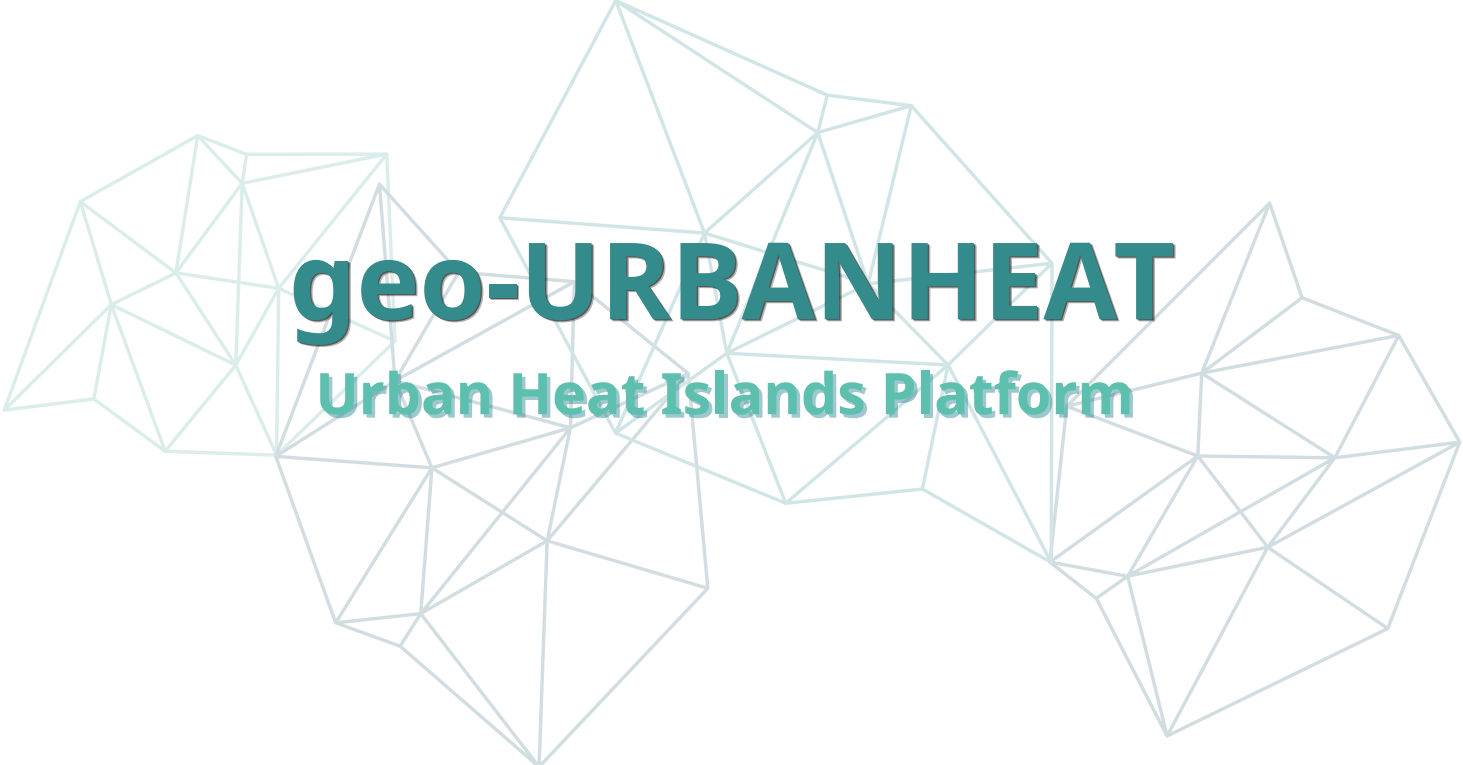




geo-URBANHEAT

Urban Heat Islands Platform





A small icon of a lightbulb with a small 'i' inside, representing an idea or intelligence.

