

HLPF SIDE EVENT ON EXPLORING THE
METAVERSE: A NEW WORLD OF
POSSIBILITIES FOR CITIES AND COMMUNITIES



CITIVERSE: ARE WE THERE YET?

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11 SUSTAINABLE CITIES AND COMMUNITIES



Cities Today

50%+ of Global Population,
By 2050, expected to be 70%

Contribute more than 80% of
Global GDP

Account for more than 70% of
GHG emissions

99% of the Global Urban
Population breathe polluted air

Source: [Cities - United Nations Sustainable Development Action 2015](#), [Goal 11 | Department of Economic and Social Affairs \(un.org\)](#)

CITIES + METaverse = CITIVERSE

Metaverse is enabling a **new phase** in economy by creating novel opportunities for cities.

"Physical" Economy



Digital Economy



Virtual Digital Economy



Launched in July 2022, the Dubai Metaverse Strategy aims to make Dubai the **No.1 in the region** and **one of the top 10 cities globally** in terms of **metaverse economy**.

Main objectives:

5x



The number of blockchain and metaverse companies in 5 years

40K



Metaverse supported virtual jobs added by 2030

\$4 billion

Added to the economy in Dubai in 5 years

By leveraging

- Web 3
- VR / AR / XR
- Digital Twins

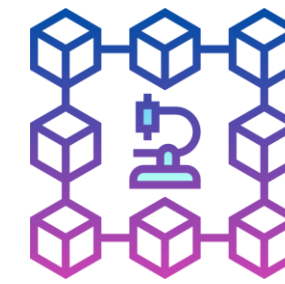
Five Pillars:



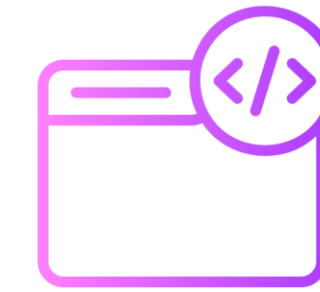
Foster Innovation



Cultivate Talent



Develop Use-cases



Adopt & Scale Safe Platforms



Refine Regulations & Infrastructure

Numerous challenges need to be overcome to capture the metaverse opportunity.



Interoperability



Standards & Guidelines



Data Privacy



Virtual & Physical Integration

Legal & Regulatory



Security & Safety



Economic Value



Competition



ITU Focus Group on metaverse

ITU-T Focus Group on metaverse (FG-MV)



8 Working Groups have been established

Focus Group on metaverse (FG-MV) - Task Group: **collaboration**

Working Group 1:
General

Working Group 2:
**Applications
& Services**

Working Group 3:
**Architecture &
Infrastructure**

Working Group 4:
**Virtual/Real World
Integration**

Working Group 5:
Interoperability

Working Group 6:
**Security, Data & PII
Protection**

Working Group 7:
**Economic, Regulatory
& Competition
Aspects**

Working Group 8:
**Sustainability,
Accessibility &
Inclusion**

ITU Focus Group is already addressing many of the pre-standardization issues in metaverse

Enabling the CitiVerse

FG-MV encouraged ITU to establish a **Digital Coalition on CitiVerse**.

A **Digital Coalition on CitiVerse** will enable partnership and innovation in cities by:

- Providing a platform to identify cities' needs
- Sharing best practices and solutions
- Creating a Sandbox
- Developing guiding principles



THANK YOU