



Building a people-centred digital future

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ITU Focal Point on Smart Sustainable Cities

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The City Reality: Challenges We Must Solve



**Rapid population
growth and
urbanization**

**Climate stress
and resilience
demands**

**Siloed
systems and
legacy lock-in**

**Budget and
capacity
constraints**

Digital technologies & AI offer a way



How International Telecommunication Union Can Help

ITU: United Nations specialized agency for digital technologies



194

Member States



1000+

companies, universities, research
institutes and international organisations





ITU-T Study Group 20 Standards

“IoT, digital twins and smart sustainable cities and communities”

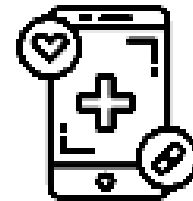
200+ international standards for cities — freely available to all!



Internet of things
and its application



Smart sustainable cities,
digital services, energy
management & digital
twins



Digital Health Related
to IoT and smart
sustainable cities



Citiverse

United for Smart Sustainable Cities (U4SSC) Initiative

A UN platform, coordinated by ITU, UNECE and UN-Habitat and supported by 20 UN partners.





U4SSC Thematic Groups and Working Groups

Collaborating on emerging priorities for sustainable, inclusive, and digital cities.

Artificial Intelligence in Cities

WG 2: Autonomous Cities
WG 3: AI-Driven KPIs Measurement
WG 4: FAIR Cities – Foster AI for Inclusive and Responsible cities
WG 5: Agentic AI for Cities

City Platforms and Data Spaces

WG 6: Data and APIs in Smart City Platforms
WG 7: Smart Destinations Platforms
WG 8: Integrated Urban, Land and Housing Data Framework

Sustainable Digital Transformation in Buildings and Urban Energy

WG 1: Emerging Solutions for Buildings
WG 2: Guiding Principles for Building

Future Foresight for Cities

WG 1: Building Future Foresight Capability

Digital Public Infrastructure for Cities

WG 1: Governance and regulatory framework
WG 2: Technological infrastructure and technical specifications
WG 3: Security and privacy aspects
WG 4: DPI Toolkits
WG 5: Socio economic impacts and inclusivity

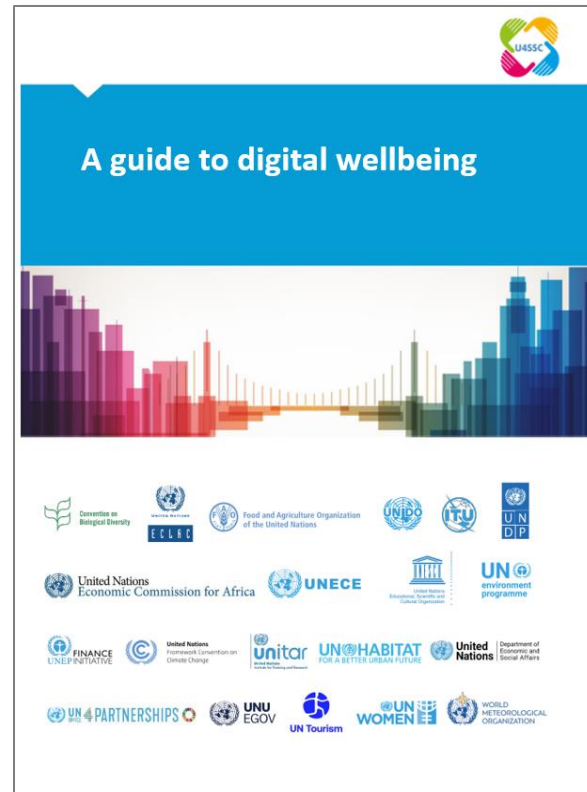
Digital transformation for people-centred cities

WG 2: Policy Benchmarks for Digital Transformation of People-Centred Cities
WG 3: Performance, impact and maturity assessment of digital transformation in people-centred cities
WG 5: Intergenerational Procurement for People-Centred Cities
WG 6: Digital Development Goals

