

4th ITU Forum on "Shaping the CitiVerse: People centred cities & virtual worlds", Queretaro, March 2024

Mission of innovative development in the metaverse industry

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The real universe

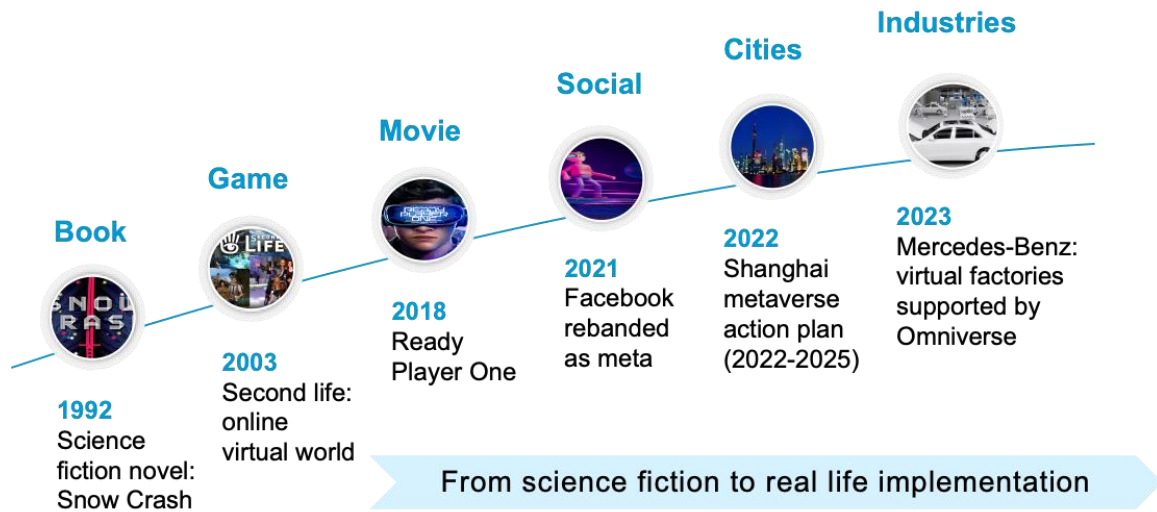
- ❑ Metaverse, an immersive interconnected space that depicts the integration of digital and physical world
- ❑ It can be at the cosmic level
- ❑ Three-Body Problem, a science fiction novel, describing the repeated destruction and reconstruction of the world

Deep thinking and grand picture also need to be achieved step by step



Metaverse: From Game to Industry

- expected to form a future industry for the integration, innovation, and application of new generation information technology
- the fusion of digital economy and real economy

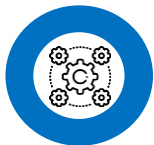


Mission and Tasks: Metaverse industry



Next generation of Internet

- ❑ Leading the development of the next generation of Internet through mutual promotion between reality and virtuality



Manufacturing

- ❑ Accelerate the upgrading of high-end, intelligent, and green manufacturing



Modern industrial system

- ❑ Support the construction of a modern industrial system.

Source: Three Year Action Plan for Innovation and Development of Metaverse Industry (2023-2025)
元宇宙产业创新发展三年行动计划 (2023-2025 年)

Key Tasks: Innovative development (1/2)

- Task 1: Promotion of key technologies
 - Data circulation technology (blockchain, privacy computing, etc.)
 - Data production technology (intelligent coding, intelligent editing, etc.)
 - Digital twin technology (real-time simulation, physical modeling, etc.)
- Task 2: Enriching the supply of metaverse products
 - XR head display, naked eye 3D, brain computer interface, digital human, virtual conference room...
- Task 3: Cultivation of industrial ecosystem
 - Metaverse Industry Atlas, Typical Application Cases, Industry Alliance...
- Task 4: Reconstruction of industrial metaverse
 - Industrial Metaverse+Production Line, Industrial Metaverse+Factory, Industrial Metaverse+Park

Source: Three Year Action Plan for Innovation and Development of Metaverse Industry (2023-2025)
元宇宙产业创新发展三年行动计划 (2023-2025 年)

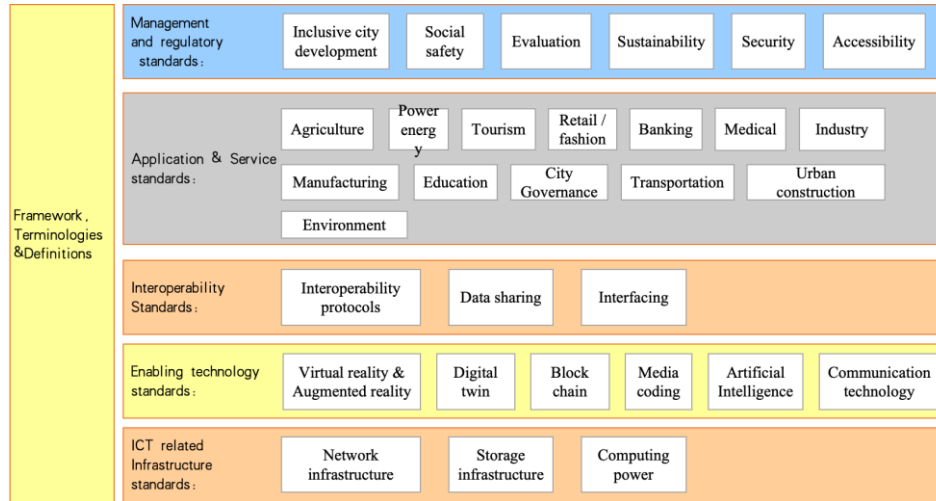
Key Tasks: Innovative development (2/2)

- Task 5: Promotion of immersive interactive life consumption scenarios
 - Cultural and tourism metaverse, digital gallery, digital human explanations, XR tours, virtual shopping malls...
- Task 6: Construction of ICT infrastructure
 - communication networks, computing power networks, and storage networks
- Task 7: Promotion of metaverse standardization
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Source: Three Year Action Plan for Innovation and Development of Metaverse Industry (2023-2025)
元宇宙产业创新发展三年行动计划 (2023-2025 年)

Standardization Roadmap of metaverse

- Trial of outlining standardization tasks for ITU SGs, other SDOs, consortium and forums
- Will also contribute to domestic standard workplan led by MIIT China



Source: ITU FG-MV Technical Report on Standardization Roadmap of metaverse

Examples: promotion at city level (18 cities, industrial parks or clusters)

Shanghai 上海

- Shanghai 2035, Immersive Urban Planning
- Ecological and environmental protection
- Digital human



Nanjing 南京

- Metaverse + Medical Education
- Metaverse + Realistic Games
- Metaverse + Consumption Scenarios

Examples: promotion at city level (18 cities, industrial parks or clusters)

Xian 西安

- Movies
- Cultural and creative industries
- Digital museum



Hangzhou 杭州

- Digital Twin, AI
- E-Commerce
- XR industrial park
- Vehicle metaverse

Gracias!

Thank you!

谢谢!