

Sensitive Population to temperature anomaly Risk Index
Città Metropolitana di Milano

The Risk Index is calculated according to the formula:
 $IR = iM \cdot IV$
 iM is the threat index, calculated starting from the temperature values (LST), normalized with the maximum value detected in the reference area (CMM).
 IV is the Vulnerability Index, calculated starting from the density of the most sensitive resident population (adults over 70 and children under 10), in the ISTAT census sections, normalized with the highest value found in the reference area (CMM).
 Night-time Land Surface Temperature (LST) anomaly over the Urban Heat Island of Milan are extracted from AQUA night passes (between 01:00 and 03:00) during summer heatwaves from 2015 through 2018. AQUA LSTs at 1km per pixel have been downscaled at the nominal spatial resolution of 30m by using night-time LANDSAT-8 thermal maps.
 ISTAT data of the 2011 Census, published 11 January 2017
 Updated to the latest DBT release (2017).

Legend

Risk Index

- Very Low
- Low
- Medium
- High
- Very High

