



URSOiLL

Innovative solutions for sustainable urban soil restoration through Living Labs

URSOiLL focuses on restoring urban soils as a basis for resilient and sustainable cities.

The project aims to boost stakeholder participation, connect research with practice, improve soil health monitoring, and enable replication across Europe.

The project aims to



Improve soil health

Through innovative solutions and co-creation with stakeholders



Boost participation and collaboration

Among local actors



Connect research with practice

Linking soil scientists and practitioners



Enable replication

of solutions across Europe



Duration: 4,5 Years



Budget: 12 Mio



Consortium: 34 Partners



Programme: HORIZON Europe



Living Labs

Five Living Labs in Sweden, Spain, Italy, Greece and Luxembourg will co-create and test nature-based, technological, and socio-economic solutions.

URSOiLL pioneers best practices in urban soil restoration, advancing EU Green Deal goals and the vision of 100 Soil Living Labs & Lighthouses by 2030.



LL Sweden

Climate: Boreal



LL Spain

Climate: Atlantic



LL Italy

Climate: Alpine



LL Greece

Climate: Mediterranean



LL Luxembourg

Climate: Continental



Objectives



Living Labs

Establish 5 LLs across Europe as hubs for co-creation, testing, and implementation of urban soil restoration solutions



Improve soil health

Improve soil health and enhance ecosystem services through innovative technologies and nature-based solutions (NBSs)



Multi-actor, interdisciplinary approach

Adopt a multi-actor, interdisciplinary approach, engaging communities, researchers, and policymakers



Quality Management

Ensure solutions are scientifically sound, socially accepted, and economically viable



Knowledge exchange

Promote knowledge exchange and replication of best practices across European cities














Contribute to climate-resilient Urban Environment

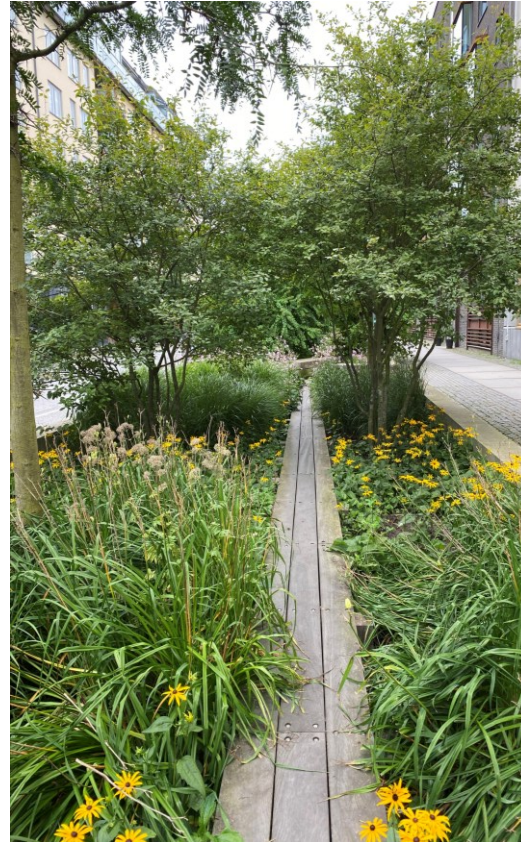
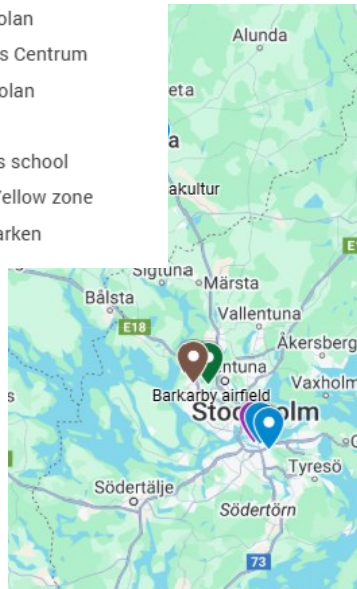
Contribute to climate-resilient, sustainable, and liveable urban environments

Partners



Swedish Urban Soil LL

-  Barkarby airfield
-  Ulls väg uppsala
-  Ekebydalens Pulkabacke
-  Ultuna Permakultur
-  Eriksdalsskolan
-  Jakobsbergs Centrum
-  Tullgårdsskolan
-  Fryslund
-  Björkhagens school
-  Green and Yellow zone
-  Kunskapsparken



