

Global Initiative on AI and Virtual Worlds - *Discovering the Citiverse*

# The AI-Enabled Citiverse

*A Strategic Blueprint for Cities in the Age of AI*



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**Citiverse  
Initiative**

# Five Forces Reshaping Cities

*Converging pressures demand a new kind of urban intelligence.*



## Maturation of AI

Autonomous reasoning reshapes every public service.



## Economic Restructuring

Digital competitiveness is now a prerequisite.



## Governance Complexity

Cross-sector coordination demands new tools.



## Shifting Citizen Expectations

Residents demand hyper-personalized services.



## Climate Volatility

Anticipatory planning is now essential.

**i** Cities must redesign as intelligent, anticipatory systems.

# THE STRATEGIC SHIFT

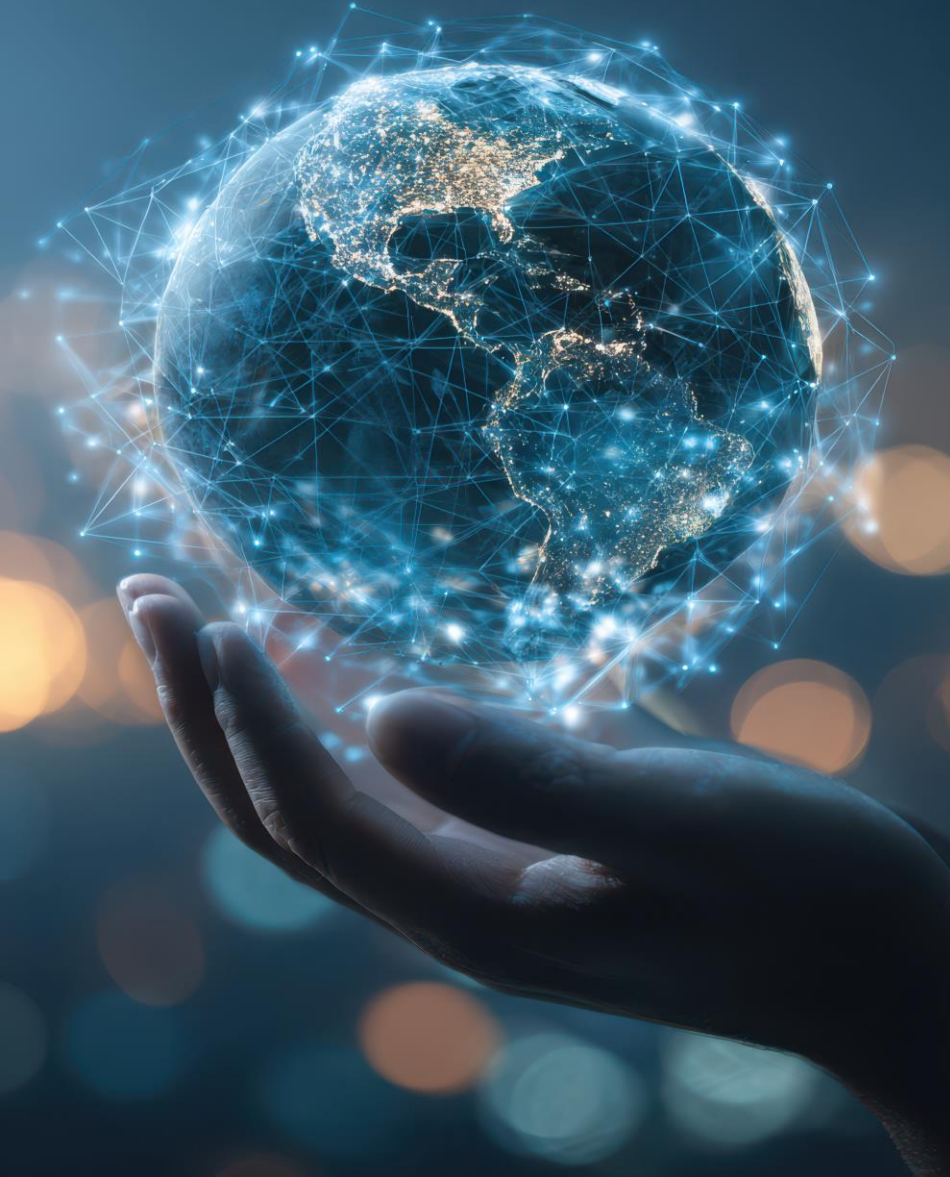
## *From Infrastructure to Human Potential*

