

Thematic Group on Artificial Intelligence in Cities

Update on the work of the U4SSC Thematic
Groups

Presented by:

Okan Geray, Leader of the Thematic Group on Artificial Intelligence in Cities
2024



Thematic Group on Artificial Intelligence in Cities



Thematic Group Leader

Okan Geray (Digital Dubai)



Thematic Group Objectives

This thematic group will develop frameworks and methodologies to harness AI in conjunction with other frontier technologies such as big data, IoT, cloud computing and robotics to efficiently and effectively deliver urban services and operational processes.



Thematic Group Topic Area

This thematic group will set guidelines for implementing AI solutions efficiently and sustainably in cities. It will have a perspective in enhancing and automating decision making while taking into account AI principles and targets set in the Sustainable Development Goals and other international commitments.



Completed Working Group and Deliverables

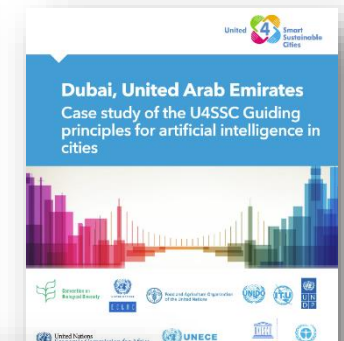
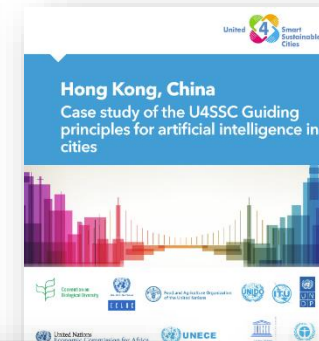
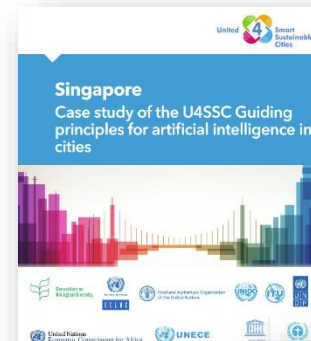
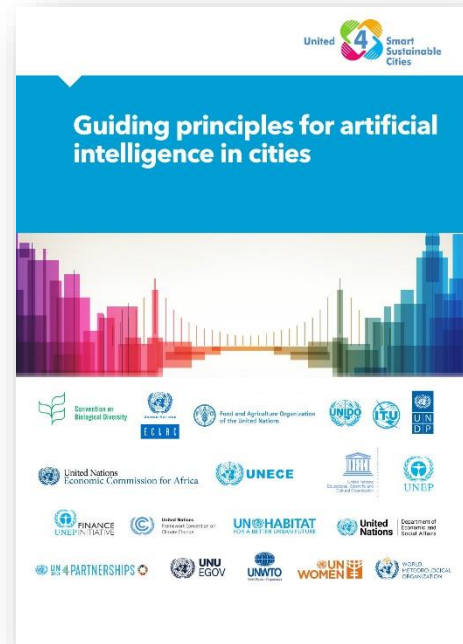
Working Group 1

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Guiding principles for artificial intelligence in cities

Leader: Okan Geray (Digital Dubai)

Completed



Ongoing Working Groups and Deliverables

Working Group 2



Autonomous
Cities

Leader: Okan
Geray (Digital
Dubai)

Ongoing

Scope

This Working Group will explore the potential of running urban services and operational processes autonomously and will develop a framework to assess its viability and requirements.

The “autonomous city” concept and the extent of its practical application will be illustrated with real life cases. The cases will help in determining gaps and real-life considerations.

The “autonomous city” framework will utilize AI/ML along with other supporting frontier technologies. The framework will have a “system of systems” approach reflecting the true nature of cities in real life.

Upcoming Meetings

- 30 October 2024, 14:30 – 15:00 hours, Geneva time

Completed Work on Autonomous Cities



Autonomous Cities Framework

Initial draft framework for Autonomous Cities completed

Draft currently under review

Targeted to be completed by end of October 2024



Autonomous Cities Case Studies

Several case studies currently being developed to be included in the final deliverable

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Work in Progress on case studies from Canada, Hungary, China, UAE, ...



Upcoming Meeting

- 30 October 2024, 14:30 – 15:00 hours, Geneva time

New Working Group 3

Working Group 3



AI-Driven KPIs
Measurement

Leader: Okan
Geray (Digital
Dubai)

Kick off

Scope

This working group aims to utilize non-traditional methods to measure KPIs by using Data and Artificial Intelligence. Novel data sources such as next generation sensing and satellite imagery enable increased sensitivity, accuracy, and speed for data collection and in turn, facilitate AI techniques to measure KPIs.

Upcoming Meetings

- 30 October 2024, 15:00 – 15:45 hours, Geneva time

New Working Group 4

Working Group 4



FAIR Cities –
Foster AI for
Inclusive and
Responsible
cities

Leader: Soumaya
Ben Dhaou
(UNU-EGOV)

Kick off

Scope

The working group will ensure that the guideline incorporates gender-sensitive approaches across the AI lifecycle. Stakeholder engagement will involve a diverse range of participants, to gather comprehensive insights and ensure the guidelines address their specific needs.

The working group will address the following research questions:

- How can cities align their AI initiatives with their specific priorities and needs while ensuring compliance with principles of sustainability, responsibility, and inclusion?
- What are the critical gaps between cities' current capacities and the requirements for effectively implementing, governing, and utilizing AI responsibly and inclusively?
- What tools and methodologies can be developed to assess and bridge the gap between cities' existing conditions and the necessary frameworks for responsible AI governance and implementation?

Upcoming Meetings

- This Thematic Group will commence its activities after the 8th Annual Meeting. Relevant information on the upcoming e-meetings will be disseminated through the U4SSC Mailing-List.

For more information, please contact:

u4ssc@itu.int

U4SSC website:

<https://u4ssc.itu.int/>

Thank you!



Thematic Group on Digital Wellbeing

Update on the work of the U4SSC Thematic Groups

Presented by:
Okan Geray, Leader of the Thematic Group on Digital Wellbeing



Thematic Group on Digital Wellbeing



Thematic Group Leader

Okan Geray (Digital Dubai)



Thematic Group Objectives

The Thematic Group on Digital Wellbeing aims to research and benchmark existing digital wellbeing frameworks, approaches, and interventions. Preliminary analysis indicates fragmented approaches to digital wellbeing.



Thematic Group Topic Area

The Thematic Group will then create a digital wellbeing framework encompassing factors that contribute to it at the individual level (e.g., skills, devices, connectivity, digital services experiences, security and safety, digital environment, etc.).



Upcoming Meeting

- 30 October 2024, 13:30 – 14:30 hours, Geneva time

Completed Work on Digital Wellbeing



Digital Wellbeing Framework

Initial Digital Wellbeing draft framework completed

Currently under review

Targeted to be completed by the end of October 2024



Digital Wellbeing Case Studies

Several case studies currently being developed to be included in the final deliverable

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Work in Progress on case studies from China, UAE,



Upcoming Meeting

- 30 October 2024, 13:30 – 14:30 hours, Geneva time

For more information, please contact:

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Thank you!

