

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

20 June 2023



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 with future foresight while taking into account AI principles and targets set in the Sustainable Development Goals and other international commitments.



Completed Working Group and Deliverable

Working Group 1



Guiding principles for artificial intelligence in cities

Leader: Okan Geray (Digital Dubai)

Sub-groups:

- Principles Framework
Leader: Gokce Cobansoy Hizek (Turkcell Iletisim Hizmetleri A.S)
- Enablers Framework
Leader: Asma Karoui (GIZ) & Muriuki Mureithi (Summit Strategies Ltd)
- Policy & Governance Framework
Leader: Elena Ardelean (Tony Blair Institute for Global Change) & Velan TS (Evercomm)
- Assessment / Implementation Framework
Leader: Bettina Tratz-Ryan (Gartner) & Pedro Garibi (T-Systems Iberia)

Completed – to be published in July 2023

Ongoing Working Groups and Deliverables

Working Group 2



Autonomous
Cities

Leader: Okan
Geray (Digital
Dubai)

To Be Kicked-Off

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

- 27 July 2023, 16:00 – 17:00, Geneva Time
- 28 September 2023, 16:00 – 17:00, Geneva Time

Working Group Deliverable – Guiding Principles

Guiding Principles for Artificial Intelligence in Cities

The Guiding Principles for AI in Cities provides a broad set of potential principles, enablers, governance methods, policy instrument alternatives and a simple methodology for instilling AI principles in cities.

1

Briefly introduces urbanization and its high-level challenges.

2

Emphasizes the significance of AI principles for ethical use of AI in cities.

3

Contains a set of principles which cities can utilize in their AI implementations.

4

Identifies enablers which cities can utilize to help in their AI principles implementation.

5

Introduces governance alternatives for AI principles implementation.

6

Provides policy instrument alternatives for implementing AI principles.

7

Provides a simple four step methodology for implementing AI principles

8

Concludes with some observations for AI principles implementations in real life.

Working Group Deliverable – Case Studies

Dubai



Buenos Aires



Hong Kong



Singapore



Copenhagen



For more information, please contact:

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U4SSC website:

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

Thank you!