### Then: Optimizing Infrastructure

- Roads, grids, transit
- Essential, but no longer sufficient

### Now: Optimizing Human Potential

- Strategic foresight
- Risk-free simulation
- Evidence-based policymaking
- Citizens at the center



# Decoding the Frontier

*From Technologies to Civic Capabilities*

## Virtual worlds

*Enabling immersive environments*

- Immersive data
- Spatial collaboration



## Artificial intelligence

*Enabling reasoning and autonomy*

- Predictive intelligence
- Autonomous response



## Digital twins

*Enabling systems intelligence*

- System simulation
- Policy foresight



## Data foundations

*Enabling AI sovereignty*

- Secure infrastructure
- Data sovereignty





## Human-Centered by Design

The true measure is not technological sophistication — it is human empowerment.

### **Inclusive Access**

City services through natural language. No resident left behind.

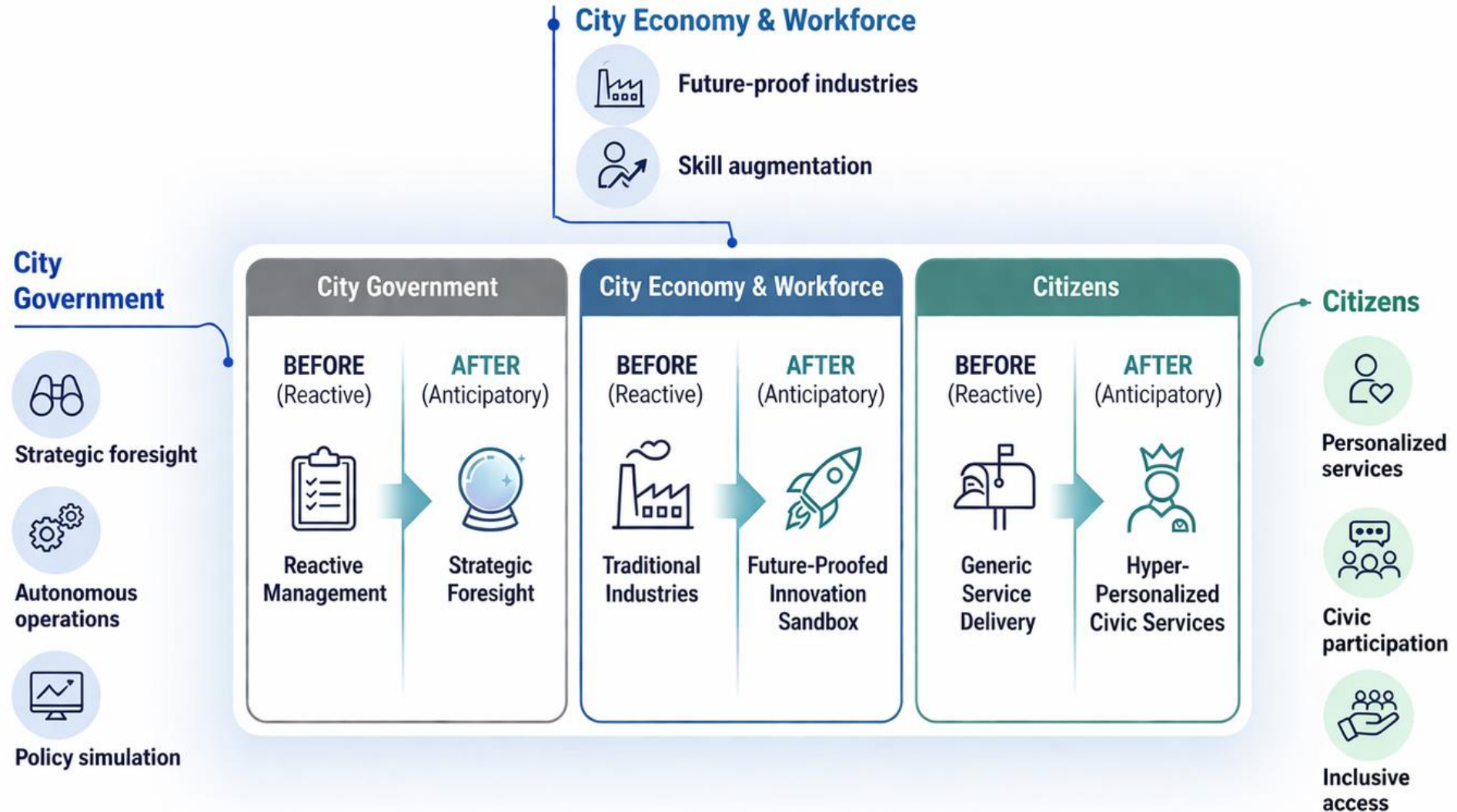
### **Human-Level Intelligence**

AI that addresses complex, nuanced challenges with depth and empathy.

