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THE USABLE EARTH ANALYTICS

Laura Moreno
EarthPulse CEO

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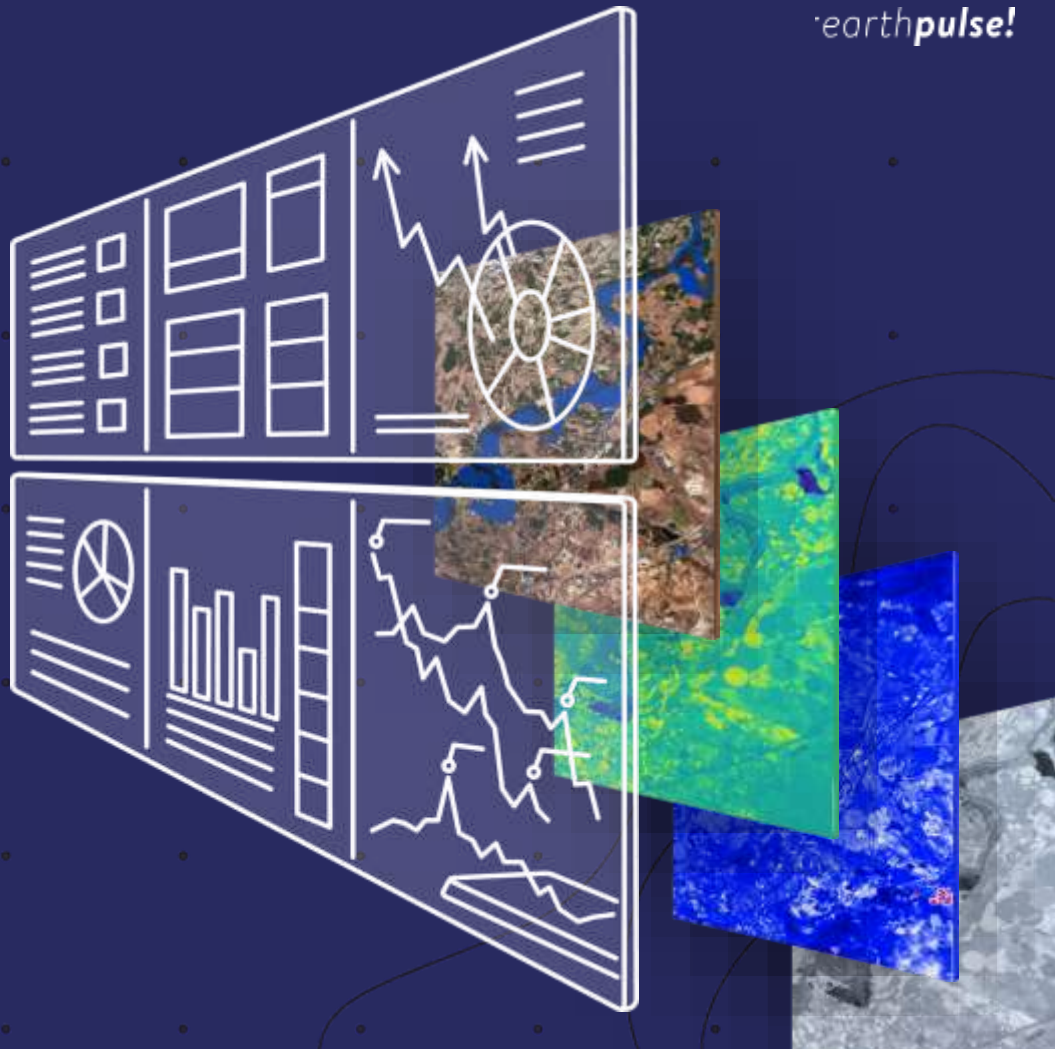
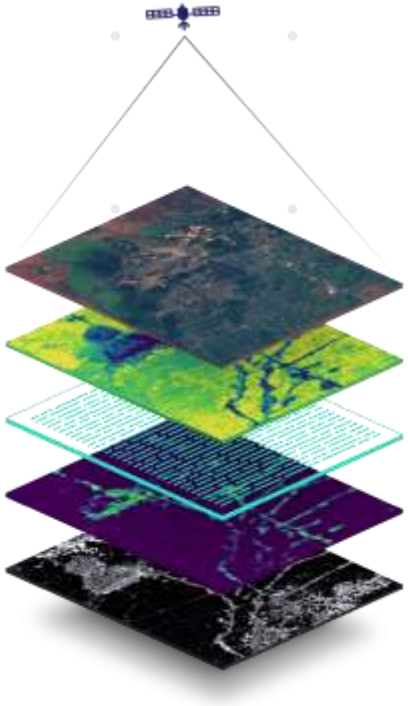


