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# Urban Intelligence Unveiled: AI Principles for Smart Cities

## Ask the Expert Session

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# Urbanization is progressing at an unprecedented rate

**68%** of the world population expected to reside in urban areas by 2050.

**95%** of the urban expansion is expected to take place in the developing world.

Creating challenges related to economic inclusivity, resources consumption, environmental degradation and more.

# AI can be leveraged to solve urban problems

Artificial Intelligence and Machine Learning can:

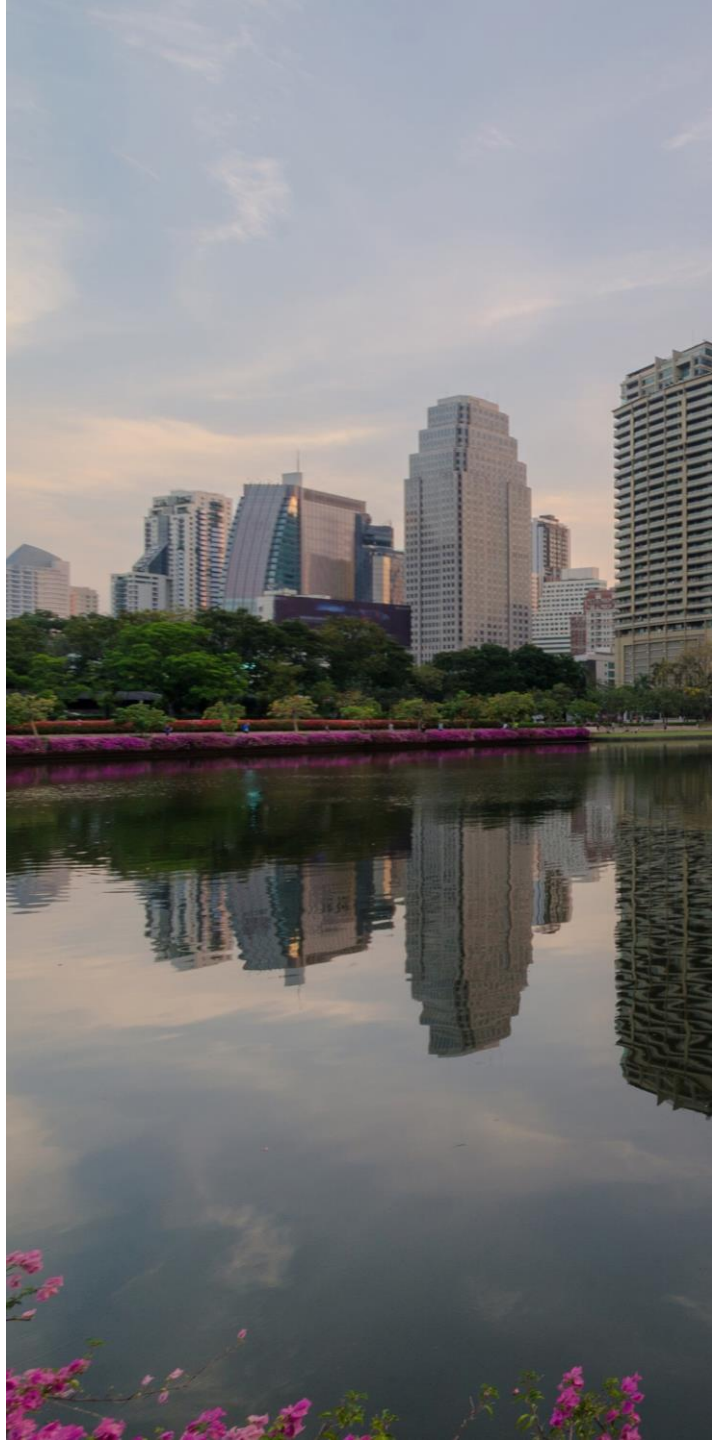
01 be used to identify, address, and solve a myriad of municipal challenges and problems;

02 use data extensively; and

03 enable algorithms to be improved over time by utilizing additional data as a learning mechanism

# Creating smarter, more sustainable cities

The United for Smart Sustainable Cities serves as the global platform to advocate for public policy and to encourage the use of ICTs to facilitate the sustainable digital transformation of cities.



