LATITUDO 40®

EARTH ANALYTICS FOR COGNITIVE PLACES

LATITUDO 40®
IN AN INCREASINGLY COMPLEX AND VOLATILE WORLD, BEING PREPARED FOR TOMORROW'S URBAN SUSTAINABILITY CHALLENGES REQUIRES A NEW WAY TO LOOK

WHY IS IT SO IMPORTANT TO TALK ABOUT THE RISKS IN URBAN AREAS?

LATITUDO 40®
OUR CITIES ARE ON THE FRONTLINE OF CLIMATE CHANGE.
HOW CAN WE DESIGN THEM TO BE MORE RESILIENT AND SUSTAINABLE?

INSURANCE COMPANIES NEED DATA

ENHANCING RISK ASSESSMENT

STREAMLINING CLAIMS PROCESSING

DETECTING FRAUD WITH PRECISION

ENVIRONMENTAL INSIGHTS

To overcome these challenges, data must be global, detailed, up-to-date, accessible, and reliable.

Only in this case can they provide a real contribution to an ambitious vision oriented towards sustainability.

OUR VISION

The first fully automated Environmental Operative System to design cognitive cities/places of the future

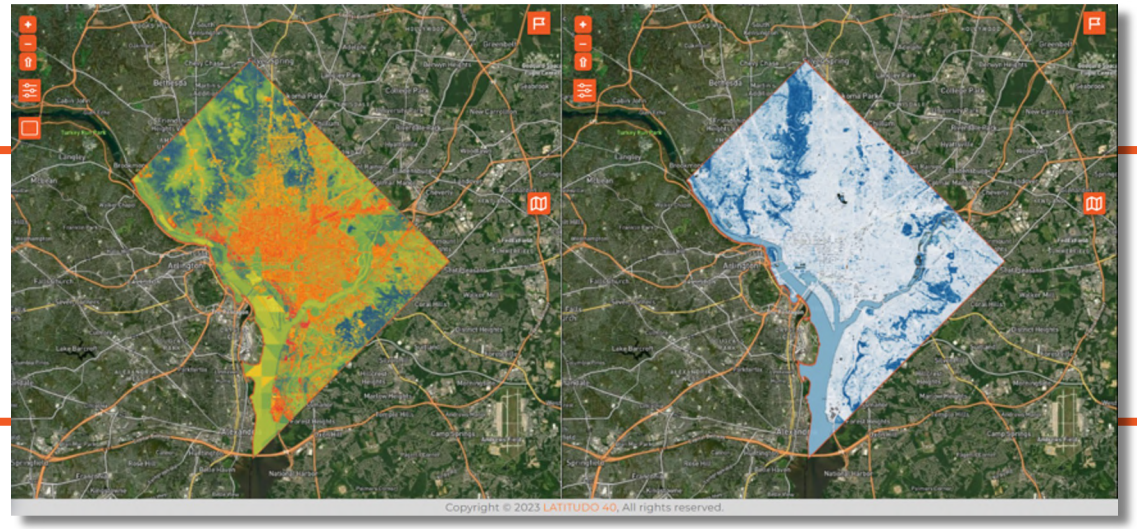
DATA FROM SPACE
(REMOTE SENSING)

LATITUDO 40 ARTIFICIAL INTELLIGENCE

EARTH ACTIONABLE INSIGHTS & SIMULATIONS

Designed to ensure that decision-makers can grasp and act quickly on our insights.

LATITUDO 40®
BY IDENTIFYING HIGH-RISK AREAS, INSURERS CAN DEVELOP TARGETED MITIGATION STRATEGIES, TRANSFORMING VULNERABLE ASSETS INTO RESILIENT INVESTMENTS.