EARTH PULSE – Usable Earth Analytics

EarthPulse is the result of the fusion of very diverse backgrounds and more than 15 years of experience in Earth Observation, Artificial Intelligence, business and innovation, with the purpose of offering a wide range of expert advice and integrated solutions.

OUR MISSION

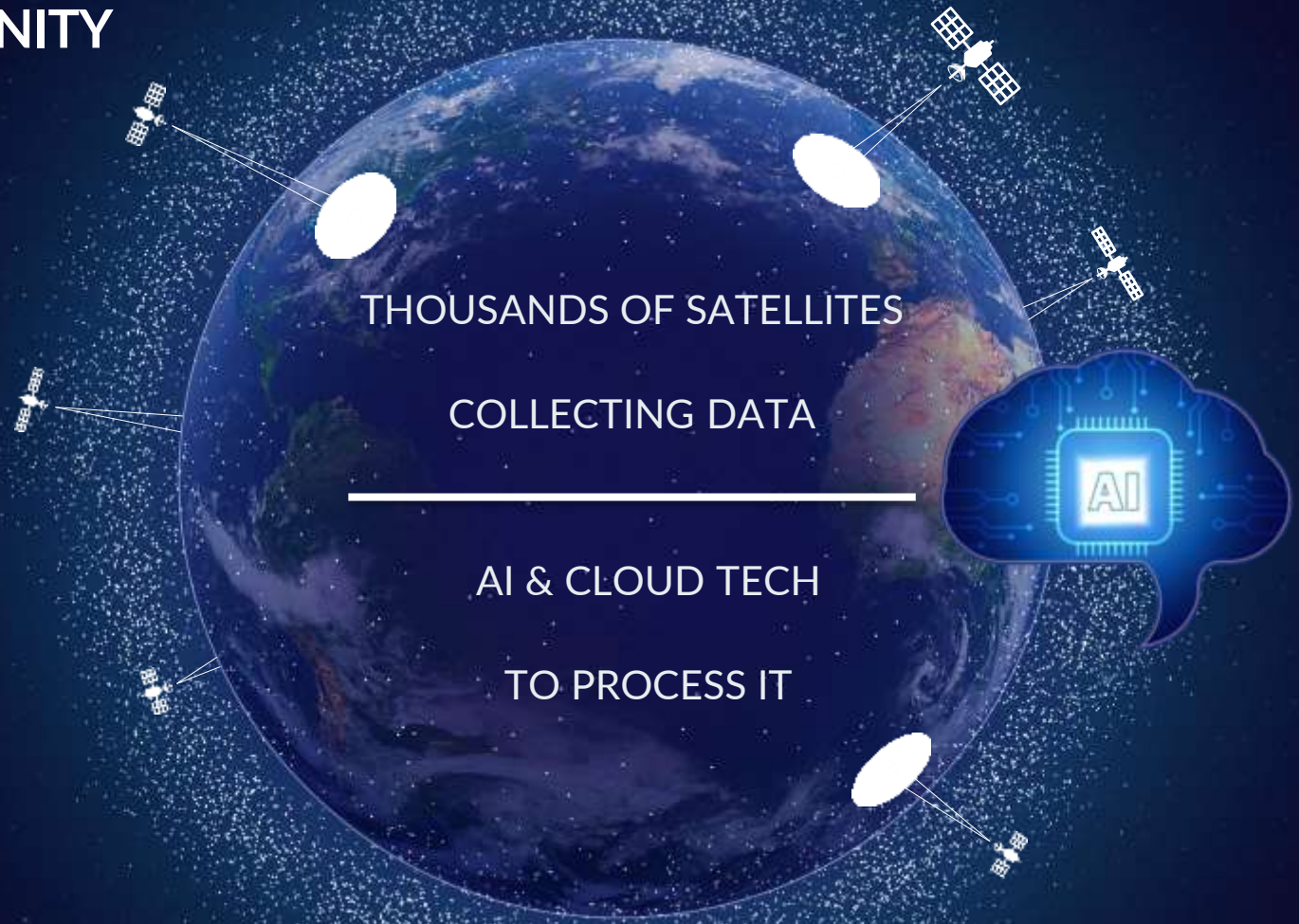
Our mission is to **unlock the value of satellite data through Artificial Intelligence,** to generate satellite analytics that are accessible, useful and easy for the user to understand.



