

Exploring the metaverse

A New World of Possibilities for Cities and Communities

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FG-MV WG1 Chairman

13 July 2023



ITU Focus Group on metaverse (FG-MV)



Open to non-ITU members; Free of charge;

Physical meetings with remote participation & E-meetings



Diverse management team:

Government, Industry, Academia, UN agencies / Africa, Asia, Europe, Americas



50+ planned deliverables (06 July 2023),

including Technical Specifications & Reports

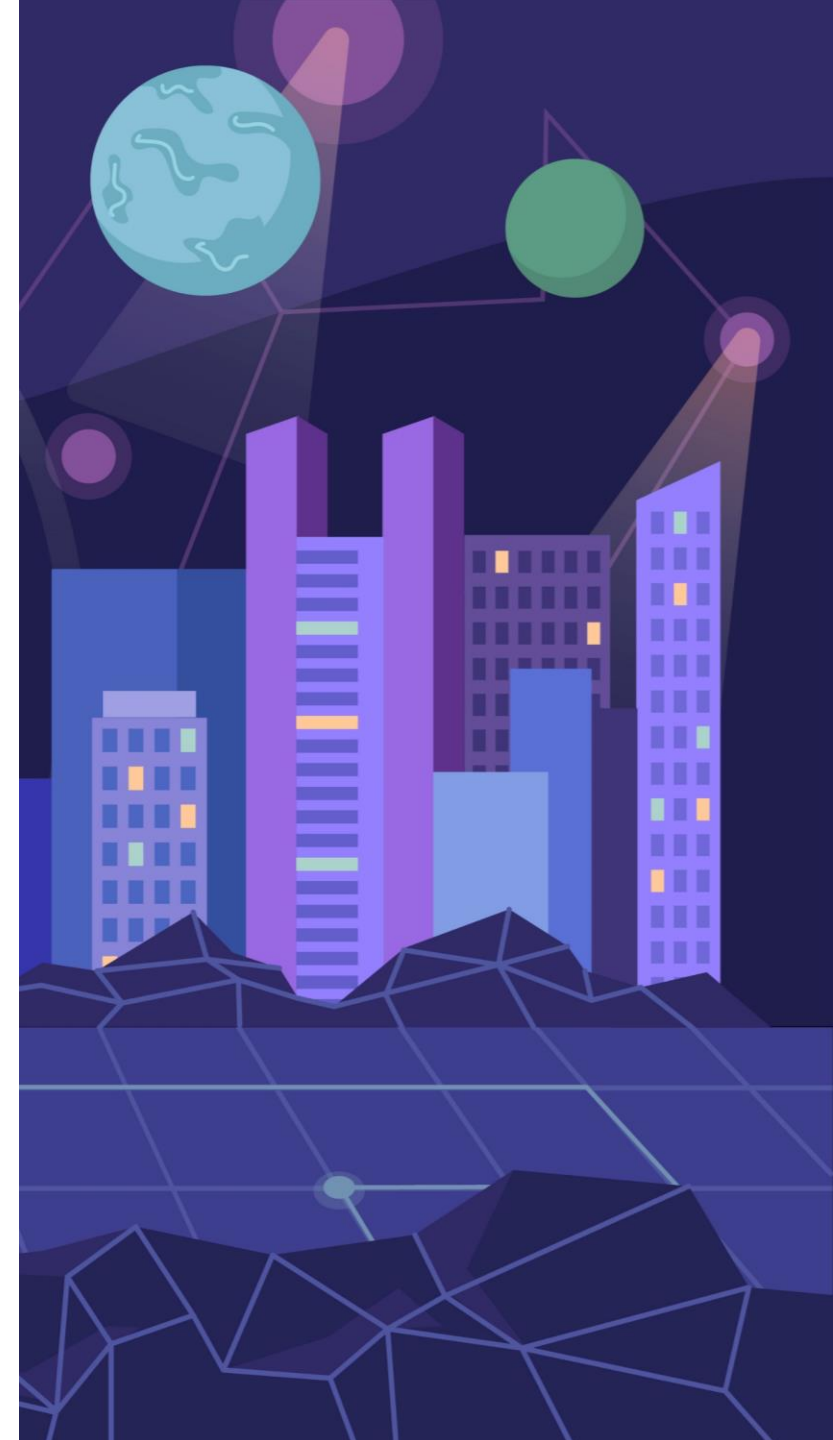


**More than 500 experts
involved in the FG-MV**



1 new Working Group and 10 new Task Groups have been approved (at the 2nd FG-MV meeting)

