

26 May 2026

## SOTERIA project completed after 3.5 years advancing safer and smarter urban mobility across Europe

After 3.5 years of collaborative research and innovation, the Horizon Europe project SOTERIA successfully concludes its journey, delivering a comprehensive framework and a suite of innovative solutions to improve urban road safety for Vulnerable Road Users (VRUs) across Europe.

Bringing together **research organisations, universities, public authorities, industry partners,** and **mobility stakeholders** from across Europe, SOTERIA has focused on addressing some of the most pressing urban mobility and road safety challenges through co-creation approaches, data-driven technologies, and real-world testing in Living Labs.

The project’s final event, hosted at the **University of Deusto in Bilbao, Spain** on 28 April 2026, marked the culmination of extensive work carried out in Living Labs across Chania, Dresden, Igoumenitsa, Madrid, Munich, and Oxfordshire.



## A journey of innovation: From vision to validated impact

Over its duration, SOTERIA followed a structured and impactful journey from research and co-creation to real-world validation and dissemination:

**2022** **The project began** with the establishment of a multidisciplinary European consortium and a shared governance framework aimed at addressing complex urban road safety challenges.

**2023** **Partners identified** key gaps, best practices, and emerging needs affecting VRUs. This phase was followed by extensive co-design and stakeholder engagement activities carried out through Living Labs and workshops involving local communities, public authorities, transport professionals, researchers, and citizens.

**2024** **SOTERIA developed** the technical services underpinning its core ecosystem, including data-sharing mechanisms, data analytics services, and modelling approaches. Solutions were subsequently tested in real urban environments, enabling the consortium to assess scalability, user acceptance, and operational relevance.

**2025** **The consortium refined and optimised** its solutions based on technical evaluations and stakeholder feedback, strengthening their robustness and deployment potential.

**2026** In its final phase, **SOTERIA assessed and validated** the impact of its solutions while disseminating results to European stakeholders, policymakers, researchers, and mobility practitioners.

## Supporting safer urban mobility through innovation

The project concludes with a secure and interoperable data environment enabling **multimodal road safety data to be shared and analysed** across different use cases. Complementing this, SOTERIA introduced **graph-based modelling approaches** capable of representing complex interactions between road users, infrastructure, environmental conditions, and contextual factors.

These developments supported **predictive analytics, behavioural analysis**, and decision-support capabilities designed to improve road safety outcomes, particularly for pedestrians, cyclists, e-scooter users, and other VRUs.

## From research to real-world impact

Throughout the project, SOTERIA validated its concepts and tools through real-world demonstrations and co-creation activities involving local authorities, transport operators, researchers, professionals, and citizens. The Living Labs played a central role in ensuring that **solutions were grounded in local realities and responsive to the everyday challenges** faced by road users and mobility stakeholders.

## A collaborative European effort

SOTERIA demonstrated the importance of **cross-sector collaboration** in tackling complex urban mobility challenges. By bringing together expertise from mobility, behavioural sciences, digital technologies, infrastructure, policy, and enforcement, the project contributed to a more holistic understanding of urban road safety. The project also highlighted the importance of **citizen participation and co-creation** in developing trusted and deployable mobility solutions.

## Looking ahead

Although the project formally concludes in 2026, SOTERIA's partners aim to build on the project's results through future collaborations, policy contributions, technology uptake, and further research and innovation activities. The project's outcomes provide strong foundations for future developments in urban mobility analytics, digital infrastructures, behavioural modelling, and safer transport systems across Europe.

## For additional information contact us!

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Co-funded by  
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