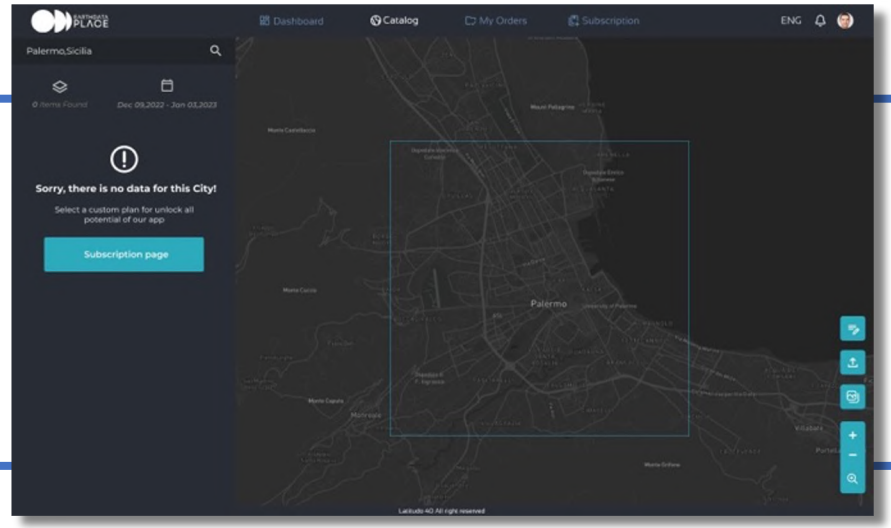
LATITUDO40

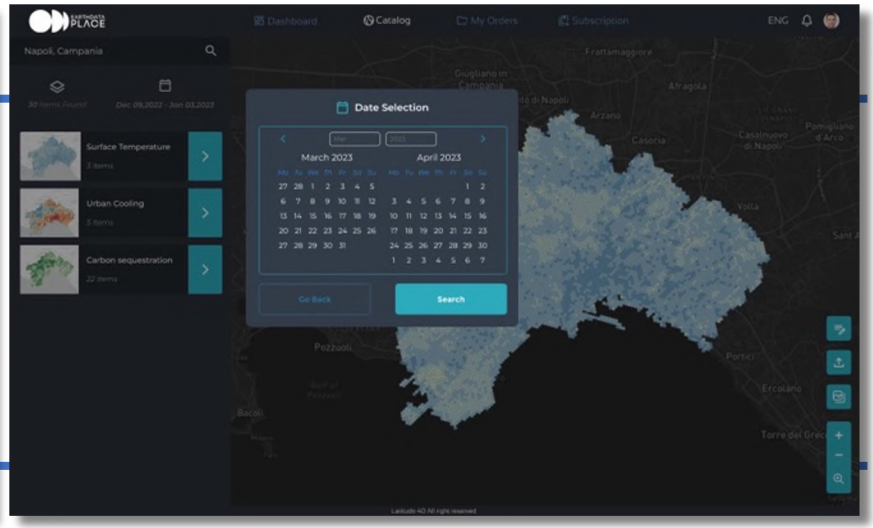
UrbAlytics

SaaS platform to understand and analyze places

EARTHDATAPLACE
POWERED BY LATITUDO40

Dataset digital Marketplace





THE POWER OF OUR SUPER RESOLUTION

sentinel-2

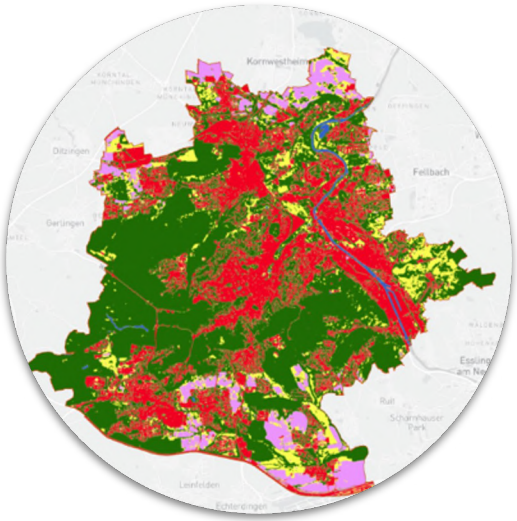
AI Algorithm to bring Copernicus Sentinel 2 **spatial resolution from 10 m to 1 m.**

