



**A decision toolbox for cities to improve air quality,
biodiversity, human wellbeing and reduce climate risks by
planting more trees in our cities**

Foreword

As we step into 2025, we are proud to reflect on the remarkable progress made in the second half of 2024 within the 100KTREES project.

One of the key milestones has been the progress in monetary evaluation of ecosystem services and the development of tree benefits simulation tools, a crucial steps toward equipping cities with data-driven solutions for urban greening. For testing these advancements, we also engaged with stakeholders in Sofia and Copenhagen during two workshops, where the alpha version of the 100KTREES toolbox was presented.

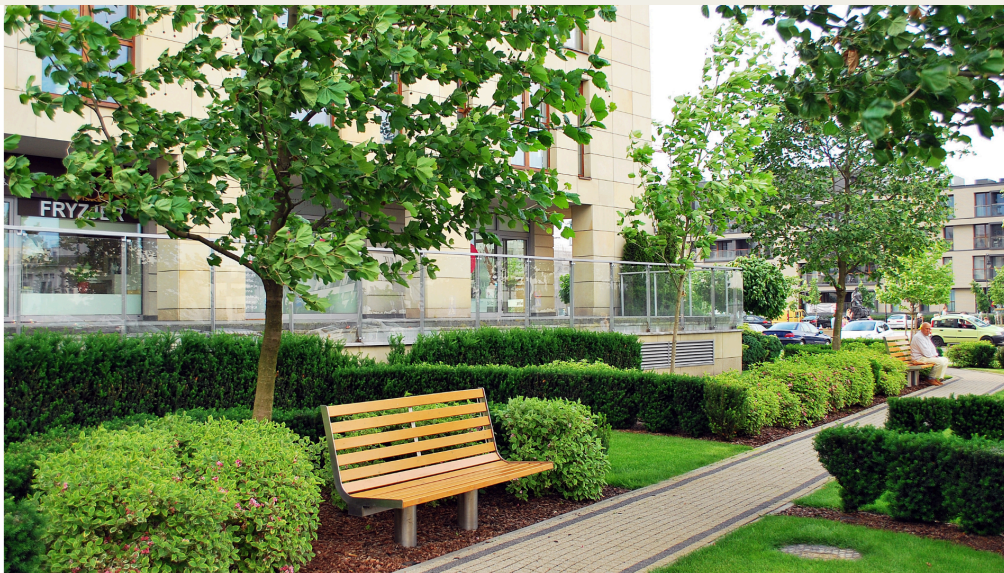
Another highlight of the year was the Genova event in November, which brought together project partners and local stakeholders for a networking workshop with the City of Genova and our 24-month progress meeting. These exchanges not only reinforced our collaborative spirit but also provided valuable insights for the next phases of the project.

Looking ahead, we are excited to continue knowledge-sharing within our broader research community. In this spirit, we are pleased to announce the upcoming COSPACE project cluster webinars, scheduled for March and April 2025. These sessions will provide an excellent opportunity to discuss synergies, exchange experiences, and further our collective impact on urban resilience and sustainability.

Enjoy reading,
The 100kTrees Team

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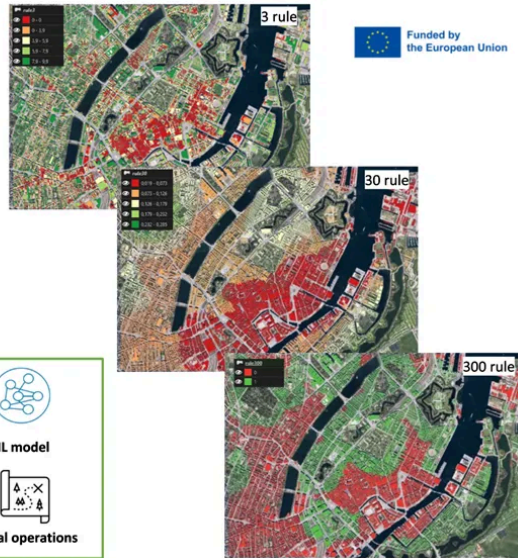


Second Stakeholder Workshop on Urban Greening: Insights from Copenhagen

On September 16th, a Stakeholder Workshop was held in Copenhagen, hosted by KAB (Københavns Andelsboligforening), the city's largest social housing institution. The event was designed as a one-and-a-half-hour breakfast meeting to attract participation from municipal representatives and other key stakeholders.

