

Welcome to the First Newsletter of the TREASURE EU Project

treesure.eu

N°1



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

Welcome to the first edition of the TREASURE newsletter, where we introduce our mission to support smarter, risk-informed management of Europe's urban forests. As climate change intensifies and extreme weather events such as windstorms become more frequent, cities face growing challenges in balancing the benefits of urban trees with public safety concerns. The TREASURE project brings together cutting-edge technology (including satellite data from ESA and IoT sensors) with the expertise of local stakeholders to co-create practical decision-support tools tailored to diverse European environments.

In this inaugural issue, you will discover our project's vision and progress through an engaging infographic, official press release, first project video, insightful blog articles, highlights from events and more, offering a comprehensive look at how TREASURE is working to enhance resilience, improve coordination, and foster informed dialogue around urban forest management.


***Decision support Tool for Risk Evaluation, management
and awarenEsS of tree FailURE Disasters***

TREESURE project presentation video
Click to watch!



TREESURE infographic

TREESURE PROJECT
Funded by the European Union



- The challenge: Tree failure risk**
Stronger storms increase the risk of tree fall in urban areas.
- A smart Decision Support System**
Tools for risk-informed urban tree management.
- Satellite and sensors data**
Combining satellite and IoT monitoring.
- Nature-based innovation**
Stabilising trees using root-anchoring systems.
- Co-creating resilient cities**
Working with local stakeholders across Europe.

Powered by **genially**

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This interactive infographic provides a clear overview of the TREESURE project, guiding you through the key challenges and solutions shaping the future of urban forest management in Europe.

It highlights the growing risk of tree failure due to stronger storms, and presents TREESURE’s response: a smart decision-support system powered by satellite and IoT data, combined with nature-based innovations like root-anchoring systems. It also emphasizes the project’s collaborative approach, working with local stakeholders to co-create resilient, climate-adapted urban environments.

Click on the image to explore each element in more detail through this interactive experience.

New TREESURE blog articles



THE HIDDEN THREAT TO CITY TREES: HOW CLIMATE CHANGE IS COMPROMISING URBAN GREEN SPACES

Our blog section brings expert insights to the forefront, with articles now available on the TREESURE website. In “*The hidden threat to city trees*,” the impact of climate change on urban tree health is explored, highlighting how many species are already living beyond their climatic limits, increasing their

vulnerability to disease and extreme weather, and underscoring the need for smarter species selection and real-time monitoring.

Meanwhile, *“The European law that aims to bring nature back to our cities”* examines the EU’s 2024 Nature Restoration Law, which sets binding targets to expand and improve urban green spaces, emphasizing not just more trees, but better-planned, biodiverse, and climate-resilient urban ecosystems aligned with long-term sustainability goals.

[CLICK TO READ MORE](#)

Field work in Soria (Spain)

The TREESURE team is carrying out an urban tree inventory in several green areas of the city, including Parque de La Dehesa (Alameda de Cervantes).

Each tree is identified and measured by species, collecting data such as height, trunk and crown diameter, rooting environment, and overall health. This information will support a tree fall risk assessment and help feed the early-warning risk app being developed within TREESURE.

Urban data for safer, healthier cities.



Learn more:

TREASURE Event in Cecina: “Il Verde che Vogliamo” on Urban Tree Monitoring and Risk Management

[Read the article](#) →

Download communication materials: Press release, brochure, roll-up and more

[Click here](#) →

WHY IS IMPORTANT?

TREASURE 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



WHAT IS TREASURE

TREASURE 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. TREASURE 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.



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Funded by the European Union

TREASURE
DECISION SUPPORT TOOL FOR RISK
EVALUATION MANAGEMENT AND
AWARENESS OF TREE FAILURE DISASTERS
Smart tools for risk-informed
management of Europe's urban forests

PROJECT OBJECTIVES

- 1 - Enhance local preparedness** by improving communication and coordination among responders, the manager, citizens, and governments through an enhanced Decision Support System for strategic disaster response to falling trees.
- 2 - Deploy advanced technologies** by integrating smart sensors, IoT, and satellite data with machine learning and AI/ML systems to detect, assess, and predict tree health and provide alerts against natural hazards.
- 3 - Follow a comprehensive approach** to assess the state of trees and opportunities of interventions, from risk assessment to local risk and emergency plans.
- 4 - Enable real-time decision support** through coordination activities in various scenarios that involve practitioners and citizens. Targeted events will be organized.
- 5 - Foster engagement and sustainability** by involving citizens and stakeholders in project activities and applying the Cycle Sustainability Assessment for integrated urban management.

3 EUROPEAN COUNTRIES
11 PARTICIPANTS
3,48M€ IN EU FUNDING
3 YEARS OF DURATION

Get involved as a TREASURE stakeholder!

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Be sure to visit our website and subscribe to the newsletter so you never miss any future updates.

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