Save over 300% on the cost for high-resolution images

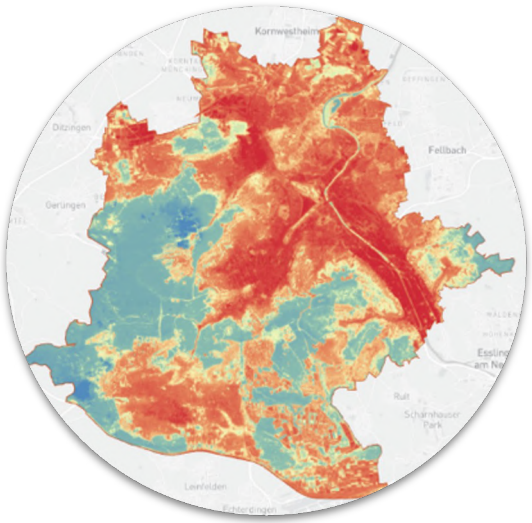
THE POWER OF LAYERS

LATITUDO 40®

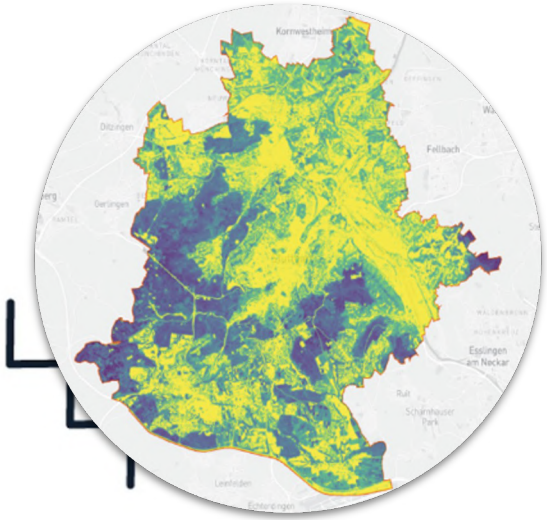
LAND USE



LAND SURFACE TEMP



TREE MAPPING



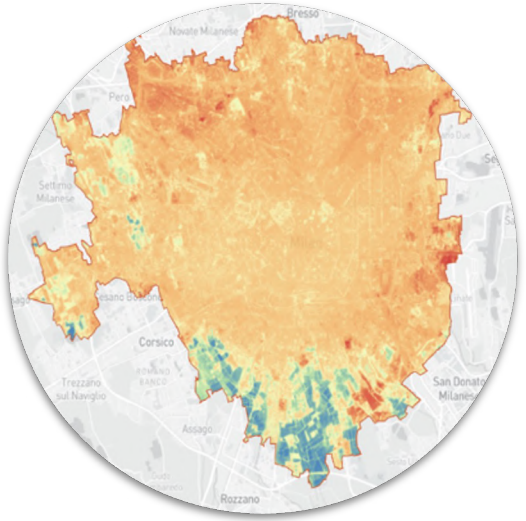
FLOOD DETECTION

A **fully automated platform** for capturing the **intricate details** of cities and places from above, with a **very high level of detail (up to 1mt)**, from the past to the present. A unique tool for **tracking changes** in time and gaining **in-depth knowledge** of places

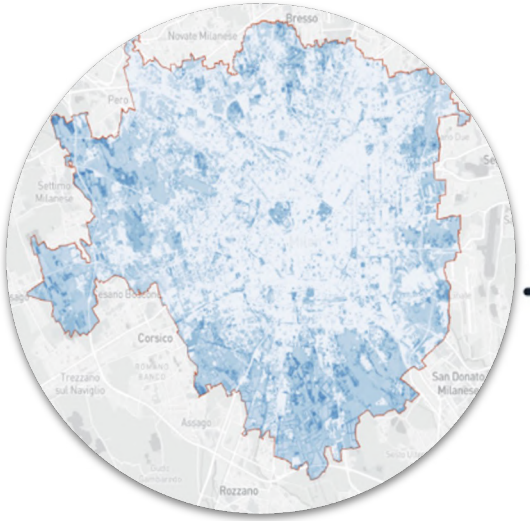
THE POWER OF INSIGHTS

identify patterns
(urban heat islands, assets risks)
predict future risks
data driven decisions
(portfolio policies, risk and reinsurance management, etc.)
validate the outcome of mitigation actions
(environmental & financial KPIs)

