainable Urban Development and SDGs by Dr. Ganesh Raj Joshi, Researcher, UNCRD (30 min) - Presentation 2: Smart Mobility Initiatives by Kasugai City Government (10 min)

	<ul style="list-style-type: none"> - Presentation 3: Smart Mobility Solution for Urban Areas by Nippon Koei Co., Ltd. (10 min) - Presentation 4: E-mobility Solution for Smart Cities: Opportunities and Challenges - by RESC, LTD. (10 min) - Presentation 5: Smart Mobility Solutions through DMRV (Digital Measurement, Reporting, and Verification) by Spatial Pleasure Co., Ltd. (10 min) <p>Open discussion and Q&A (20 min)</p>
11:00-11:20	Coffee/Tea Break
11:20-12:30 (1 hr 10 min)	<p>Session IV: Group Exercise on Smart Mobility and Transport Solutions</p> <p>Facilitator: Dr. Ganesh Raj Joshi, United Nations Centre for Regional Development UNCRD)</p> <ul style="list-style-type: none"> - Mobility planning for your city: All cities will participate in this exercise. (40 min) <p>Participating cities: <i>(1) Bangkok, Thailand (2) Battambang, Cambodia (3) Cebu, the Philippines (4) Colombo, Sri Lanka (5) Davao, the Philippines (6) Dhangadhi, Nepal (7) Haryana, India (8) Kathmandu, Nepal (9) Kota Kinabalu, Malaysia, (10) Kuching City South, Malaysia (11) Luang Prabang, Lao PDR (12) Makassar, Indonesia (13) Nusantara, Indonesia (14) Parshuram, Nepal (15) Penang, Malaysia (16) Phnom Penh, Cambodia, and (17) Siem Reap, Cambodia</i></p> <ul style="list-style-type: none"> - Reporting by Rapporteur of each Group (30 min) <p>Expert Support by: Dr. Ganesh Raj Joshi, UNCRD, and Mr. Justin Hyatt, UNCRD Consultant</p>
	Move to Toyota City by Chartered Bus and Lunch Break
14:30-17:30 (3 hr)	Smart City Field Study Visit to Toyota City
	<p>Facilitator: Toyota City Welcome Remarks: Mr. Toshihiko Ota, Mayor of Toyota City</p> <p>Toyota City is one of the smart cities in Japan that showcases different smart mobility solutions, DRR measures, smart housing, smart energy and grid systems, and smart governance.</p>
	Move back from Toyota City to Nagoya City by Chartered Bus

