

BIO-INTEL-MOB Brings Intelligence to the Urban Edge

Transforming peri-urban mobility and governance through data, innovation and citizen participation

ROME, 28 September 2026 - Nine months after its launch, BIO-INTEL-MOB is moving from project design to practical preparation. The 42-month Horizon Europe Innovation Action is building a connected approach to mobility, logistics and governance in the often-overlooked peri-urban areas.

These spaces are critical to cities, as they connect the urban contexts to their surroundings, and represent their future development areas. By improving the mobility and logistics of the peri-urban areas through safer green mobility, citizen centric decision-making and the development of better data-gathering methods, the project aims to solve existing issues and anticipate the needs of these not-yet-urbanized spaces.

Rather than treating public transport, active travel, shared mobility, freight and public decision-making as separate systems, BIO-INTEL-MOB will test how they can work together. Large-scale pilots are planned in Rome, Cascais, Riga and Vilnius, with satellite pilots in Melsungen, Ciampino, Urla and Rhodes; transferability work will also consider Kyiv and Izmir.

The followed approach is trifold: development of digital tools, improvement of mobility and logistics through innovative solutions, and a larger public engagement system.

Digital solutions, such as integrated mobility data, digital twins and predictive analytics, will create an ecosystem capable of combining information from public and private sources, analyzing and translating them into practical recommendations, that will take into account safety, congestions, emissions and individuals' needs.

Safer mobility solutions, such as green-safe routing, vulnerable road-user protection and safety algorithms, as well as sustainable logistics solutions, such as IoT tracking, reusable packaging, micro-hubs and e-cargo-bike integration, will make it easier to move between public transport, cycling, walking, shared mobility and micro-mobility, and will reduce single-use packaging, support cleaner last-mile deliveries and enable more circular freight operations.

A larger citizen engagement, achieved through digital solutions such as VR/AR simulations, a gamified decision-making platform and a citizen-voice application, that will allow residents to report daily peri-urban mobility issues and dialogue with public decision makers, will ensure more transparent, inclusive and responsive decisions. With this citizen-centric approach, BIO-INTEL-MOB will empower citizens of peri-urban areas in co-designing mobility solutions and public spaces.

Together, all these tools will connect data-driven decision-making with meaningful public participation and strengthen trust between citizens, planners and authorities. In so doing, BIO-INTEL-MOB will address key mobility and governance challenges faced in urban and peri-urban areas, across Europe.

BIO-INTEL-MOB brings together 32 organizations from 13 countries and is supported by close to EUR 9 million in EU funding. During the first half-year, the consortium established its common management and research framework, reviewed existing solutions, mapped user and stakeholder needs, and began preparing the data, legal and operational conditions for real-world pilots.

More information can be found on the BIO-INTEL-MOB [Website](#), [LinkedIn](#), and [Brochure](#).

About BIO-INTEL-MOB Project

BIO-INTEL-MOB is an EU-funded project that aims to transform peri-urban mobility, logistics, and

governance into a climate-neutral, data-driven, and citizen-centric system.

By integrating a Mobility Data Space, AI analytics, Digital Twins, Peri-Urban Mobility Hubs, green-safe routing, and circular logistics solutions, the project develops smarter and more sustainable mobility services for both people and goods.

BIO-INTEL-MOB addresses key mobility and governance challenges in urban and peri-urban areas by overcoming data fragmentation, improving multimodal efficiency, enabling green-safe mobility, and strengthening citizen-centric decision-making. Through four main pilots (Rome, Cascais, Riga, and Vilnius) and satellite sites (Melsungen, Ciampino, Urla, and Rhodes), the project deploys scalable, climate-neutral solutions built on AI, data integration, circular logistics and participatory governance.

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