Social-cultural sustainability in people-centred city governance

WG 1: Social-cultural sustainability in people-centred city governance

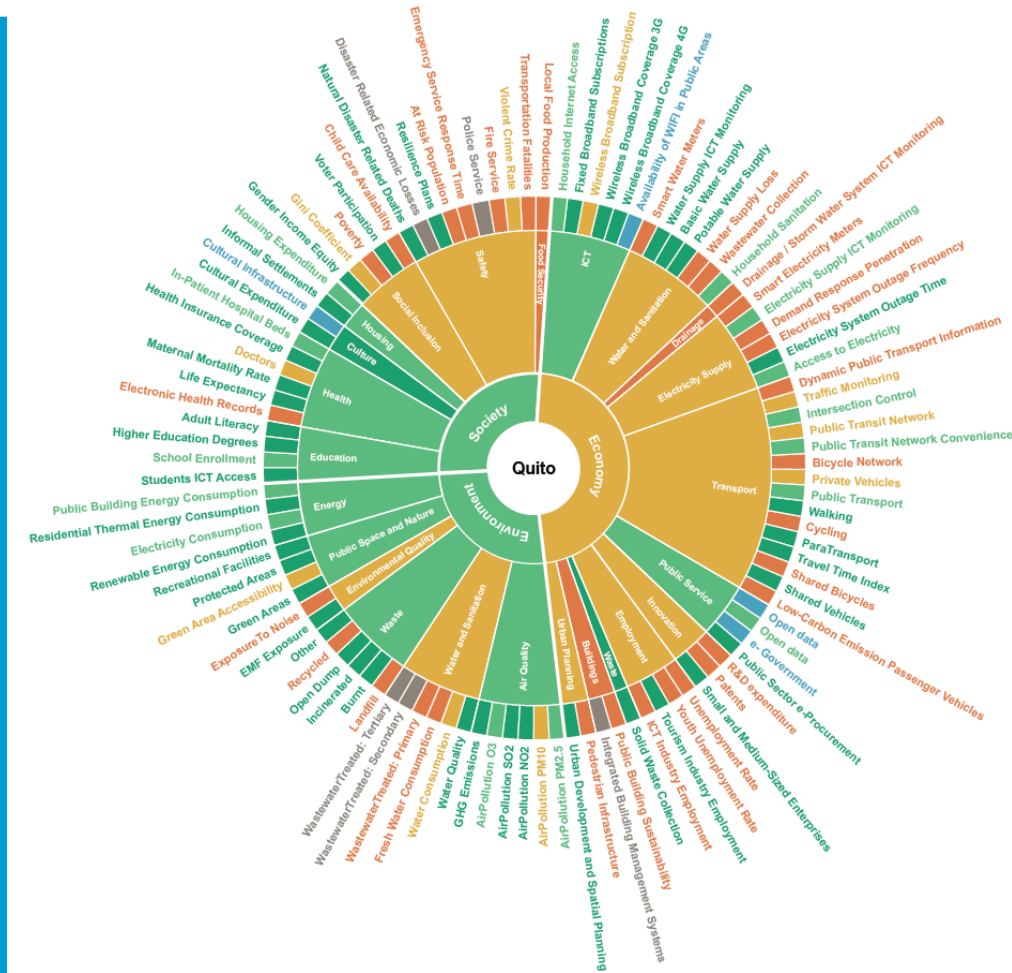
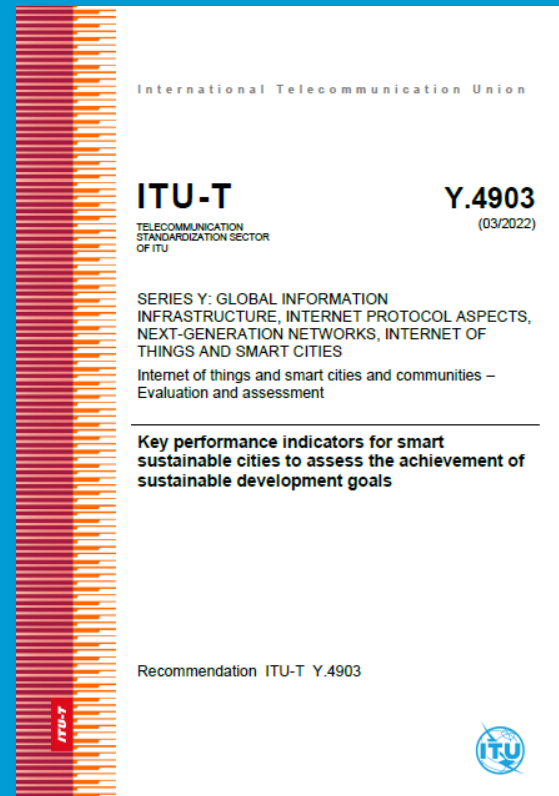
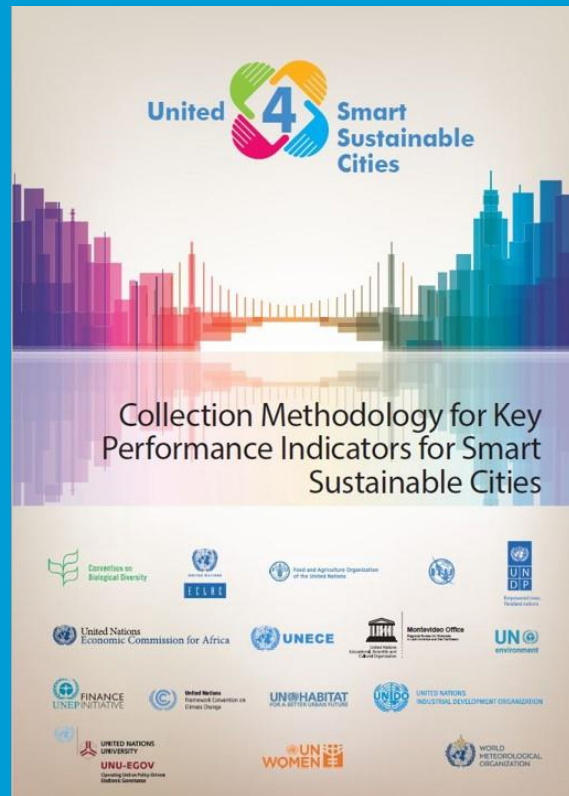
U4SSC advancing people-centred and digitally inclusive urban development