URBAN HEAT INTELLIGENCE.

geo-URBANHEAT turns urban heat data into clear, actionable maps. It helps cities identify heat-risk hotspots and compare cooling solutions, including green and blue infrastructure and policy measures.



Cities are able to:

- Map urban heat risk
- Identify priority hotspots at neighborhood/block level
- Compare baseline and mitigation scenarios with measurable indicators

WHO CAN USE geo-URBANHEAT?

- **Municipalities:** hotspot prioritization, cooling actions, heat resilience planning
- **Real estate:** heat-risk screening for retrofits and investments
- **Infrastructure operators:** heat-risk assessment for transport, energy, and public assets
- **Public health agencies:** identification of heat-vulnerable areas
- **Utilities & energy providers:** forecasting heat-driven demand and cooling options
- **Researchers & consultants:** high-resolution heat data and scenario analysis

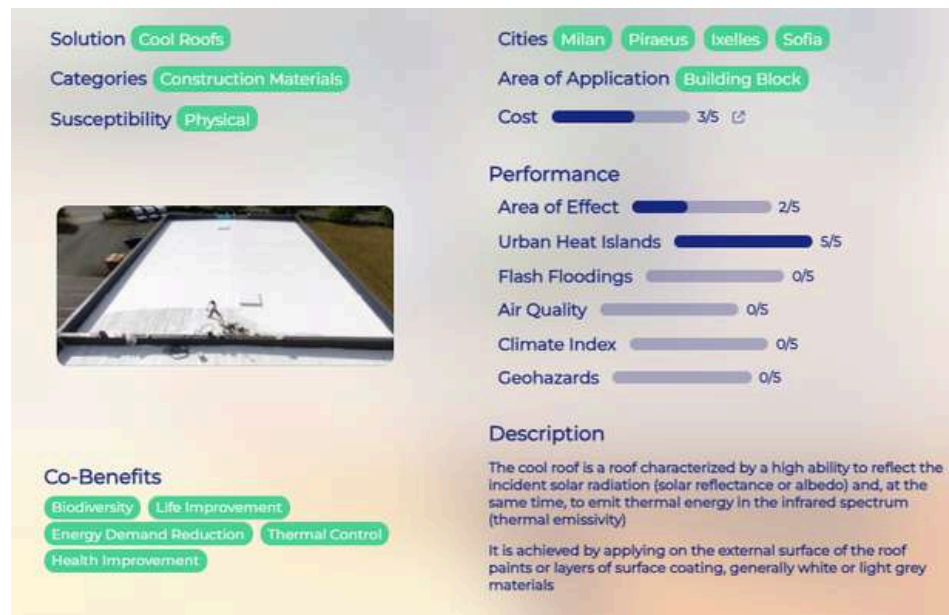
COMPARE BEFORE & AFTER

- Scenario Comparison Statistics Tools allow users to compare two urban scenarios through a split-screen map layer and summary charts that quantify the risks of the selected solutions.
- Demonstration of the unique scenario comparison tool, showcasing a split-screen map + dynamic charts for measurable urban heat scenario assessment.
- **Target users:** municipalities, planners, stakeholders