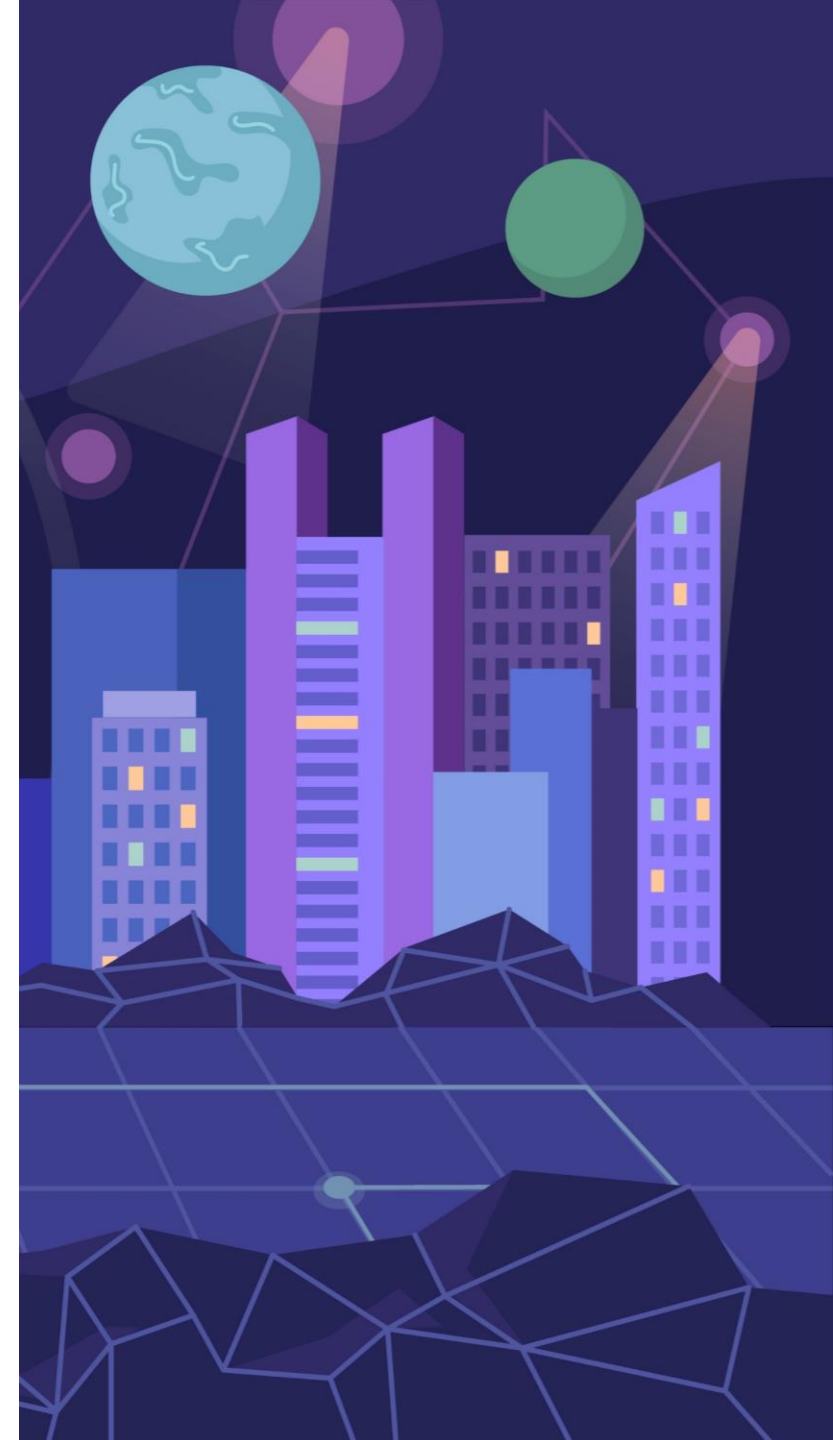
Working Groups	New Task Groups
WG1 - General	TG on terminology & definitions
	TG on implications for people in the metaverse
	TG on pre-standardization for the CitiVerse
WG2 - Applications & Services	TG on Generative Artificial Intelligence in the metaverse
	TG on Embodied Artificial Intelligence for metaverse
	TG on medical metaverse
	TG on metaverse tourism
	TG on power metaverse
	TG on Industrial metaverse
WG8 - Sustainability, Accessibility & Inclusion	TG-design criteria and metrics with incentives for sustainable metaverse
	TG-metaverse social safety
WG9 - Collaboration	TG-gap analysis