Day 3: 31 August 2023 (Thursday)	
9:30-11:00 (1h 30 min)	<p>Session V: Water-related Disaster Risk Reduction (DRR) for Smart Cities Facilitator: Ms. Taeko Yokota, Expert on DRR and Water, UNCRD (tbc)</p> <ul style="list-style-type: none"> - Presentation 1: Smart Technologies for Water-related Disaster Risk Reduction by Mr. Toshikazu Tokioka, MLIT, Government of Japan (25 min) - Presentation 2: Practical Integration of Science and Technology to Water-Related DRR in Cities by Mr. Hisashi Mitsuhashi, Director for Special Research, International Centre for Water Hazard and Risk Management under the auspices of UNESCO (ICHARM) (25 min) - Presentation 3: Enabling Conditions for the Development and Implementation Local DRR Strategies: Smart Practices from Asia Pacific Cities by Dr. Bernadia Irawati Tjandradewi, Secretary General of United Cities and Local Governments Asia Pacific (UCLG ASPAC) (15 min) - Presentation 4: Smart DRR Solutions by Nippon Koei Co., Ltd. (10 min) <p>Open discussion and Q&A (15 min)</p>
11:00-11:20	Coffee/Tea Break
11:20-12:30 (1h 10 min)	<p>Session VI: Group Exercise on Water-related DRR for Smart Cities Facilitator: Ms. Taeko Yokota, UNCRD</p> <ul style="list-style-type: none"> - Discussion on water-related disaster issues and challenges in your city: All cities will participate in this exercise. (40 min) <p>Participating Cities: <i>(1) Bangkok, Thailand (2) Battambang, Cambodia (3) Cebu, the Philippines (4) Colombo, Sri Lanka (5) Davao, the Philippines (6) Dhangadhi, Nepal (7) Haryana, India (8) Kathmandu, Nepal (9) Kota Kinabalu, Malaysia, (10) Kuching City South, Malaysia (11) Luang Prabang, Lao PDR (12) Makassar, Indonesia (13) Nusantara, Indonesia (14) Parshuram, Nepal (15) Penang, Malaysia (16) Phnom Penh, Cambodia, and (17) Siem Reap, Cambodia</i></p> <ul style="list-style-type: none"> - Reporting by Rapporteur of each Group (30 min) <p>Expert Support by: Dr. Ganesh Raj Joshi, UNCRD, and Ms. Nana Urakami, UNCRD, Mr. Justin Hyatt, UNCRD Consultant</p>
12:30-14:00	Lunch Break
14:00-17:00 (3h)	<p>Session VII: Group Exercise on Implementation of Smart Cities and Role of Policy Makers, Planners, City Leaders, and Consensus Building Among Citizens Facilitator: Dr. Ganesh Raj Joshi, UNCRD</p> <p>Group Discussion and Exercise (2h 30 min)</p> <ul style="list-style-type: none"> - Cities will be divided into 4-5 groups and exercises on the different components of smart cities will be conducted. <p>Group Reporting (30 min)</p> <ul style="list-style-type: none"> - Plenary discussion and outcome presentation -by rapporteurs from each group

	Expert Support by: Ms. Taeko Yokota, UNCRD, Dr. Ganesh Raj Joshi, UNCRD, and Ms. Nana Urakami, UNCRD, Mr. Justin Hyatt, UNCRD Consultant
Day 4: 1 September 2023 (Friday)	
9:30-10:30 (1h)	<p>Closing Session:</p> <ul style="list-style-type: none"> - Wrap-up Discussion and Evaluation of the Training Workshop (20 min) - Certificate distribution (30 min) <p>Closing Address:</p> <ul style="list-style-type: none"> - Representative of the participating city (5 min) - Dr. Kazushige Endo, Director, UNCRD (5 min)
10:45-13:00	Move to Kinchachi Yokochō and Aichi Prefectural Government by Subway and Lunch Break
13:00-13:30 (30 min)	Courtesy Call to Aichi Prefectural Government
	Facilitator: Aichi Prefectural Government Welcome remarks: Mr. Hideaki Ohmura , Governor of Aichi Prefecture
	Move back from Aichi Prefectural Government to Nagoya International Center by Subway
14:15-16:30 (2h 15 min)	International Symposium on Local SDGs - Monitoring and Accelerating Actions Towards the 2030 Agenda
(with Simultaneous Interpretation)	<ul style="list-style-type: none"> - Opening Remarks by Dr. Kazushige Endo, Director, UNCRD - Keynote Address “Status of Promotion of Local SDGs in Japan” by Prof. Shun Kawakubo, Hosei University (30 min) - Keynote Address “Local Governments’ Role on Ensuring the Inclusive and Transparent Monitoring and Reporting Mechanism to Achieve the SDGs” by Dr. Bernadia Irawati Tjandradewi, Secretary General of UCLG-ASPAC (20 min) - Presentation on SDG Monitoring and Evaluation Tools by Ms. Nana Urakami, UNCRD (15 min) - Local SDGs/VLR Presentation by Toyota City, Japan (15 min) - Local SDGs/VLR Presentation by Gamagori City, Japan (15 min) - Local SDGs/VLR Presentation by Penang Island City, Malaysia (15 min) - <p style="text-align: center;">- End of the programme –</p>
17:00-19:00	Networking Reception

7. Contact for Further Information

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