Join 250+ Cities Worldwide:

Turning International Standards into Action



<https://www.itu.int/metaverse/>



Connecting today's city transformation to tomorrow's virtual worlds...

Join a Growing Coalition of 60+ Partners:

Global Initiative on Virtual Worlds and AI – Discovering the Citiverse

Founding partners:



UNICC

Champions:



Ministry of Internal Affairs
and Communications



Supported by :



ETRI

Stanford
University



THE
SANDBOX

IDC



Center on the Legal Profession
HARVARD LAW SCHOOL

UAB
Universitat Autònoma
de Barcelona



bizztech



西安电子科技大学
XIDIAN UNIVERSITY

METAWORLDX



SWPS University



And more...

3 Key Pillars of Action

Pillar 1 – Bringing Virtual Worlds to Life:

- Strategic Guidance
- Digital Inclusion and Accessibility
- Scaling Framework
- Evaluation and Assessment

Pillar 2 – Connecting Cities with the Virtual and Real Worlds:

- Emerging Technologies
- Use-case Identification
- Security and Trust
- Interoperable Citiverse
- Sandbox Experiment Facility

Pillar 3 – Tunneling the Citiverse:

- Citiverse Assembly
- Citiverse Challenge
- Citiverse Alliance
- Awareness Building
- Virtual Worlds Toolkit
- Annual Training
- Talent Grants Programme

A multi-stakeholder global platform that aims at fostering open, interoperable and innovative AI-powered virtual worlds and citiverse that can be used safely and with confidence by people, businesses and public services.



Scan me



Thank you!



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www.itu.int/cities