

Measure and Analyze Heat in your City

Fixed station

Weather stations and lower-cost, individual temperature sensors can measure atmospheric conditions. Networks of fixed stations can be used to understand spatial temperature variation on a larger scale.

Mobile traverse

Ground-level temperature measurement conducted by bicycle, car, or a walking individual can capture spatial variation in temperature.

Satellite

Satellites capture images of the Earth's surface and measure its brightness, which can then be converted to temperature estimates.

Aerial sensor

Temperature data collected via aircraft-borne instruments can offer both a larger geographic coverage than fixed stations and a higher level of resolution than satellites, due to their lower altitude.



Once you've collected the data you can analyze and map your data to better target your policies and actions.

Identify stakeholders to engage throughout this process, including:

- Community members
- City government departments
- Universities
- Meteorological agencies

Map daytime and, where possible, nighttime temperatures. If possible, create maps with estimated air temperatures.