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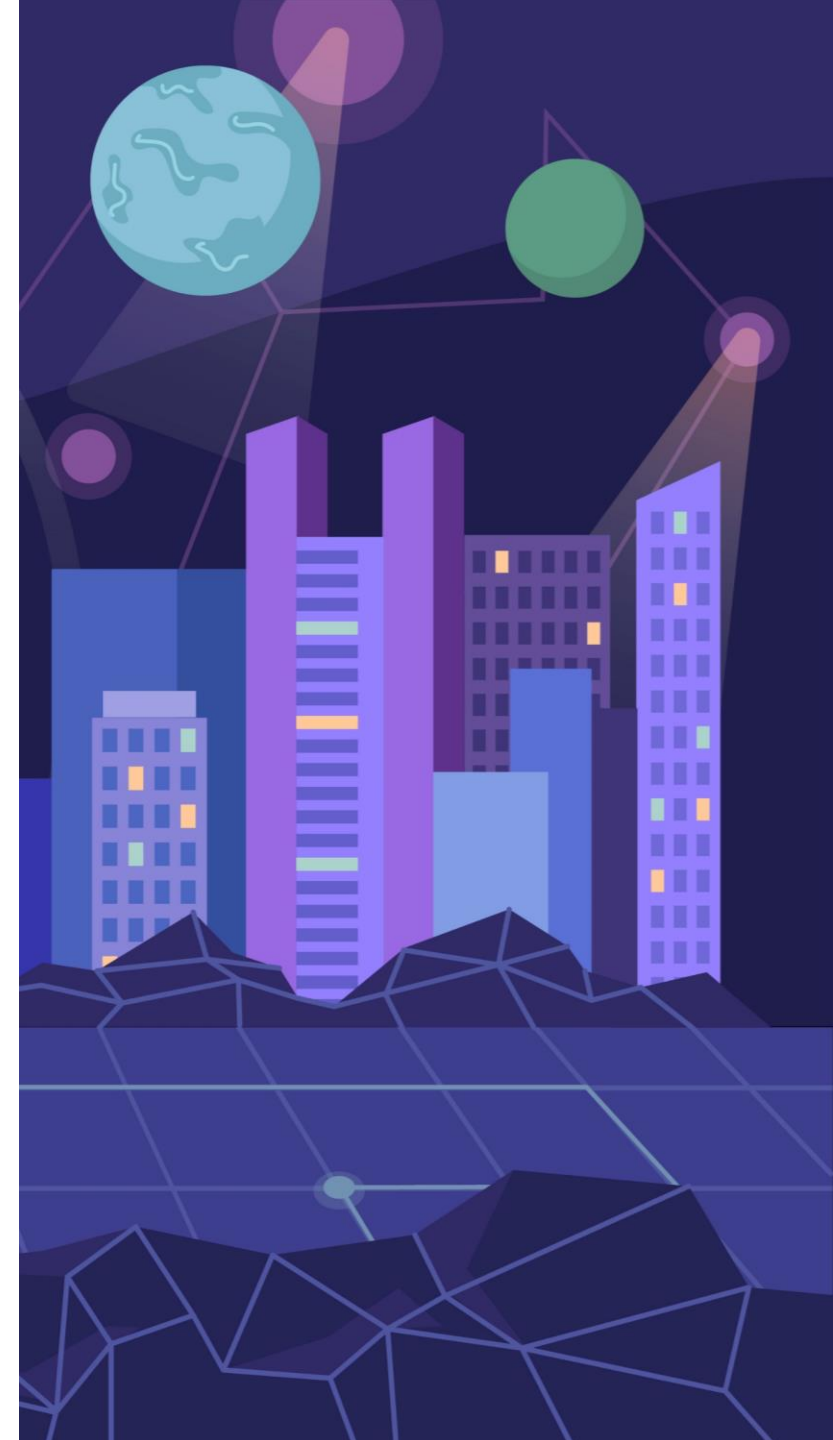
Terms of Reference