### **Workforce Augmentation**

Elevating city employees, not replacing them.

# Building the AI-Enabled Citiverse Ecosystem for Cities



# Built for Every City. Shaped by Local Priorities.

No universal blueprint. One shared architecture. Infinite local expression.



## Diagnose Local Needs

Start with community data, not imported assumptions.



## Align with Civic Mandates

Embed vision within political and community commitments.

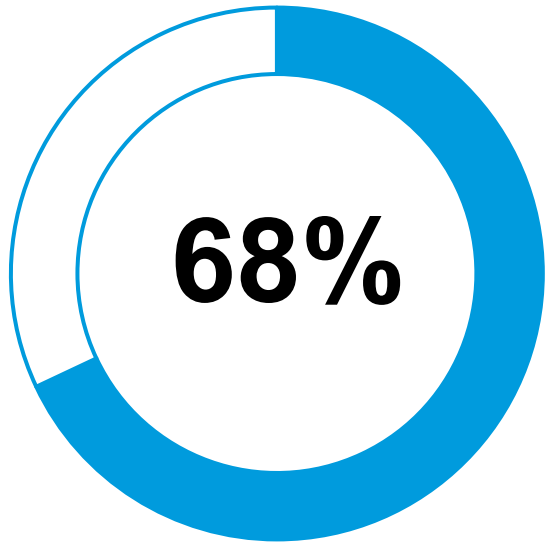


## Build for Scalable Sovereignty

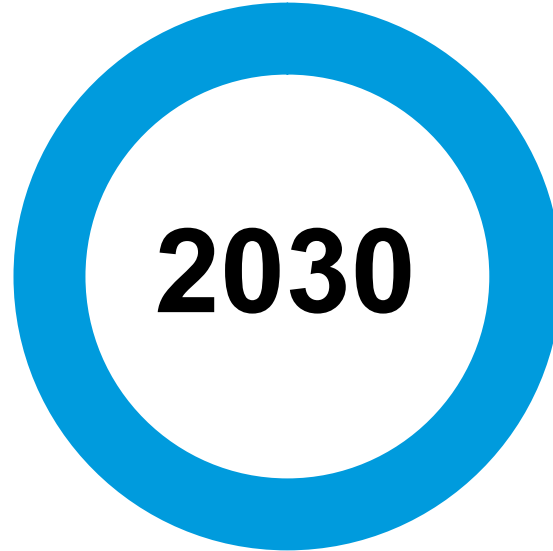
Own your data. Avoid lock-in.  
Grow on your terms.

## The Window Is Open. Act Now.

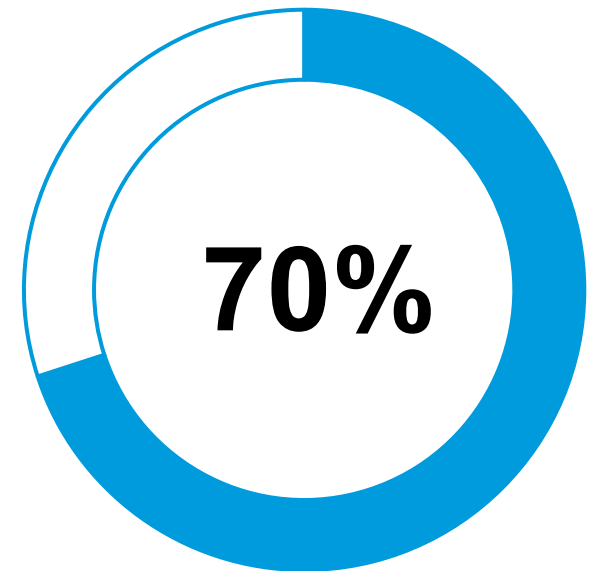
Cities that move in the next 24 months will define the standards for a generation.