Soil health challenges

Pollution, soil sealing, soil compaction, and nutrient-poor and hydrophobic soil

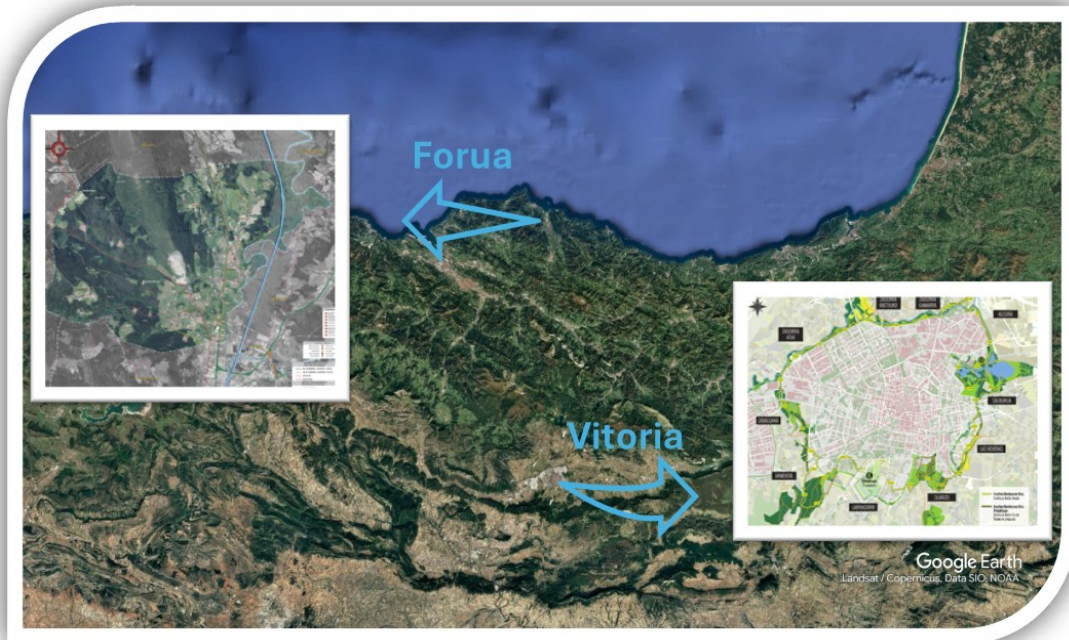
Key stakeholders

Research and academia: RISE, Swedish University of Agricultural Sciences (SLU), Environmental Protection Agency (EPA), Urban farmers, Stockholm and Uppsala municipalities

Test sites

11 sites around **Stockholm and Uppsala**, 5 soil pollution remediation, 5 soil compaction solutions, and 1 soil fertility

Spanish Urban Soil LL



Soil health challenges

Soil sealing, soil biodiversity, and soil contamination

Key stakeholders

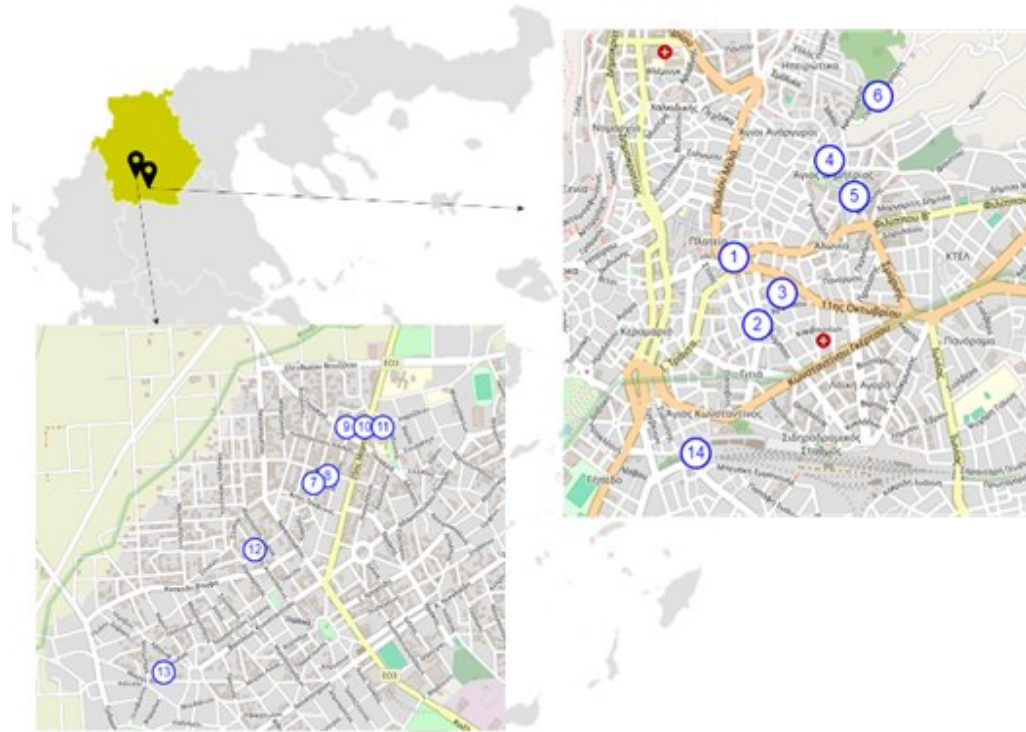
Academia & RI: UPV/EHU, San Fidel School, Neiker.
 Local government representatives: Ayuntamiento Vitoria-Gasteiz, Forua Municipality, Board of Urdaibai.
 Civil society organisations: Hazien Sarea, URA.
 Industry and SMEs: ESK, Innovatek BI, Viveros Eskalmendi