# Developing valuable resources through our Thematic Groups

| City Platforms | Building Urban Economic Resilience | **Artificial Intelligence in Cities** | Enabling People-Centred Cities | Procurement for Smart Sustainable Cities | Digital Wellbeing |
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Thematic Group
**Artificial intelligence in cities**

The Thematic Group on AI in Cities was tasked to develop frameworks and methodologies to harness AI in conjunction with other frontier technologies to efficiently and effectively deliver urban services and operational processes.

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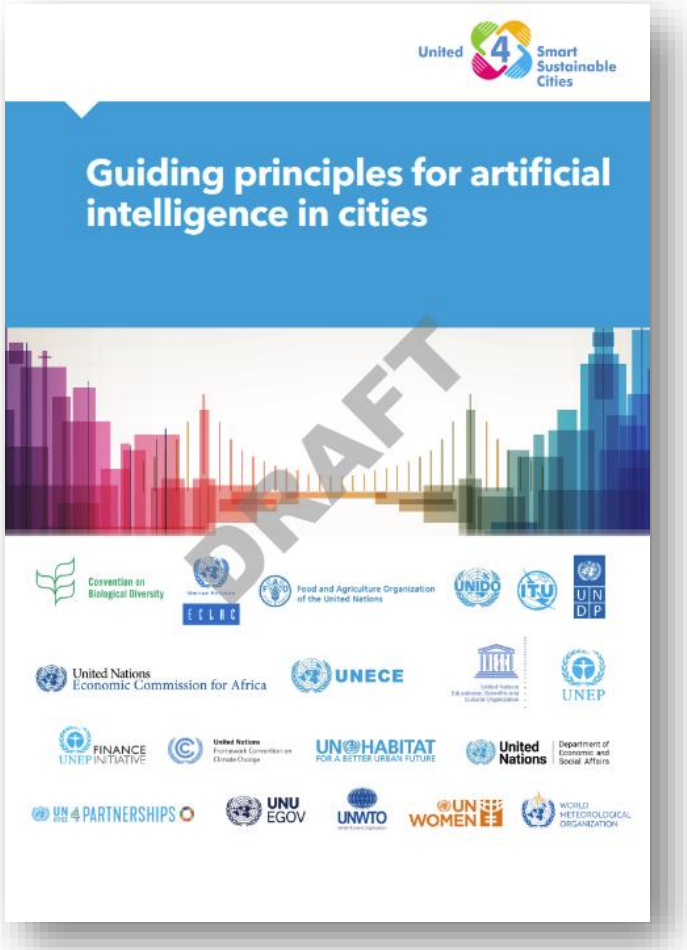
Working Group 1
**Guiding principles for artificial intelligence in cities**

WG1
**Guiding principles for artificial intelligence in cities**
Leader: Okan Geray (Digital Dubai)

