

Urban Heat Island Mitigation Tools & Resources

- **MIT Climate Portal** – Overview of urban heat islands, causes, and mitigation strategies ([Link](#)).
- **Georgia Tech Urban Climate Lab** – Research on micro-climate management and urban cooling strategies ([Link](#)).
- **UC Berkeley Urban Heat Island Studies** – Sustainable urban design & mitigation research ([Link](#)).
- **DOE Urban Heat Island Community Actions Database** – State and local heat mitigation initiatives ([Link](#)).
- **EPA Heat Island Effect Program** – Guidance on mitigation strategies including cool roofs and green infrastructure ([Link](#)).
- **NOAA Urban Heat Island Data Access Tool** – City-level heat mapping and climate data ([Link](#)).
- **NOAA Land Surface Temperature Datasets** – Climate and temperature datasets ([Link](#)).
- **Philadelphia Beat the Heat Program** – Community-driven heat mitigation strategies ([Link](#)).
- **Seattle Urban Heat Mapping Project** – Heat vulnerability study and green infrastructure expansion ([Link](#)).
- **Miami Cool Roof Program & Extreme Heat Action Plan** – Roofing standards for urban cooling ([Link](#)).
- **Whole Building Design Guide (WBDG)** – Design strategies for reducing heat absorption, including cool roofs and landscaping ([Link](#)).
- **Yale Center for Earth Observation Urban Heat Island Study** – Satellite-based heat island analysis ([Link](#)).
- **UHI-Detector Project (GitHub)** – AI-powered tool for detecting urban heat islands ([Link](#)).

USGBC LEED Criteria – Certification for heat island mitigation strategies.

- **Non-Roofs:** <https://www.usgbc.org/credits/core-shell-healthcare-new-construction-schools/v2009/ssc71?return=/credits/New%20Construction/v2009>
- **Roofing:** <https://www.usgbc.org/credits/core-shell-healthcare-new-construction-retail-schools/v2009/ssc72?return=/credits/New%20Construction/v2009>