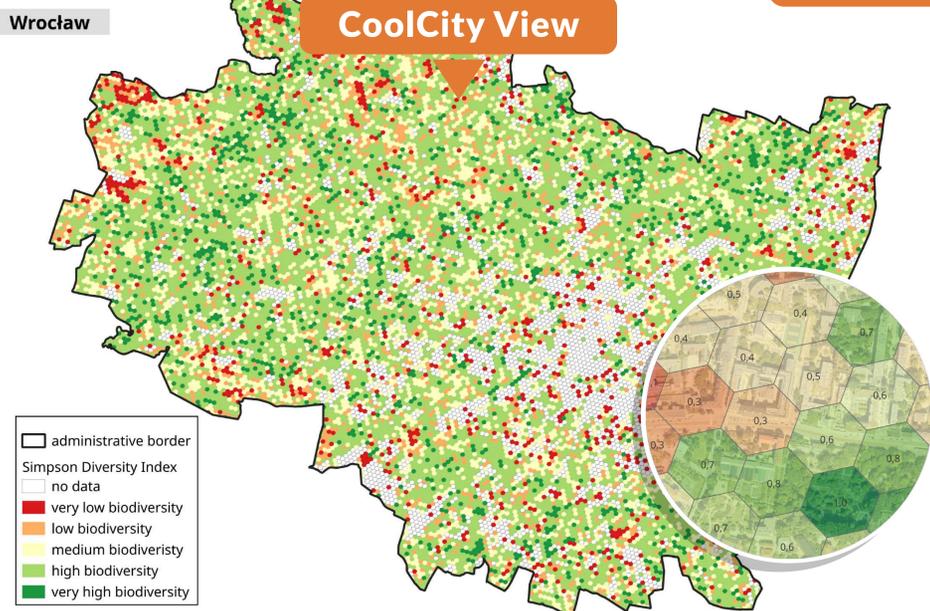


LIFECOOLCITY: TWO SPATIAL SCOPES ONE GOAL - increasing city adaptation to climate change for 10,000 cities

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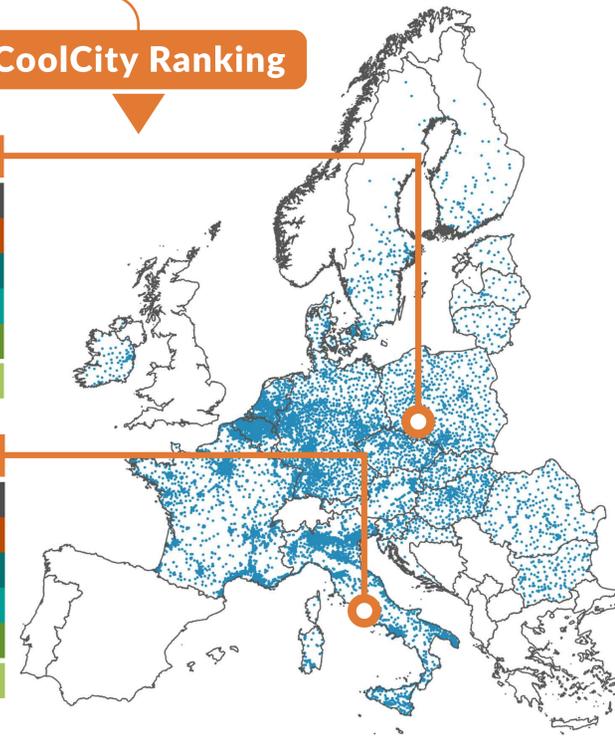
SATELLITE SCOPE



CoolCity Ranking

WROCLAW	INDEX
Sealing	8.5
Surface Temperature	6.7
Biodiversity	9.9
Blue Infrastructure	8.1
Green Infrastructure	4.6
CoolCity Index	7.6

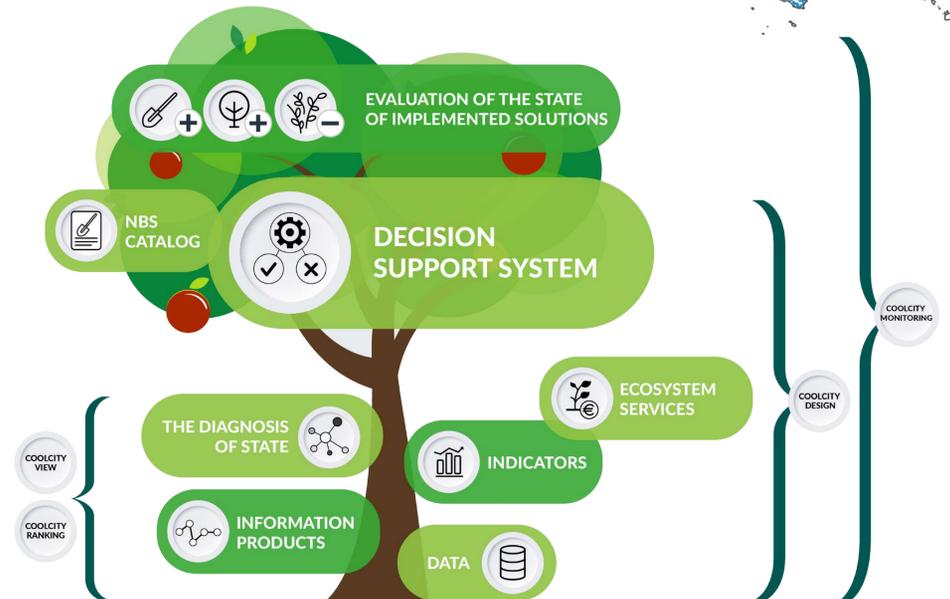
ROME	INDEX
Sealing	7.6
Surface Temperature	7.5
Biodiversity	9.2
Blue Infrastructure	7.0
Green Infrastructure	3.4
CoolCity Index	6.9



FACTORS BUILDING ADAPTIVE POTENTIAL OF CITIES:



TECHNOLOGIES



AERIAL SCOPE

CoolCity Design

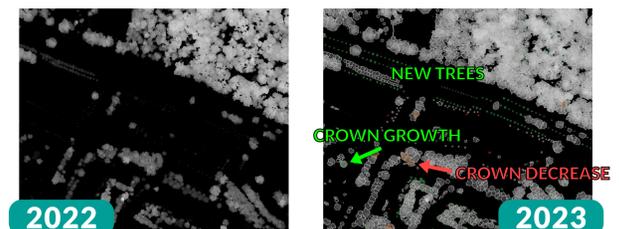
- Tall Trees Ratio - 73%**
Recommendation: Protect large trees
- Low Vegetation Quality - 60%**
Recommendation: Decrease mowing
- TREE CANOPY COVER**
- TREE VOLUME**
- TREE CONDITION**
- TREE CLOSURE**
- LOW VEGETATION COVER**
- LOW VEGETATION QUALITY**
- VEGETATION CONNECTIVITY**



Vegetation Quality - 92%
Recommendation: Protect by law

CoolCity Monitoring

CANOPY HEIGHT MODEL



580,000 trees grown = 2.3 mln m³ volume more

20,000 trees worsen = 80,000 m³ volume less

The LIFECOOLCITY project, titled "Use of remote sensing for management of blue-green infrastructure in the process of city adaptation to climate change", is being implemented under the LIFE program: LIFE-2023-SAP-CLIMA-CCA - Climate Change Adaptation, no. 101074553. The project is 95% funded by the LIFE program and the National Fund for Environmental Protection and Water Management, with the remaining 5% contributed by the Consortium. The project activities are planned for the years 2023–2029.