**of global GDP** generated by cities. Urban AI is an economic imperative.



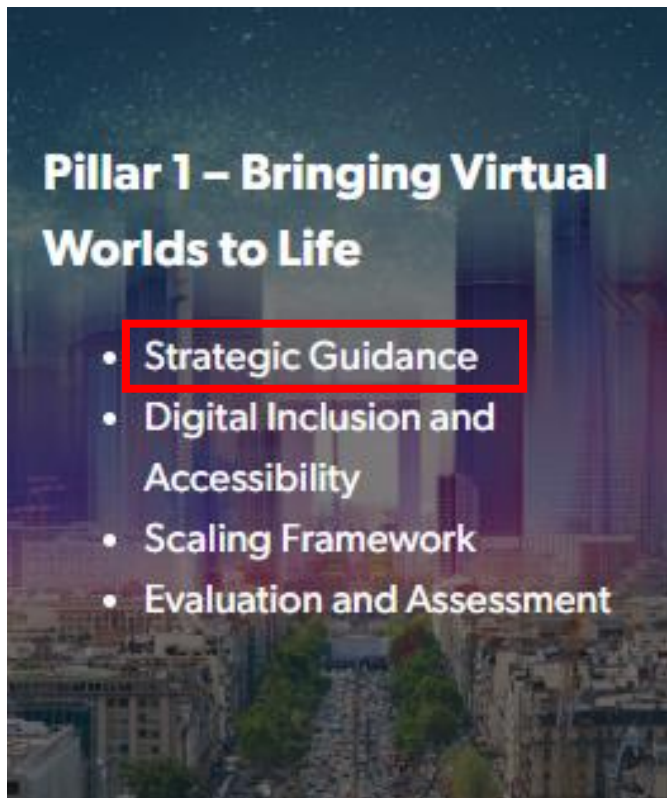
**UN SDG deadline.** Cities must dramatically accelerate innovation.



**of humanity** will live in cities by 2050. Scale intelligence before demand overwhelms capacity.

# Global Initiative on AI and Virtual Worlds *Discovering the Citiverse*

A growing multistakeholder coalition of 70+ partners



**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 for Developing Countries

# Global Initiative on AI and Virtual Worlds — *Discovering the Citiverse*



## The AI-Enabled Citiverse: A Strategic Blueprint for Cities in the Age of AI



This deliverable was led and coordinated by **Teppo Rantanen** (City of Tampere, Finland) and **Okan Geray** (Dubai Digital Authority).



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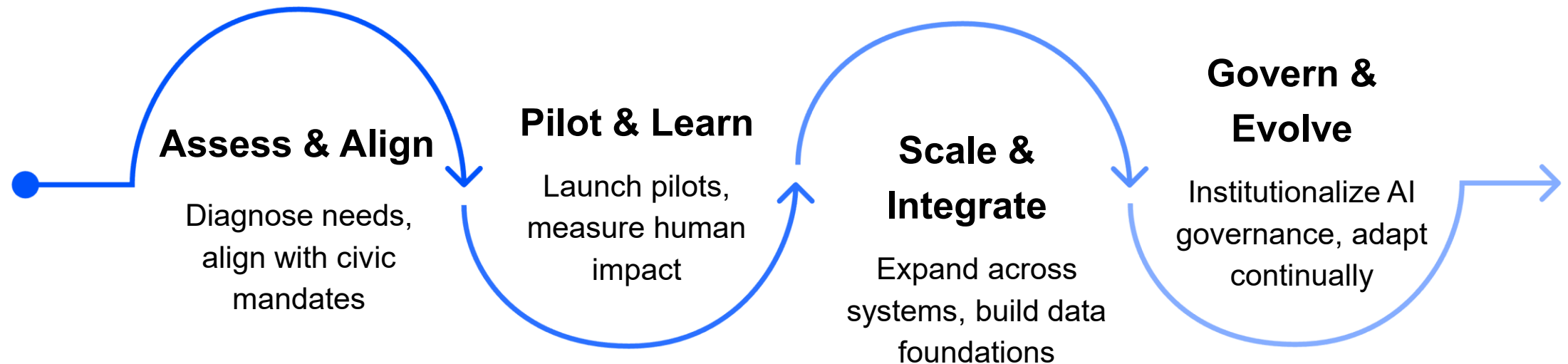
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👉 Join 70+ partners in the Global Initiative. Build the intelligent, human-centered city of tomorrow.

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# Thank you!



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