



ADUCAT

Vienna launches digital innovation project
for satellite-supported urban development

Project Description

**Stadt
Wien**

EUROPEAN
URBAN
INITIATIVE

 **ADUCAT**



Co-funded by
the European Union





ADUCAT – Seeing Vienna. Shaping the Future

With ADUCAT, the City of Vienna is setting another milestone on the path toward data-driven, digitally sovereign, and future-oriented urban development. The European innovation project demonstrates how modern Earth observation, satellite data, and intelligent analysis methods create concrete added value for urban planning, infrastructure management, and strategic decision-making processes.

Within the framework of the project, high-frequency satellite data from the EU Copernicus programme, value-adding analytical methods, and modern Earth observation technologies are used. The aim is to establish an actionable data space that efficiently, continuously, and in high resolution captures infrastructure, green spaces, ground movements, and temperature distribution.

EU-funded, Implemented Locally

As one of only 20 cities (out of 110 submissions), Vienna was selected under the European Urban Initiative – Innovative Actions (EUI-IA) and receives approximately five million euros in funding. The project is co-financed at 80 percent and runs from October 2025 to March 2029.

During this period, new digital tools, analytical models, and governance structures will be developed, tested, and integrated into the administrative processes of the City of Vienna.

Core Application Areas

Cool City – Heat Mitigation and Temperature Forecasting

Satellite-based data enable detailed temperature maps and forecast models that support strategic urban planning decisions and cooling measures.

Green City – Monitoring of Vegetation and Green Spaces

Continuous satellite observation makes the development and impact of green areas measurable and supports targeted greening strategies.

Safe City – Early Warning Systems

Radar remote sensing and InSAR technologies detect ground movements and infrastructure risks at an early stage, enabling preventive action.



Transparency, Participation and Open Data

Selected results are made publicly accessible via open data platforms such as Open Government Data Vienna. Citizens can understand how data-based decisions are made and what impact measures achieve.

Technology for Vienna – and Beyond

The developed tools and data will be integrated into administrative structures via the Green Transition Information Factory (GTIF) and remain permanently available. ADUCAT is designed to be scalable and transferable to other European cities.

Added Value for the People of Vienna

The project improves public space design, strengthens green and recreational areas, and enhances infrastructure safety. Urban planning becomes more transparent and evidence-based.

ADUCAT Consortium

- AIT Austrian Institute of Technology • EOX IT Services GmbH • Eurovienna GmbH • GeoSphere Austria GmbH • OHB Digital Services GmbH • Paris Lodron University of Salzburg • Sistema GmbH • Ubicube GmbH • UIV Urban Innovation Vienna GmbH • VRVis Centre for Virtual Reality and Visualization
- WH Media GmbH • Wiener Linien GmbH • Wiener Lokalbahnen GmbH