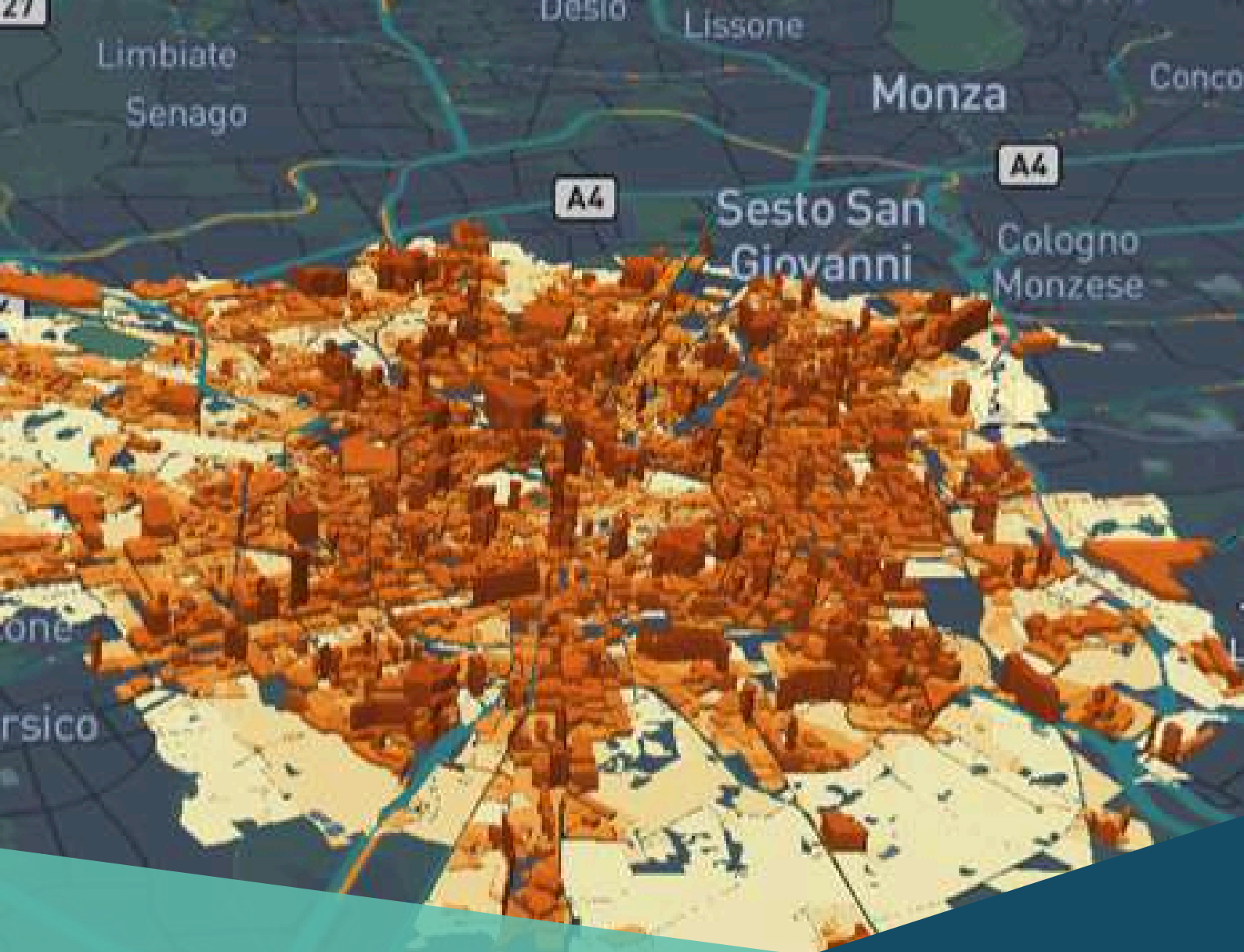


FROM RISK TO URBAN SOLUTIONS

geo-URBANHEAT supports urban planning by linking heat-risk analysis with available planning solutions and their effect on the UHI Index.



Capability	Desktop GIS	Commercial City Planning Apps	geo-URBANHEAT
Integration of EO data & census information	Yes	Part	Yes
Spatial resolution (building block level)	Yes	Part	Yes
Multi-parameter heat-risk assessment	Part	Part	Yes
Urban risk mitigation scenarios	Part	Yes	Yes
Actionable recommendations	No	Part	Yes
Decision-support for smart policy-making	No	Part	Yes
Baseline vs mitigation comparison	No	Part	Yes
Scalable city coverage (adaptable to other cities)	No	Yes	Yes



DISCOVER geo-URBANHEAT
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