

# European Soil Erosion Monitoring and Modelling Network for Sustainable Agricultural Land Management

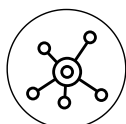
**A new scientific effort to understand soil erosion in Europe:** Erosion is a major threat to the ecosystemic services provided by soils, especially for nutrient cycling, provision of food, water purification, air quality impacts, leading to significant on- and off-site effects that need to be monitored, studied and prevented. It severely affects nutrient cycling, food production, and water purification, leading to significant on-site and off-site impacts that must be monitored, understood, and prevented.

To address this pressing challenge, the EUROSION project was launched on 1 November 2025. This large-scale research and innovation project brings together 24 partners from 13 countries, spanning a wide geographical range from Tunisia to Norway. EUROSION aims to advance knowledge, develop innovative solutions, and support effective strategies to protect soils and sustain their vital functions for ecosystems and society.

By providing an integrated, harmonized, and dynamic understanding of soil erosion, EUROSION directly contributes to the European Soil Strategy and the European Green Deal. The project also aligns with EU goals for sustainable agriculture and climate resilience, supporting evidence-based decision-making for soil protection across the continent.

EUROSION aims to establish a pan-European soil erosion monitoring network. The project relies on 14 monitoring nodes, covering the main soil erosion processes: water erosion, wind erosion and tillage erosion.

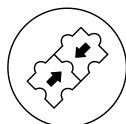
## Our 5 Objectives



Develop a **multi-scale Monitoring Network** and provide up-to-date and accurate data



**Enhance, calibrate, and validate** existing process-based erosion models to estimate soil erosion across space and time



Develop a **platform to facilitate the collaboration** between monitoring stakeholders and provide access to soil erosion data and knowledge



Provide farmers with recommendations on **best practices for reducing soil erosion**

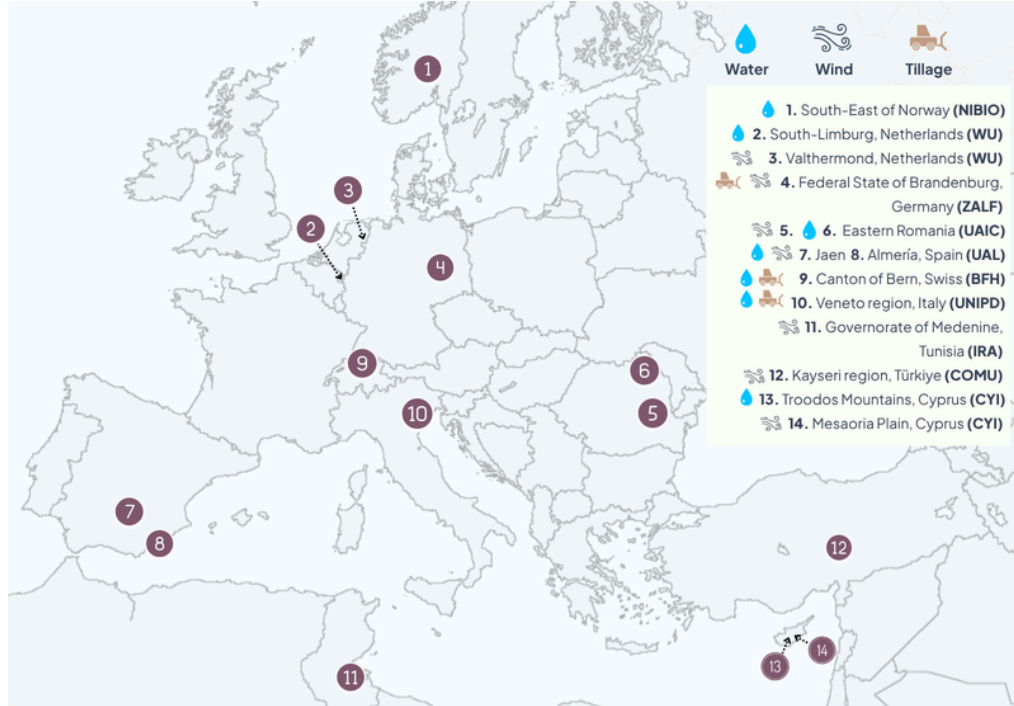


**Provide policymakers with recommendations** enhancing the adoption of practices reducing soil erosion.



# About the Monitoring nodes

EUROSION's monitoring nodes cover water, wind and tillage erosion processes in Europe and beyond. They create a robust monitoring network to support the expansion, improvement and harmonisation of existing data, knowledge, and monitoring approaches – methods, indicators, and process-based models – in order to develop a pan-European dynamic soil erosion monitoring system to assess soil erosion status and trends across spatial and temporal scales and promote best management practices to agricultural land managers and decision-makers to reduce soil erosion.



EUROSION partners at the **Kick-off Meeting** hosted by the project's coordinator, Wageningen University in the Netherlands between January 20–22, 2026.



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