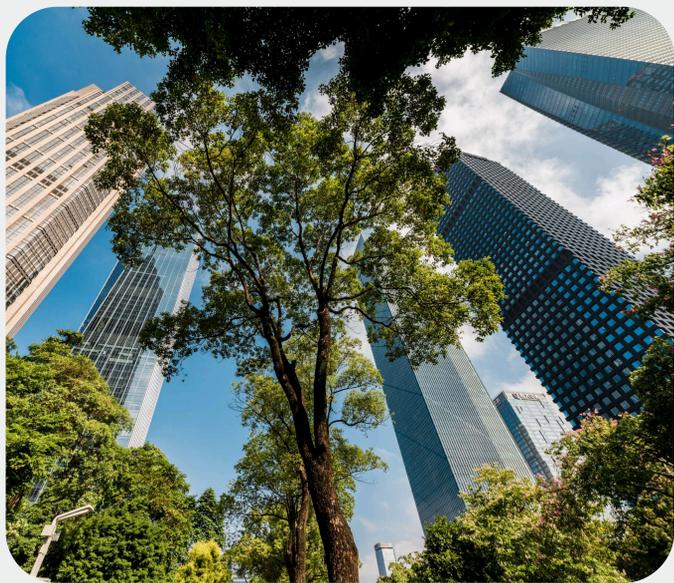




DECISION SUPPORT TOOL FOR RISK EVALUATION MANAGEMENT AND AWARENESS OF TREE FAILURE DISASTERS

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



WHAT IS TREASURE?

TREASURE is an EU-funded project that kicked off in 2025 dedicated to developing a decision-support system for tree health monitoring, co-created and co-designed with a wide range of local stakeholders across Europe.

The role of urban forests in local ecosystems has been widely acknowledged with their benefits ranging from leisure to climate change mitigation. However, with the growing intensity of windstorms affecting Europe and the increasing risk of tree fall, afforestation might become a part of the problem it attempts to solve: damage caused by meteorological events.

Parallel to this, tree cutting might elicit a mixed response from the public, further exacerbated by misinformation. Hence, the aim of the TREASURE project is to provide a decision support system for tree health monitoring, co-created and co-designed by the array of local stakeholders (risk managers, practitioners, local authorities and associations) representing different pedoclimatic zones across Europe for improved coordination and more tailored responses at the local level, increasing resilience to natural disasters.

3

EUROPEAN COUNTRIES

11

PARTICIPANTS

3,48M€

IN EU FUNDING

3

YEARS OF DURATION

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.

PARTNERS



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