

# SmartUrbanity

## Project Deliverable

### D1.3 Data Management and Risk Mitigation

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## Document Control

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## Executive Summary

SmartUrbanity is a collaborative European research and innovation initiative designed to operationalize the *15-minute city* paradigm through the integration of data-driven, citizen-centric, and participatory digital solutions.

The project unites a multidisciplinary consortium of cities, academic institutions, SMEs, transport operators, and civil society organizations to co-develop actionable strategies and deploy scalable tools that enhance urban accessibility, inclusivity, environmental sustainability, and social proximity.

At the heart of SmartUrbanity is the development and deployment of three interconnected technological pillars:

- The Citizen Engagement App, enabling participatory data collection and feedback.
- The Accessibility Analysis (AA) Platform, providing geospatial and statistical evaluations of multimodal access.
- The Decision Support System (DSS), integrating simulation outputs and policy impact modeling for evidence-based decision-making.

This deliverable, D1.3 – Data Management and Risk Mitigation, defines the comprehensive governance framework for the management of all data generated, processed, and shared throughout the project.

It details the mechanisms by which SmartUrbanity ensures data quality, consistency, traceability, security, and ethical compliance, in accordance with Horizon Europe’s Open Science policy and Regulation (EU) 2016/679 (GDPR).

The document specifically addresses:

- A complete inventory and classification of data types to be collected across pilots, including mobility traces, accessibility metrics, citizen perception feedback, and simulation outputs.
- Implementation of the FAIR data principles—ensuring datasets are Findable, Accessible, Interoperable, and Reusable in alignment with European Commission guidance.
- A risk identification and mitigation framework, with explicit technical and organizational measures to protect personal and sensitive information.
- Defined roles, responsibilities, and procedures for consortium partners to maintain legal, ethical, and technical compliance.

SmartUrbanity is committed to maximizing data transparency and openness, in line with the principle of “as open as possible, as closed as necessary.” Non-sensitive and anonymized datasets will be disseminated through trusted open-access repositories (e.g., Zenodo, OpenAIRE), with metadata and licensing enabling long-term reuse and reproducibility.

As a living document, Deliverable D1.3 will be updated at key milestones to reflect evolving project needs:

- Month 18 (Interim Update): Incorporation of initial pilot datasets, updated risk assessments, and repository records.
- Month 36 (Final Update): Consolidation of final datasets, post-project archiving strategy, and final risk mitigation evaluation.

This Data Management and Risk Mitigation Plan underpins the technical robustness, regulatory compliance, and societal credibility of SmartUrbanity’s outputs, ensuring that its innovations are responsibly managed, replicable, and capable of scaling across diverse European urban contexts.