BUILDSPACE

SERVICE 4

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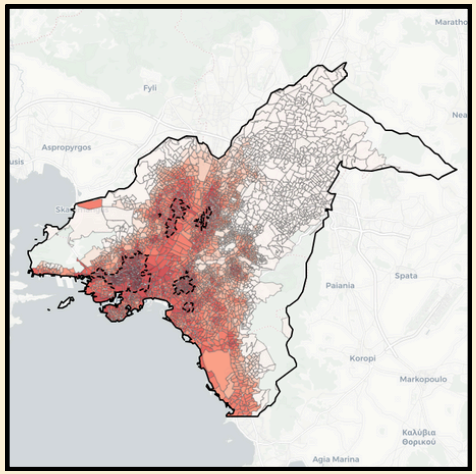
URBAN HEAT ANALYSIS AND RESILIENCE

Pilot site: Piraeus, Greece

Key Challenges

- Identify urban heat risk areas
- Link urban & building scale heat impacts
- Support mitigation & adaptation planning
- Integrate climate, socioeconomic & demographic data

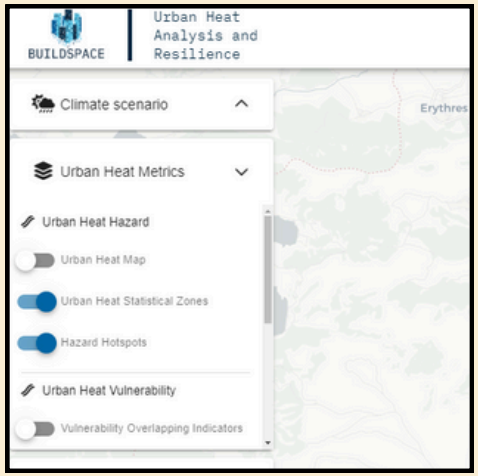


Main features

- Urban Heat Risk maps (vulnerability, exposure, hazard)
- Cooling/heating demand maps (now & future)
- Decision support maps & downloadable data
- Climate data time series for detailed analysis

Use & Applicability

- Supports targeted cooling strategies
- Informs urban planning & policy design
- Aids in prioritizing adaptation measures
- Provides data for project planning & awareness



Social impact

- Identifies vulnerable communities
- Enables climate adaptation & resilience
- Raises awareness on urban heat risks
- Encourages community action & bottom-up initiatives

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