Test sites

10 sites around **Forua** and **Vitoria**

Arkatxa	Landaberde area
Lermanda	Oinaberri
Urban schoolyards	Abadetxea
Citizen science soil	Karabi
Renteria urban corridor	Kulturetxea Forua

Greek Urban Soil LL



Soil health challenges

Soil degradation and urban sealing, Industrial pollution and contamination, Low organic matter and poor fertility, Soil compaction limiting growth and infiltration, Biodiversity loss and lack of green spaces

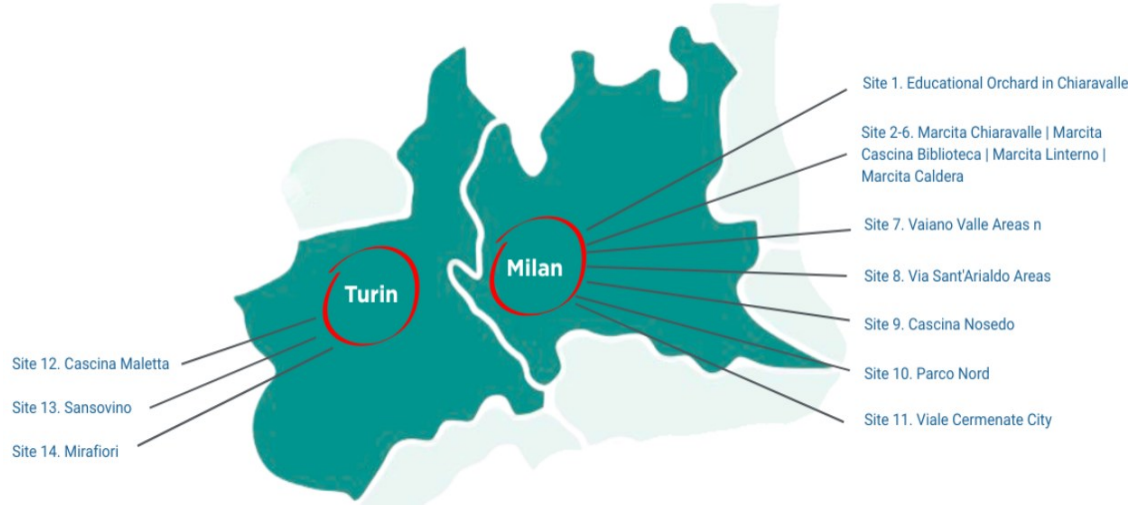
Key stakeholders

University of Western Macedonia, Unified Special Vocational School, CluBE, farmers (vineyard, corn/sunflower), Region of Western Macedonia, Municipalities of Kozani and Eordaia, DIADYMA S.A Chliapas SA (timber), Patsilias (agronomy, nurseries), ELPIS

Test sites

14 sites around **Kozani** and **Ptolemaida**

Italian Urban Soil LL



Soil health challenges

Piemonte and Lombardia face severe **soil sealing** and **contamination issues** and the need for effective green area management. Main Challenges are: Soil restoration and water treatment, Soil literacy, Reactivation of cultivation, Reduce contamination, Soil sealing

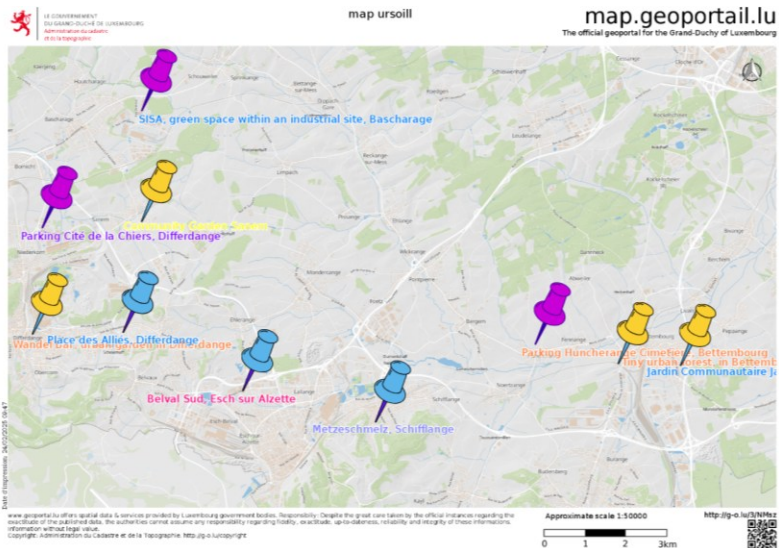
Key stakeholders

Municipalities and Regional Authorities, farmers and companies working on urban soil sultivations and solutions; schools; citizens associations and students; NGOs and environmental organizations

Test sites

14 sites around **Comune di Milano** and **Comune di Torino**

Luxembourg Urban Soil LL



Parking Sealing

Community gardens/ green spaces
Soil Improvement/ Soil Literacy

Industrial/urban sites
Soil Health / Pollution control



Soil health challenges

Soil sealing, soil pollution and soil literacy

Key stakeholders

Public administration
Municipalities
Citizens
Land owners

Test sites

10 sites around **Differdange**

Thank you!

Any Questions?

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