

Urban ReLeaf



Measuring and assessing urban green infrastructure with citizens: stories from Urban ReLeaf cities

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Innovating together for just and green urban transitions



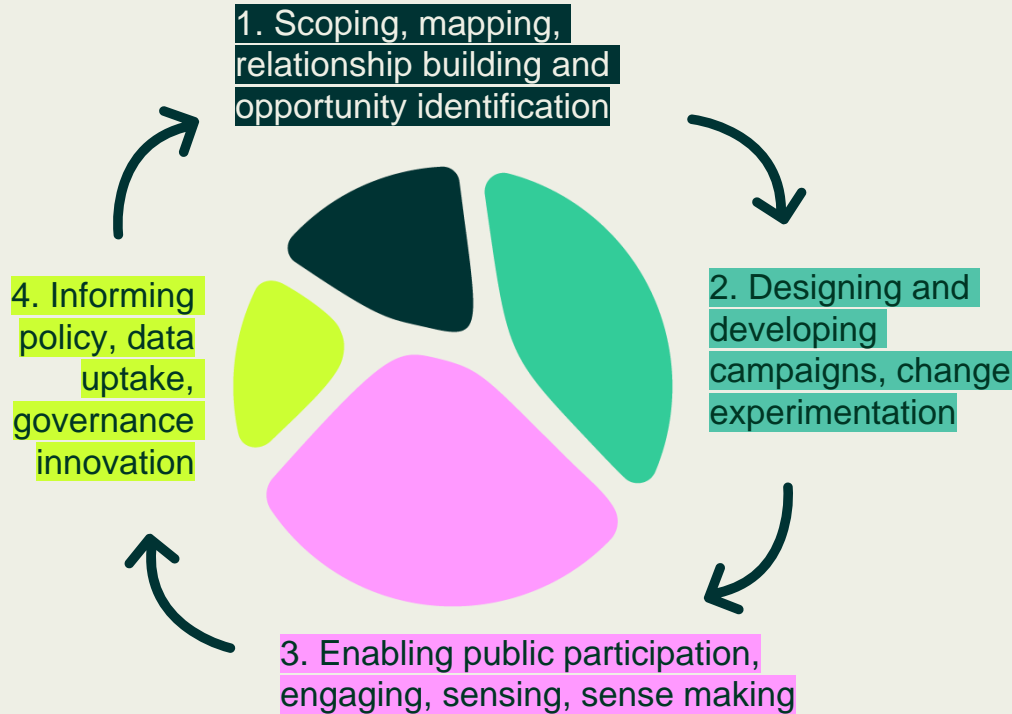
Increasing environmental stresses in urban areas.

Accentuated inequalities in access to greenspace, ecosystem services and health-related benefits.

Important data gaps to support policy for just and sustainable cities.

Public participation developing slowly and variably.

Action-based process framework



City authorities are partners

Joint development of **citizen observation campaigns**

Collection and uptake of citizen observations in **authoritative information systems** for urban greenspace policy and planning.

2024 topics and technologies

Utrecht,
Netherlands



Athens,
Greece



Riga,
Latvia



Dundee,
Scotland



Cascais,
Portugal



Mannheim,
Germany



Themes



Greenspace
Perception



Air
Quality



Urban
Trees



Heat
Stress

Technologies



Wearable
Sensors



Mobile
Applications



Air Quality
Monitors PM2.5

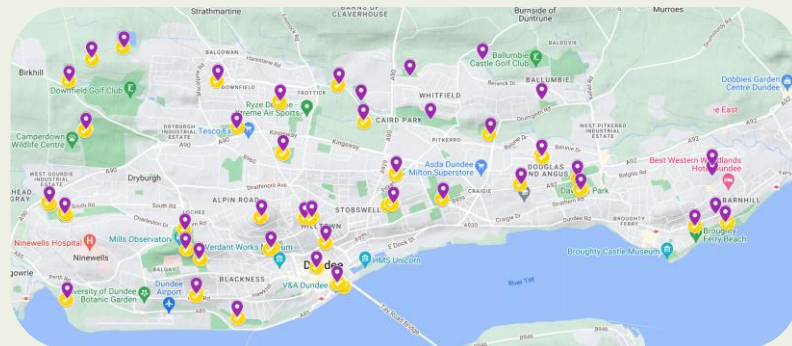
Greenspace perception: Cascais

- Understanding how greenspaces and NbS contribute to mitigating the perceived effects of heat stress.
- Validate the effectiveness and perceived benefits of the city's greenspaces and NbS
- **~1100 citizen responses** so far
- Direct input to greenspace planning department
- **Policies** that will make direct use of project data
 - Green Spaces and Tree Protection Regulation
 - Good Practice Manual "Renatura"



Greenspace perception: Dundee

- Increase understanding of local greenspaces and help residents discover and connect.
- Assess quality aspects: access, safety, biodiversity, and recreational opportunities.
- **620 citizen responses** so far
- **Policies** that will make direct use of citizen data
 - Open Space Strategy
 - Biodiversity Action Plan
 - Local Development Plan
 - Net-Zero Transition Plan (resilience section)



What people don't like



What people like



Tree registry: Mannheim and Athens

Mannheim

- Complement **existing tree registry** and **close data gaps** with citizen observations.
 - Stem circumference
 - Size of planting area
- Help respective city department to streamline tree management processes and assess future tree planting locations.

Athens

- **Kick-start** official tree registry with help of citizens.





Work in progress

Just finished first campaign season, currently planning 2025

Other topics

- Heat stress and temperature monitoring in Utrecht
- AQ in Riga



Understand the potential of **citizen science** and **citizen participation** for **urban greenspace** and **NbS/ES planning and policy** in the context of urban climate change adaptation.



Project Partners



Illustrations and Urban ReLeaf brand design by Agency of None



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