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SOTERIA delivers beta versions of innovative road safety solutions as final phase of testing begins

The SOTERIA Horizon Europe project is entering its final stretch — and it’s doing so with momentum. The **beta versions of its flagship road safety solutions** are now available, marking a bold transition from development to **hands-on, large-scale testing** ahead of project completion in 2026.

This milestone comes on the heels of a successful first phase of demonstrations across four Living Labs, where early prototypes were trialed directly with citizens and local stakeholders. Now, SOTERIA’s core technologies have evolved into fully functional beta solutions, ready to prove their value under real-world conditions.



Developed through extensive co-creation and collaboration, the SOTERIA beta suite introduces a comprehensive set of tools aimed to improve road safety, especially for Vulnerable Road Users (VRUs) such as pedestrians, cyclists and micro-mobility users. The beta solutions include:



AI-driven road-safety analytics and risk assessment tools, integrating multi-source traffic, mobility, environmental, and behavioural data



Urban digital twin and simulation tools, enabling cities to analyse accident hotspots, test safety scenarios, and evaluate preventive measures



Decision-support services for road authorities and policy makers, supporting evidence-based planning and safer urban mobility strategies



User-centric mobile and engagement tools, delivering safer routing, nudging mechanisms, and safety awareness for citizens and vulnerable road users

“The release of the beta versions represents an important milestone,” said Dr. Antonio Masegosa at the University of Deusto. “These tools move beyond early experimentation, having been developed and refined with input from real users, and are now ready for making impact in real-world contexts.”

Beta testing underway across Europe

Starting in early 2026, the beta solutions are being rolled out across **SOTERIA’s Living Labs**, in **Germany, Greece, Spain** and **the United Kingdom**, entering an extensive phase of real-world testing. This phase focuses on applying the tools in diverse urban contexts, addressing real traffic conditions and safety challenges.

Key objectives of this phase include:



evaluating usability, performance, and reliability in live urban environments



collecting feedback from city authorities, road users, and local stakeholders to inform final enhancements



strengthening pathways for exploitation, scalability and sustainability beyond the project lifecycle.

All consortium partners are actively involved in this testing phase to ensure that lessons learned directly inform the final versions of the solutions, as well as future exploitation activities.

Driving toward safer roads and lasting impact

SOTERIA’s work bridges research innovation with real-world application, striving to reduce road accidents and improve safety for VRUs through trustworthy AI, data-driven insights, and human-centric

innovation. The availability of the beta solutions represents both a culmination of intense research and a springboard for adoption and transferability across Europe.

As the project approaches its conclusion in April 2026, the consortium remains focused on delivering its final results, including validated and field-tested tools, transferable methodologies for urban traffic safety analysis and practical guidance for cities and road authorities.

SOTERIA is not just developing technology — it is helping **shape safer, smarter, and more inclusive urban mobility systems across Europe.**

For additional information contact us!

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