

PROJECT

UNaLab - Urban Nature Labs

The UNaLab project is contributing to the development of smarter, more inclusive, more resilient and more sustainable urban communities through the implementation of nature-based solutions (NBS) co-created with and for local stakeholders and citizens. The UNaLab consortium is comprised of 29 partners from 12 different European countries (FI, DE, NL, IT, PT, BE, SE, NO, TR, CZ, ES, and FR) and two non-EU countries (AR and CN). The consortium partners represent key stakeholders within the value chain of urban challenges and smart, sustainable cities - public bodies, research institutions, large industries, and SMEs. Each of the UNaLab project's three Front-Runner Cities - Eindhoven (NL), Genova (IT) and Tampere (FI) - has a strong commitment to smart, citizen-driven solutions for sustainable urban development. UNaLab Front-Runner Cities have worked with local stakeholders to co-create and co-implement a range of different NBS. The establishment of Urban Living Lab (ULL) innovation spaces in Eindhoven, Genova and Tampere supports the on-going co-creation, demonstration, experimentation and evaluation of a range of different NBS targeting climate change mitigation and adaptation along with the sustainable management of water resources. UNaLab's seven Follower Cities - Stavanger, Prague, Castellón, Cannes, Başakşehir, Hong Kong and Buenos Aires - have worked with local stakeholders to co-create future visions and integrated NBS roadmaps, including individual portfolios of desired NBS projects for the short- and long-term. The UNaLab Front-Runner and Follower Cities actively engage in knowledge sharing and capacity-building regarding the use of NBS to enhance urban climate and water resilience within the network of UNaLab partner cities. Collaborative knowledge production among this wide network of cities enables UNaLab project results to reflect diverse urban socio-economic realities, along with differences in the size and density of urban populations, local ecosystem characteristics and climate conditions. Evidence of NBS effectiveness to combat the negative impacts of climate change and urbanisation is being captured through a comprehensive monitoring and impact assessment framework. Further replication and up-scaling of NBS is supported by the development of an ULL model and associated tools tailored to the co-creation of NBS to address climate- and water-related challenges, a range of applicable business and financing models, as well as governance-related structures and processes to support NBS uptake. These outputs are captured in an online replication Framework. UNaLab project outcomes will contribute to a robust European evidence base and go-to-market environment for innovative, replicable, and locally-attuned NBS. After running for approximately 4 years, the project has

produced a number of ready to use replication materials to support the implementation of NBS to address climate and water related issues in cities. The project's main outputs to date include: o UNaLab NBS Booklet, gathering experiences, key learnings and best practices on how to plan, develop and implement NBS in urban settings. o UNaLab Technical Handbook on NBS. o Living Lab Handbook and Inspiration Cards to support establishing Urban Living Labs for the co-creation, co-implementation and co-monitoring of NBS. o Municipal Governance guidelines for Nature-based Solutions. Contact: Laura Wendling <https://www.ecca21.eu/participants/301> Official website of the project: <https://unalab.eu/en>

Applies to

Database, Financing, Local level, Communication, ICT solutions, Urban planning, Infrastructures, Climate science, Citizen science, Water management, Citizen engagement, Public authorities, Knowledge transfer, Adaptation strategy, Technology transfer, Platforms, websites, Extreme weather events, Simulation, gamification, Demonstration activities, Climate change adaptation, Environmental observation, International cooperation, Networking and cooperation, Pollution and waste management, Social sciences and humanities, Disaster risk management and reduction, Decision support tools, decision-making, Exchange of knowledge and good practices, Business development and commercialisation, Biodiversity, ecosystem restoration, ecosystem services, Assessment of climate change impacts (physical, economic, social...)



ECCA 2021 - Climate Adaptation solutions - UnaLab

Video <https://youtu.be/n0xohToKBlw>

