

Building Tampere's Citiverse

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Digital Innovation for Better Cities

Through funded projects, such as x-CITE, DT-aCoGo, and AI4Citizens Tampere is transforming digital innovation into better decisions and better cities, combining citizen engagement, digital twins, and interoperable urban data to shape a scalable, European Citiverse. This work gives us clearer insight into how people experience the city and helps us work more effectively across systems.



Human-Centric Citiverse

Tampere has a strong history as a smart city, shaped by its dynamic technology-driven startup culture, collaboration between the public and private sectors, and strategically targeted development programs – one of the latest being *Data-Driven City for Citizens*.

The Citiverse is the next step in smart city development, and it's the path we are currently on

In Tampere, we're building our Citiverse—a human-centric digital layer where local digital twins, AI and XR help residents experience their city. This isn't theory; it's anchored in EU programmes and active pilots that we lead and co-create with our International partners, collaborating closely also with ITU.

We're aligning Tampere's work so the virtual and physical worlds meet responsibly—supporting better planning, climate resilience, and meaningful participation.



Making Participation Tangible Through XR & AI

To operationalise our vision, Tampere leads **x-CITE**—a EU Digital Europe project using XR and AI to make city engagement tangible. The pilots run in **Tampere, Rotterdam and Flanders**

The Tampere pilots use Citiverse to bring culture and history to life through immersive digital experiences. From interactive public art maps and extended reality (XR) enhanced exhibitions to interactive storytelling of the 1918 Civil War, citizens and visitors can explore Tampere's heritage in engaging new ways.

The pilots foster cultural participation, education, and creative expression by integrating XR into museums and public spaces

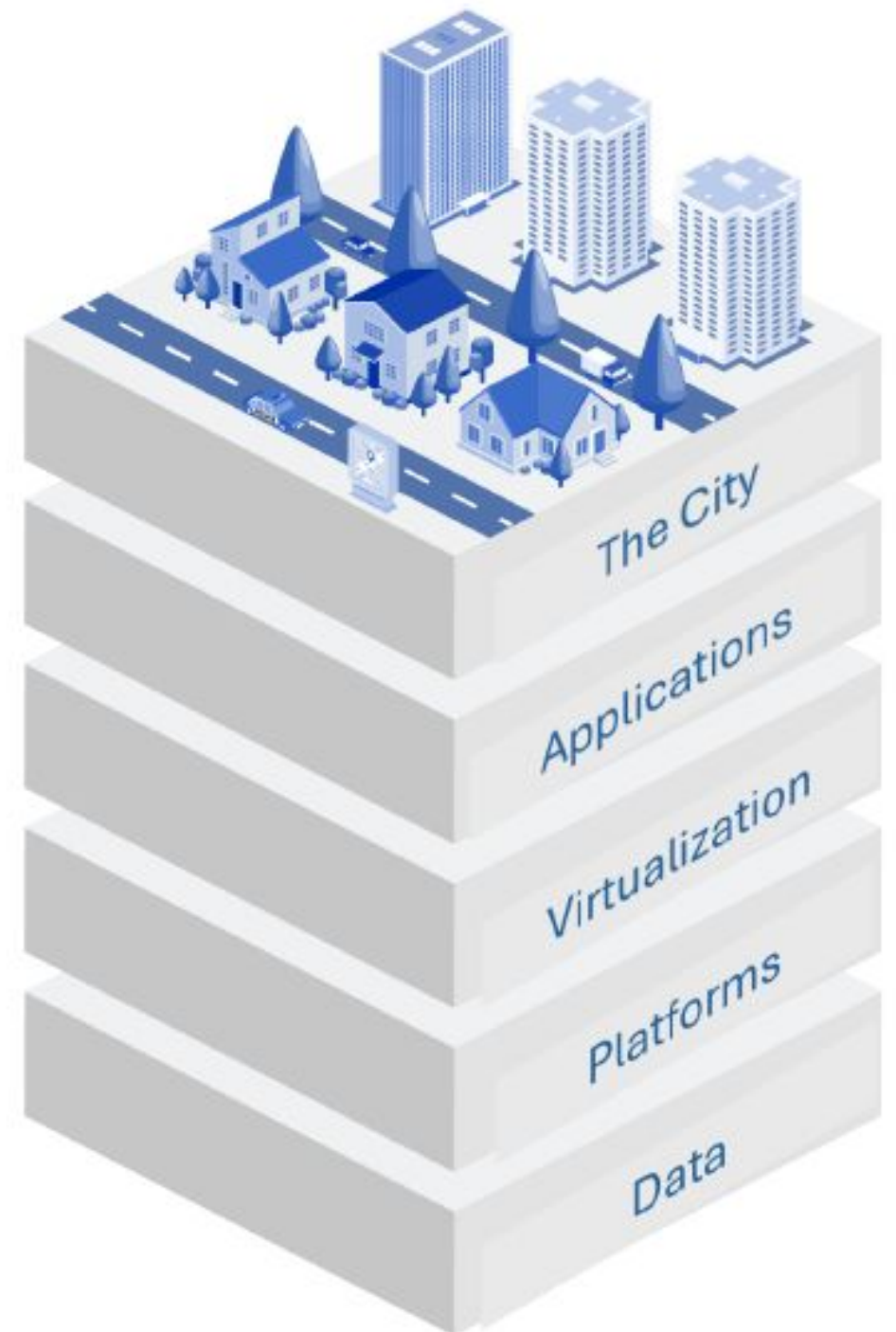


Building Interoperable Digital Twin Pipelines

In **DT-aCoGo** with **Rotterdam** and **'s-Hertogenbosch** we aim for **replicable recipe templates** for digital-twin pipelines, so models and data services can become *develop once, deploy anywhere*.

Data space for connecting data, models and users—and **model-to-model interoperability** for cross-domain decisions (mobility, flooding, heat stress) across **current, near-future, and long-future** timelines.

In Tampere, the **Station Centre mobility hub** is our testbed—using shared datasets and validated model inputs to make congestion mitigation and resilience planning easier to explain and decide.



Building the Citiverse—Together

With these projects, and many more, we're already proving what's possible. Tampere's Citiverse is taking shape because of the partners, cities, researchers, and creators who build it with us.

The challenges we're solving are shared, and the impact grows when our work connects across teams, countries, and domains.

The Citiverse becomes real when we build it collectively — and we're just getting started



Thank You

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