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

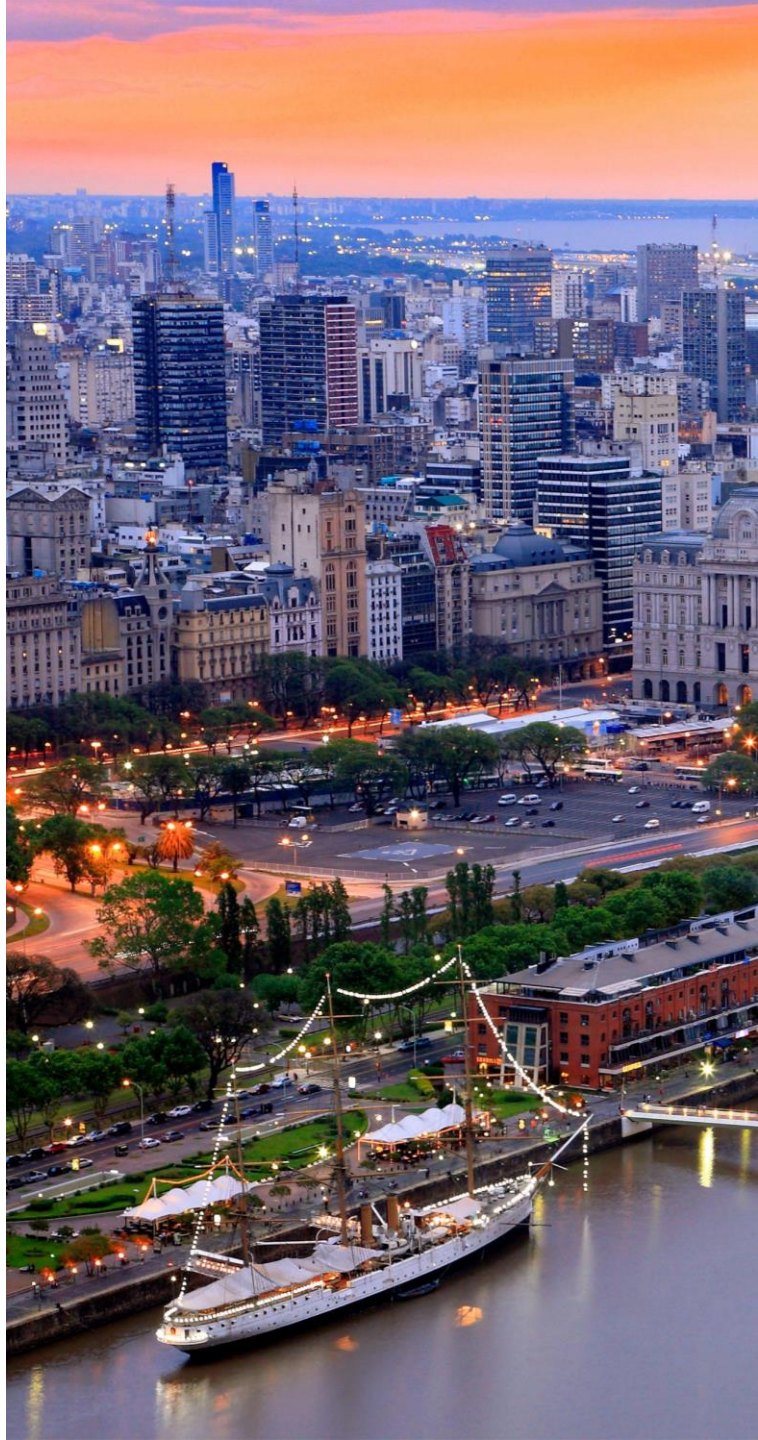
# New resource for smart sustainable cities on A




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

# Guiding principles framework for AI in cities

1. Lawful
2. Privacy preserving
3. Fair and inclusive
4. Explainable and transparent
5. Accountable
6. Safe and secure
7. High performing and robust
8. Assessed for impact and sustainability
9. Enabling human autonomy



# AI principles enablers

**Leadership, governance and regulations**

- Government leadership
- Policies City & elected officials' leadership
- Co-created policies
- Data Governance to secure privacy
- Information security & Cybersecurity principles
- Ethical Frameworks

**AI Capacity and skills building**

- AI Education
- AI capacity building in informal education
- Monetary incentive scheme to make AI related education more accessible and attractive
- Open knowledge, open science, open learning platforms

**City Systems Enablers: Public, private & citizens**

- Research and Development (R&D) Program
- Entrepreneur-ship Programs
- Investment and Procurement
- Raise societal AI Principles readiness

**Technology Platforms & Digital Infrastructure**

- Digital Infrastructure enablers
- Application And Platforms enablers
- Data accessibility