- Business ecosystem
- Collection of best practices, including a gap analysis
- Roadmap for setting technical standards
- Overall concepts, service model, related technologies of metaverse platforms and services
- Issues outside the scope of other WGs



Working Group 1 Ongoing Draft Deliverables

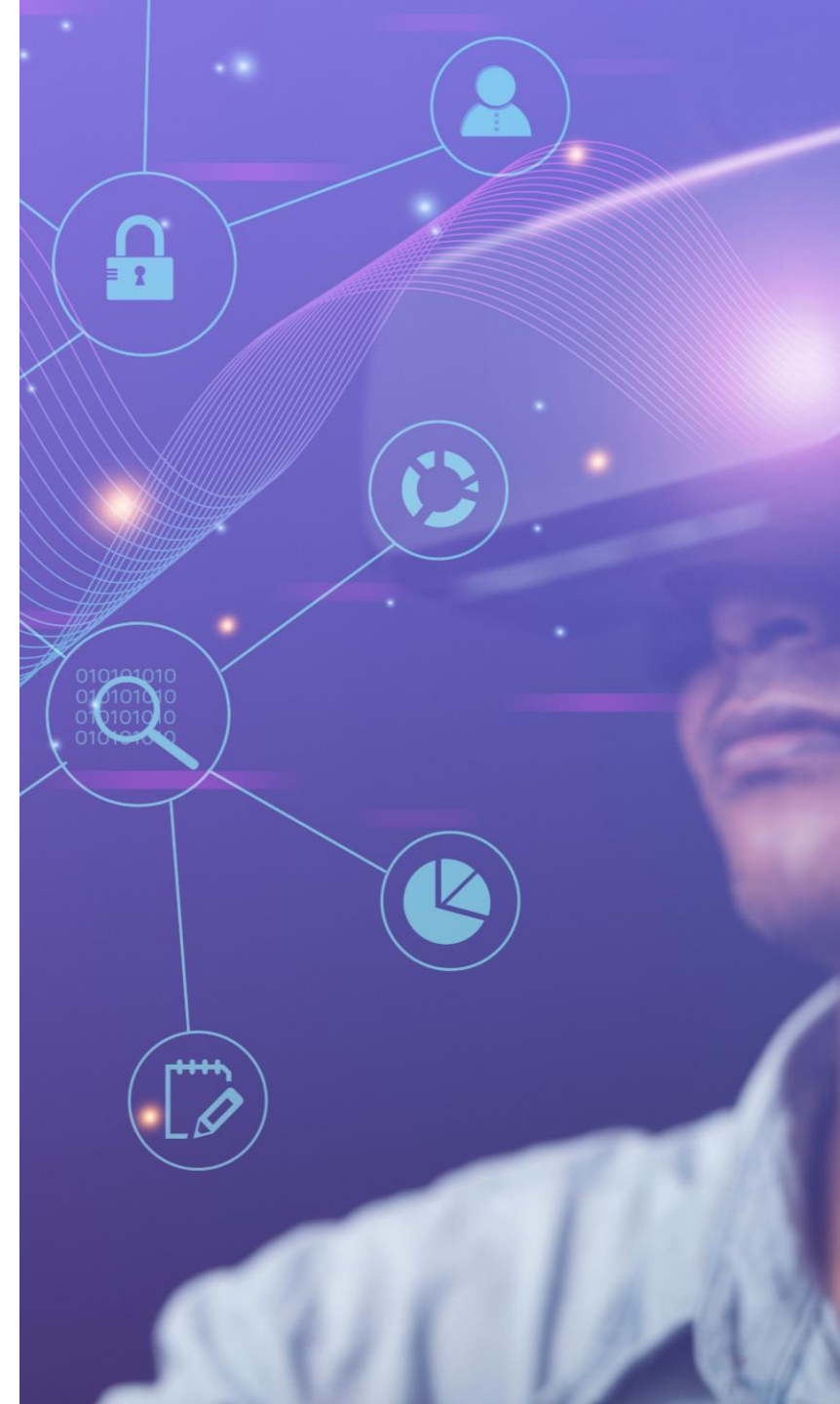
FGMV-D1.0-gap	Gap analysis on metaverse standardization	Leonidas Anthopoulos (University of Thessaly, Greece)
FGMV-D1.12-overview	Metaverse overview	Younghwan CHOI ETRI Korea (Republic of)
FGMV-D1.9-definitions	An analysis of definitions	Sophia Papathanasopoulou Ministry of Digital Governance, Greece Leonidas Anthopoulos University of Thessaly, Greece
FGMV-D1.10-implications	Near-term and long-term implications of people in the metaverse	Radia Funna, Build n Blaze (United States)
FGMV-D1.4-vocabulary	Vocabulary for Metaverse	Xiaomi An (Renmin University of China) Jie Song (State Grid of China)



Exploring the metaverse: opportunities and challenges

The **1st time** that a deliverable has been approved at the 2nd Focus Group meeting.

