

Systemic Integration of Transformative Technical and Nature-based Solutions to Improve Climate Neutrality of European Cities and Regions and tackle Climate Change: the URBreath Approach

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URBREATH Reaches Key Milestone in Helping Cities Go Greener and More Climate-Resilient

The URBREATH Horizon Project is proud to announce significant accomplishments in its second year, laying a strong foundation for the implementation of Nature-Based Solutions (NBS) across European cities. By combining community participation, Local Digital Twins, and AI technologies, URBREATH brings together technical innovation and nature-based approaches to improve urban sustainability, strengthen citizen engagement, and better integrate nature into city planning.

Over the course of the project, URBREATH has reached an important milestone, delivering a wide range of practical, city-focused results that support climate adaptation, improve urban environments, and enhance people's well-being.

A key focus of URBREATH has been turning research into tools cities can actually use. The project has developed an integrated set of methods, digital tools, and decision-support solutions that enable local authorities to plan, test, and scale Nature-Based Solutions—such as urban greening and hybrid interventions—based on real data and local needs.

What URBREATH has achieved during its second year

URBREATH's work has led to:

- **Clear and practical frameworks** for setting up urban Living Labs and designing nature-based and hybrid solutions.
- **AI-based models** that help cities understand climate risks, forecast weather impacts, and assess social and economic well-being.
- **Local Digital Twins and key** indicators that support informed, data-driven urban decisions.

- **Modelling and monitoring tools** to track the performance and benefits of Nature-Based Solutions over time.
- **Participatory tools** that actively involve citizens, communities, and local stakeholders.
- **Integrated digital solutions** to support planning, implementation, and evaluation of urban greening actions.
- **City-specific analyses and decision frameworks** tailored to local contexts and pilot areas.
- **Investment and procurement** guidance to help cities finance and deliver Nature-Based Solutions more effectively.
- **Training and capacity-building**, including the European Nature-Based Solutions Manager Certificates.
- **Communication, exploitation, and business planning outcomes** to ensure long-term use beyond the project.

Making a real difference for cities and citizens

By bringing together nature, technology, and people, URBREATH helps cities move from ideas to action. Its results support greener neighborhoods, healthier living conditions, stronger climate resilience, and better decision-making at local level.

Looking ahead

With these foundations now in place, URBREATH is ready to focus on real-world application and long-term impact, supporting cities in building more livable, resilient, and sustainable urban environments.

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