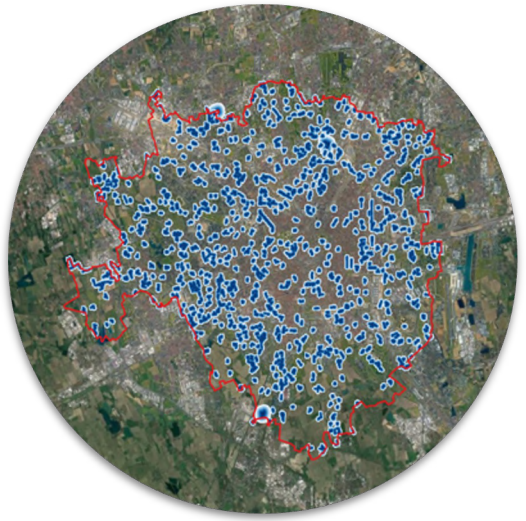
URBAN HEAT ISLAND MAP



PRE/POST EVENT CHANGE DETECTION



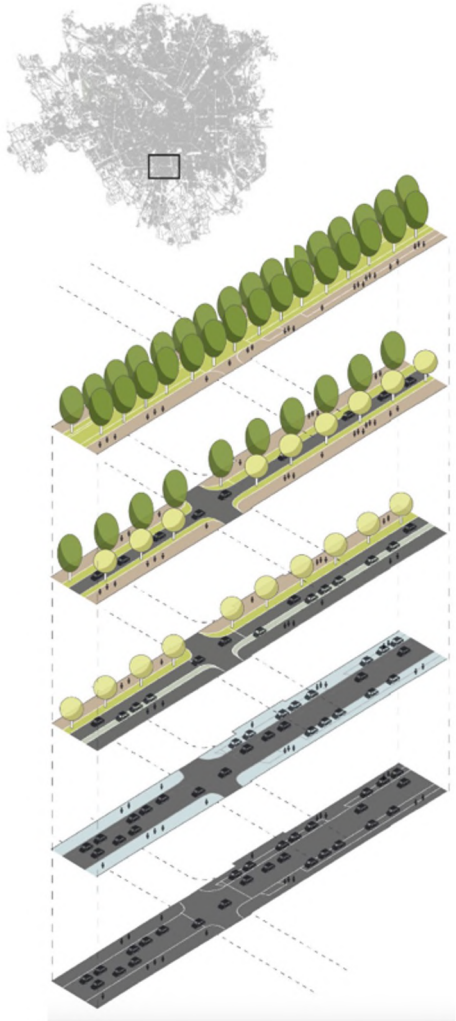
WILDFIRE RISK INDEX

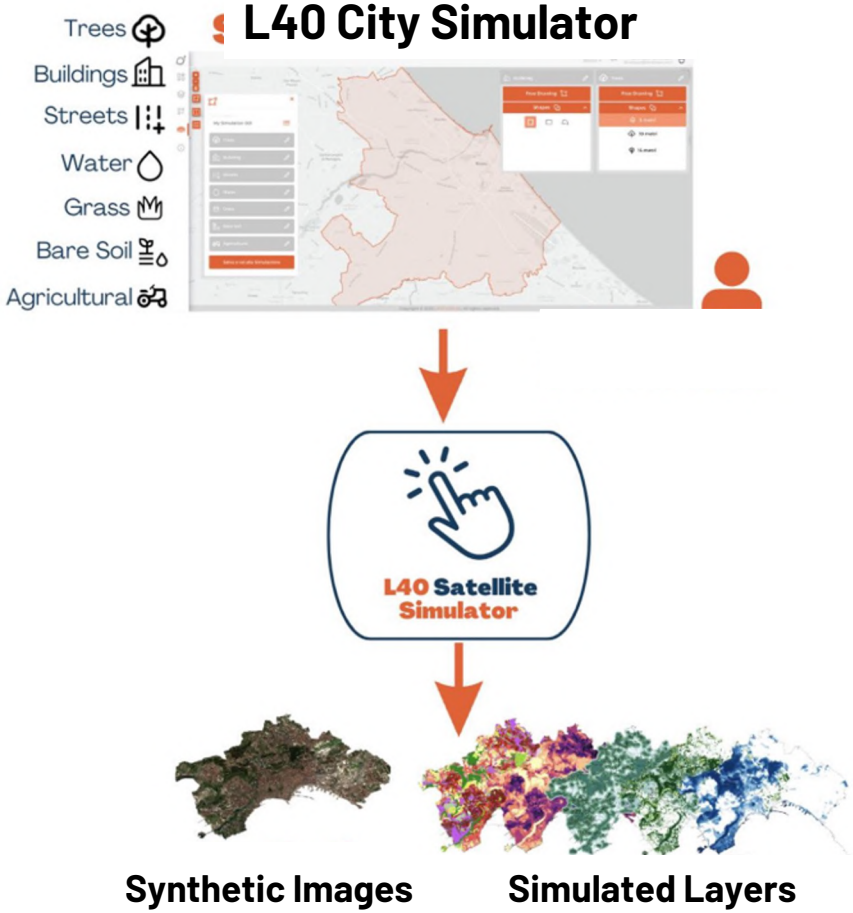


ASSETS POTENTIAL RISK INDEX

PREDICTING THE FUTURE WITH SIMULATION

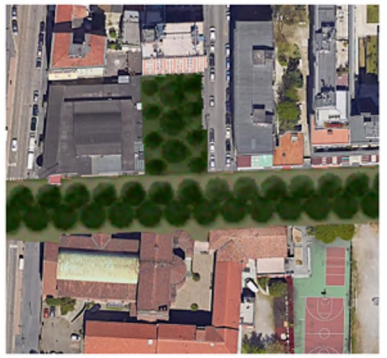
Scenarios Simulation





1

New City design



2

Synthetic Multispectral Data by Generative AI

3

Analysis on the simulated scenario

OUR VALUE PROPOSITION

Informed Decision Making & Optimal Resources Allocation

Cost Saving – to get the information

Performance Tracking – to track performance of sustainability initiatives over time

Attracting Investments - from green finance as well as from national and international bodies

Regulatory Compliance - meet national or international regulations

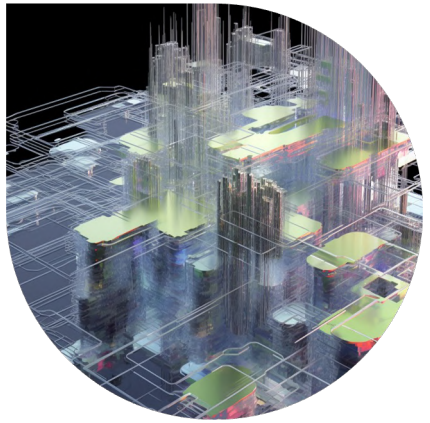
Community and Stakeholder Engagement Data as a common ground for collaboration

WE CREATE VALUE FOR...

DIGITAL CITIES

Optimal Resources Allocation – Cost Saving – Sustainability Program KPIs – Community Engagement

DIGITAL INTEGRATORS



DATASETS and INSIGHTS for digital twin / smart city platforms / Urban Planning Tools

INSURANCE – REAL ESTATE

Understanding of CLIMATE RISK and VULNERABILITY across their portfolio - Support in investments planning

We are working with customers and partners across the globe to improve the lives of 15 million citizens

Climate/Environmental risks identification and mitigation actions with Nature Based Solutions

New buildings identification and city sustainability index

Urban Heat Island monitoring and Carbon Indexes 2023/27

Sustainability Projects and vegetation management

MEET OUR TEAM

Scientists, Technologist and Creatives working together towards the same goal: a thriving planet!

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LET'S SHAPE A SUSTAINABLE FUTURE TOGETHER

THANK YOU!

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