This technical report aims to explore the opportunities and challenges and clarify the important role of international standards and the potential for the metaverse in the achievement of the UN SDGs.



Exploring the metaverse: opportunities and challenges

1

Background

2

Challenges

3

Opportunities

4

The key elements of the metaverse

5

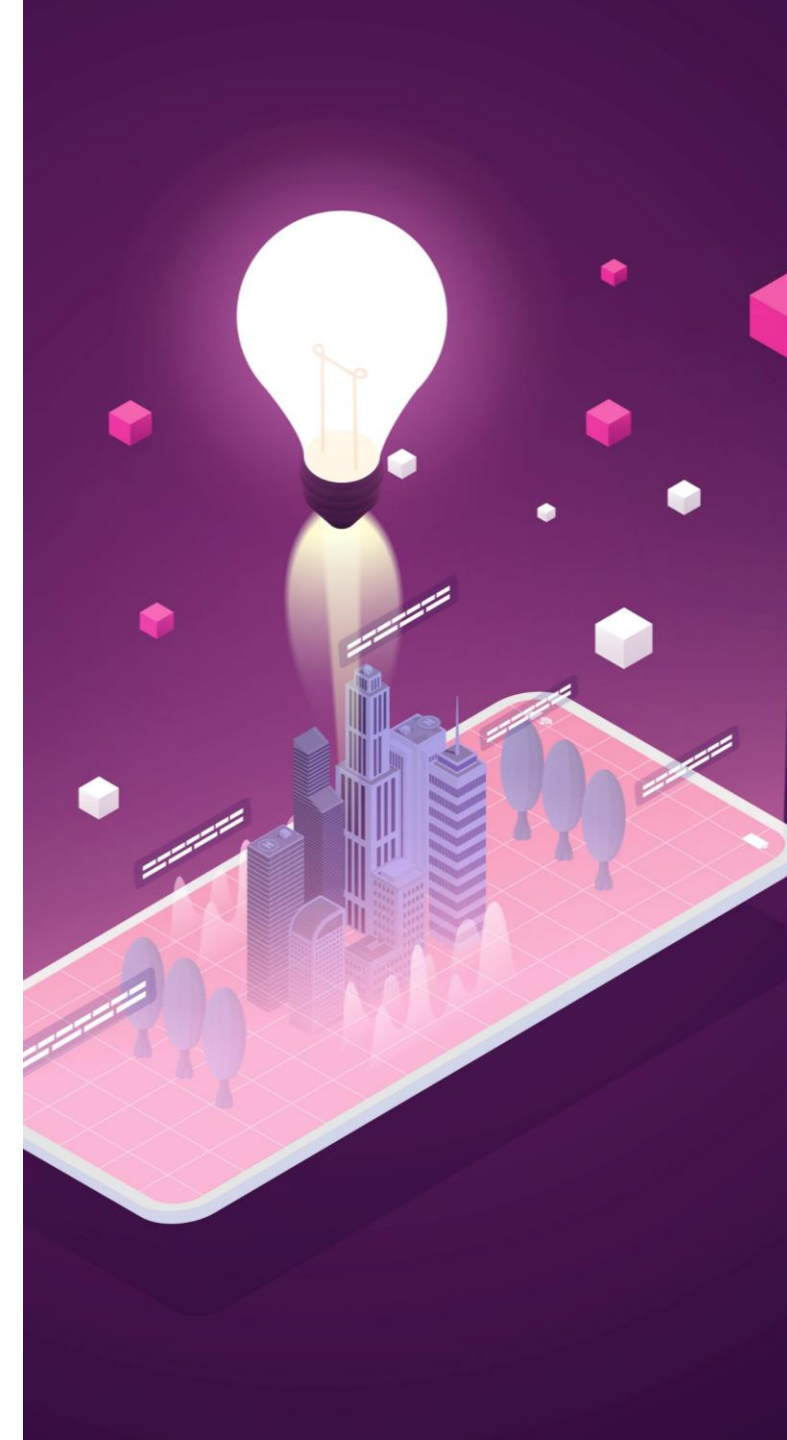
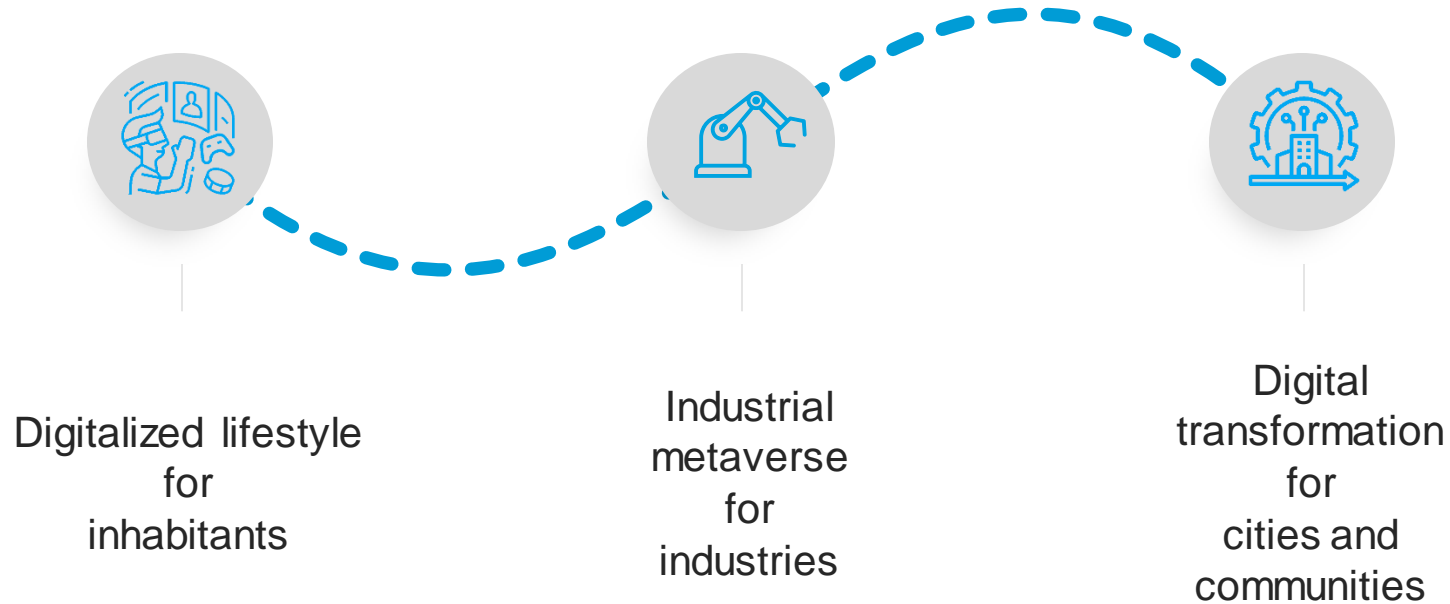
The role of international standards

6

The metaverse for the SDGs



Three key scenarios of the metaverse



Digital transformation for cities and communities

Several cities have already identified the importance of this trend. Indeed, the metaverse has been pioneered in cities around the world.



The Republic of Korea aims to create its metaverse ecosystem

- Metaverse Seoul: virtual municipal world



Japan is preparing for the spread of metaverse in cities and communities

- Shibuya Ward Certified Virtual Shibuya



Interested in Learning More?

Don't miss the upcoming ITU events on metaverse



12 September 2023, Arusha, Tanzania

- Special metaverse session



13 September 2023, Arusha, Tanzania

- 3rd ITU Forum on “Cities and the metaverse: Shaping a citiverse for all”



2 October 2023, Virtually

- Webinar on “Fashioning” the metaverse to accelerate digital transformation: what has gone out of style



3-5 October 2023, Geneva, Switzerland

- Third meeting of the FG-MV



18 October 2023,
Riga, Latvia

- Special metaverse session



Thank you!



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Website

<https://itu.int/metaverse>

*Check out the
Executive briefing on
metaverse*

