



City Temperatures via SatEO

High spatial resolution temperature data at 12.5m x 12.5m every 15 minutes!

THE PROBLEM:

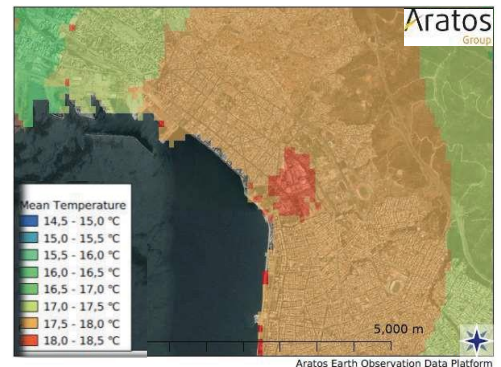
The lack of frequent and detailed temperature measurements in cities leads to the inability to design and implement effective green policies.

THE NEED:

The design and implementation of successful measures to fight the impact of surface urban heat island effect (SUHI) in the Cities, thus a need for accurate street-level temperatures for the Cities.

OUR SOLUTION:

A data processing product which provides near-real time information every 15 minutes as well as historical, high resolution, street-level, land surface temperature data obtained from satellites (Satellite Earth Observation data, SatEO data). It can be used for every city regardless of size or location (seaside or mountainous). It can be used in combination with other products (e.g. wind, cloud coverage, vegetation index) for Intelligence Analytics.



FEATURES:

- ➡ Detailed land surface temperature data
- ➡ High spatial resolution of 12.5m x 12.5m
- ➡ High temporal resolution of 15 minutes with different series for day & night
- ➡ Using AI Techniques.
- ➡ Mean value data calculated for the area of interest from historical datasets 11 years ago
- ➡ Data Products can be tailored to offer updates of areas of interest for any city, urban & rural area.

THE MARKET:

- ➡ **Public Sector:** State organizations, municipalities, states, civil services
- ➡ **Private Sector:** Big Industries, insurance companies, social responsibility

USE CASES

- ➡ City of Paris, France
- ➡ City of Milan, Italy