WHY IS IT IMPORTANT?

TREESURE fills a critical gap in urban disaster preparedness by combining IoT sensors, satellite data, and root-anchorage solutions to monitor and stabilize trees in real time. It enhances public safety, supports proactive risk management, and fosters trust and engagement among citizens and local authorities, ensuring urban green spaces remain resilient and ecologically valuable.

PARTNERS

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TREESURE

DECISION SUPPORT TOOL FOR RISK EVALUATION MANAGEMENT AND AWARENESS OF TREE FAILURE DISASTERS

Smart tools for risk-informed management of Europe's urban forests

WHAT IS TREESURE

TREESURE is an EU-funded project launched in 2025 that develops a decision-support system for tree health monitoring, co-created with stakeholders across Europe. With windstorms becoming more intense, urban forests face higher risks of tree fall, which can turn afforestation into a hazard.

Public reactions to tree management are often mixed and influenced by misinformation. TREESURE brings together risk managers, practitioners, local authorities, and community groups from regions with different soils and climates to improve coordination, tailor local responses, and increase resilience to natural disasters.

PROJECT OBJECTIVES

1 - Enhance local preparedness by improving communication and coordination among responders, risk managers, citizens, and governments through an advanced Decision Support System to strengthen disaster response to falling trees.

2 - Deploy advanced technologies by integrating smart devices such as drones, sensors, and satellites, along with nature-based root anchoring systems, to collect data for better damage prediction and preparation against wind-related threats.

3 - Follow a comprehensive approach to raise awareness of tree-related incidents, balance the risks and opportunities of afforestation, and include trees in local risk and emergency plans.

4 - Enable real-time decision support through continuous monitoring, early warnings, and scenario simulations that improve preparedness and ensure timely, targeted responses to extreme events.

5 - Foster engagement and sustainability by involving citizens and stakeholders in co-created solutions and applying Life Cycle Sustainability Assessment to integrate environmental, economic, and social dimensions.

3
EUROPEAN COUNTRIES

11
PARTICIPANTS

3,48M€
IN EU FUNDING

3
YEARS OF DURATION