[Read the article](#)

Mapping the 3-30-300 rule



The Second Stakeholder Workshop in Sofia: Advancing the 100KTREES Project

On 30 September 2024, the second stakeholder workshop of the 100KTREES project took place at SofiaLab. Organized by the Sofia Development Association (SDA) team, in collaboration with the One Tree Foundation (OTF), the event gathered key experts and municipal representatives to discuss the progress of the initiative and to refine its tools to better serve the needs of Sofia's green infrastructure management.

[Read the article](#)



The 100KTREEs approach for assessing the monetary and non-monetary value of key tree planting ecosystem services

At the core of the 100KTREEs business models is the valuation of the trees in different planting and maintenance scenarios in the target cities. The business case will be positive when the distribution of costs and benefits is perceived as positive over a defined timeframe and geographic area. In other words, from a value perspective, the benefits of decreasing e.g. flood and heat risk, but also improvement in access to green space and mental health in the city should outweigh the costs associated with it (e.g. using the land, planting and maintaining the tree).

[Read the article](#)



Looking Behind the Canopy: How Trees Help Cool Cities

Climate change has intensified the frequency and severity of heatwaves in urban areas. In response, strategies such as urban forestry have been widely proposed to counteract the urban heat island (UHI) effect. However, the effectiveness of green infrastructure in cooling cities depends on factors like tree location, spatial arrangement, and species type. A recent study from 100KTREES explores these dynamics through a high-resolution model that evaluates how trees influence temperature variations in the Frederiksberg area of Copenhagen, Denmark.

[Read the article](#)



Enhancing Urban Greenery with the 100KTREES Project

On November 19th, GISIG and the City of Genoa hosted a networking workshop with European partners from the 100KTREES project, aimed at investigating possibilities for collaboration and application of 100KTREES tools in the implementation of the Genoa Green Plan. Attended by 36 technical experts from diverse institutions — including the Municipality of Genoa, Aster, the University of Genoa — DICCA, iiSBE Italia R&D — the event highlighted key initiatives and opportunities to enhance urban green.

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Genoa - Blue District

100KTREEs Coordination Meeting in Genoa

On November 19–20, 2024, project partners of 100KTREEs gathered in Genoa, Italy, for a crucial coordination meeting to assess progress and discuss future strategies. Hosted at the Blue District in Genoa, the event featured a mix of networking sessions and technical discussions aimed at enhancing urban tree-planting initiatives across Europe.

[Read the article](#)



The 2025 webinars of the COSPACE Cluster

The **COSPACE Group**, formed by the European projects **MAGDA**, **RESPONDENT**, **SWIFTT**, **100KTREES** and **BUILDSPACE**, was created in the framework of the **European Commission's Horizon Results Booster (HRB) programme**, which helps European projects to get a step further and better implement their Dissemination and Exploitation (D&E) actions.

The **Project Group** was determined on the basis of the commonalities between their work. The main objectives of these projects are to **develop cutting-edge tools and technologies** through geospatial observation or remote sensing technologies, and to **address climate change** by developing innovative technologies for mitigation, adaptation and resilience, and **promote high-impact environmental changes**.

A series of **two webinars** is going to be organized in **March and April** to provide the COSPACE stakeholders with an overview of the main achievements by the projects and raise awareness on how space data can be profitably exploited into applications and tools for environmental management and climate change adaptation and mitigation.

The second webinar of the series (date to be defined) will be jointly organized by BUILDSPACE and 100KTREES and will serve as a platform for knowledge exchange, fostering collaboration, while providing stakeholders insights and practical tools to drive sustainable urban transformation. The challenges addressed and the social impact, as well as the results achieved so far, will be showcased to highlight the great potential of these two projects. The event will be an opportunity to explore how Horizon EU projects support climate adaptation and resilience and create a debate on sustainable buildings and green cities.

More info at www.100ktrees.eu

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