Why choose the 100KTREES Toolbox?

🌿 **Make data work for greener cities.**
Turn complex data into clear, evidence-based insights for smarter greening decisions.

🫶 **Engage your community.**
Bring citizens into the process, integrate local knowledge, share data, and grow a sense of ownership in urban forestry.

🌍 **Scale with your ambition.**
From city-wide planning to street-level action, the Toolbox adapts to your goals and your geography.

Discover how the 100KTREES Toolbox can support your city's greening strategy and sustainability goals.

Is your city interested in planting new trees?

Get in touch with us

WWW.100KTREES.EU

Co-funded by the European Union

The 100KTREEs project is co-funded by the European Union's Horizon Europe Programme under grant agreement No 101082551.

Helping European cities become greener

100KTREES provides a decision Toolbox for cities to improve air quality, cooling, human wellbeing and reduce climate risks by planting more trees.

Key Features

Built for urban decision-makers.
A clear, intuitive interface designed to simplify complex choices.

Powered by open data and science.
Access reliable datasets and validated methodologies for credible planning.

From knowledge to action.
Follow practical guidelines and best practices to design and manage thriving urban forests.

See the impact.
Interactive visualizations that show the real environmental benefits of your interventions.

100K Trees

A smart toolbox for greener cities

WWW.100KTREES.EU

Core Services

- ✓ **LAND USE, LAND COVER AND URBAN TREE MAPS**: Visualizes existing green areas and identifies potential new planting zones.
- ✓ **BARE SOIL IDENTIFICATION:** Detects low-vegetation areas suitable for environmental enhancement.
- ✓ **URBAN TREE INVENTORY (HEIGHT & CROWN DIAMETER):** Enables monitoring of tree health, growth, and maintenance.
- ✓ **TREE GROWTH MODEL:** Predicts how trees will develop under different species, climates, and urban conditions.
- ✓ **HOTSPOT IDENTIFICATION FOR AIR QUALITY, TEMPERATURE AND NOISE:** Prioritizes planting areas where trees can deliver the greatest environmental benefits.
- ✓ **ASSESSMENT OF ENVIRONMENTAL BENEFITS PER TREE:** Quantifies carbon capture, noise reduction, and other ecosystem services.
- ✓ **CITIZEN SCIENCE DATA:** Integration of community data, providing up-to-date and localized insights on trees condition and health.
- ✓ **URBAN GREENING SCENARIOS:** Test and compare scenarios that illustrate the impact of trees in the urban landscape.

Augmented and Custom Services

- ✓ **ECOSYSTEM SERVICES FOR SMALL AREAS:** Detailed analyses at neighbourhood or even street level.
- ✓ **CHANGE DETECTION:** Track vegetation evolution, identifying losses or gains over time.
- ✓ **IDENTIFY NEW PLANTING AREA:** Identifies and prioritises sites within the city that are most suitable for planting new trees.
- ✓ **"3-30-300" RULE ASSESSMENT:** Measures how close a city is to achieving recognized green urban standards.
- ✓ **CUSTOM ANALYTICS:** Each city is different. Our custom analytics translate data into meaningful stories and solutions for better urban planning.