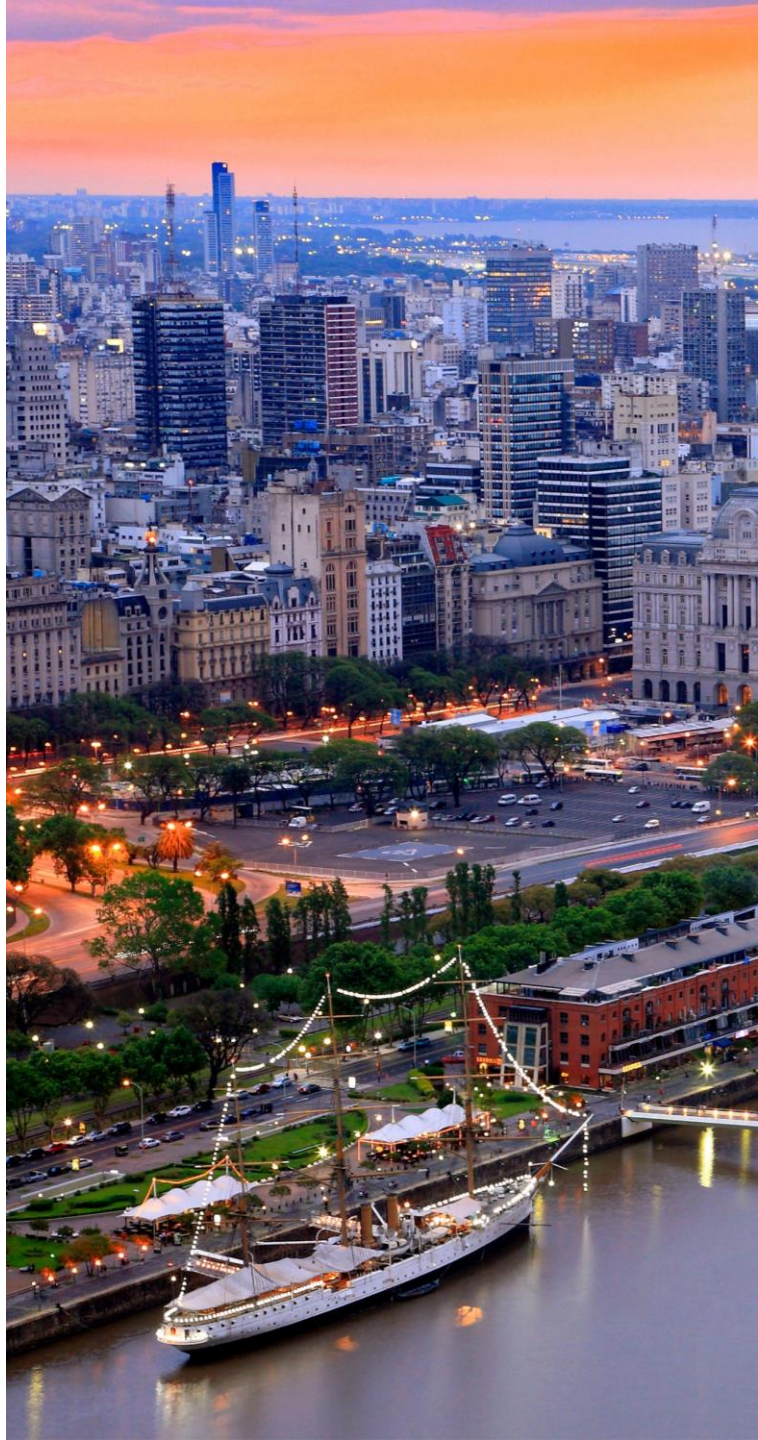
# Governance of guiding principles for AI in cities

Governance Roles

- Regulatory
- Execution
- Compliance

Governance Alternatives

- Centralized
- Decentralized
- Hybrid



# Guiding principles for AI in cities - methodology

1. Assess the Current Status of Guiding Principles for AI in the City (Baselining
2. Determine Guiding Principles for AI in the City
3. Catalyse Guiding Principles for AI Implementation in the City
4. Assess Results

# AI for smart cities: case studies


# It is important to establish guiding principles

Key findings from the case studies

1. There is no “one size fits all” approach for guiding principles for AI in cities
2. City administrators have a wide range of tools at their disposal to encourage and incentivize implementation of AI principles
3. Exchange of knowledge at the local, regional, and international levels will help develop AI principles formulation and implementation
4. Cities can capitalize on AI principles by turning it into a viable economic sub-sector,

# Thank you!

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