OUR TECHNOLOGY

We combine satellite data with various data sources, and leverage it with Artificial Intelligence to provide useful information in the construction and infrastructure sector.

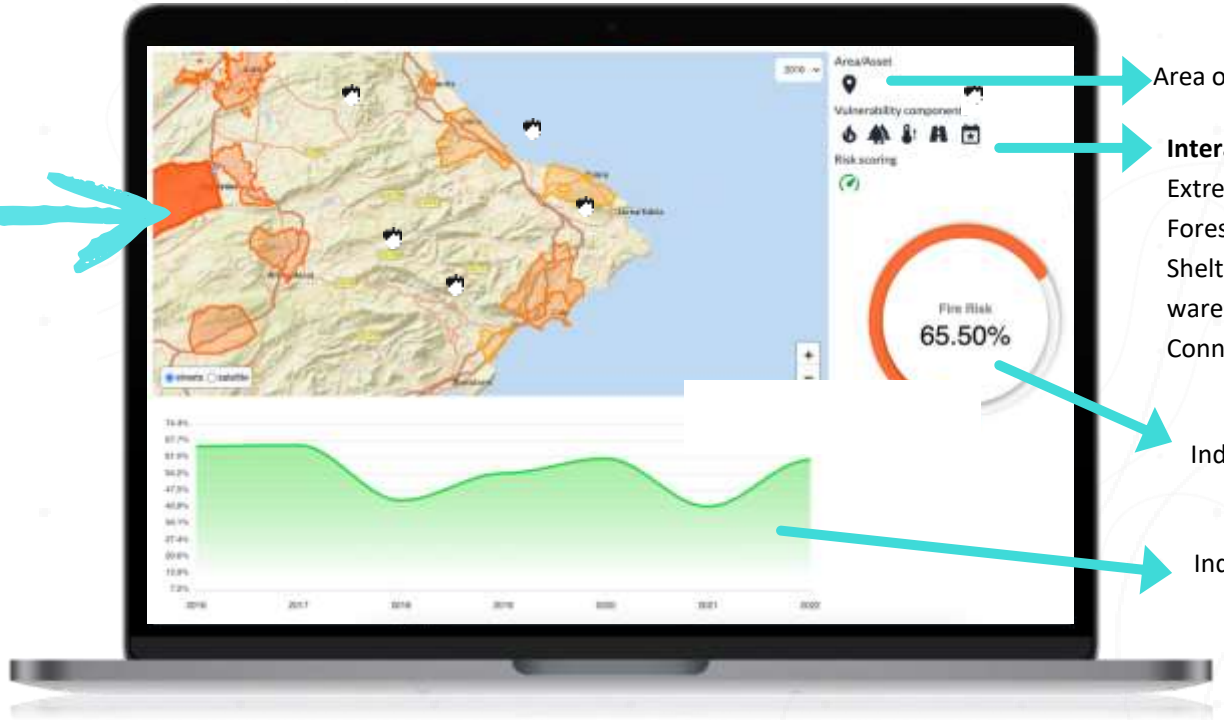
OPPORTUNITY



PULSES

But, what are PULSES ?

A **PULSE** is a set of aggregated indicators combining satellite and geospatial data to support decision-making in dynamic environments for all kind of expertise's



Area of Interest

Interactive layers:
Extreme temperatures,
Forest health,
Shelters, offices and warehouses of NGOs,
Connectivity of roads

Indicator

Indicator evolution through time

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CLIMATE RISK PULSE

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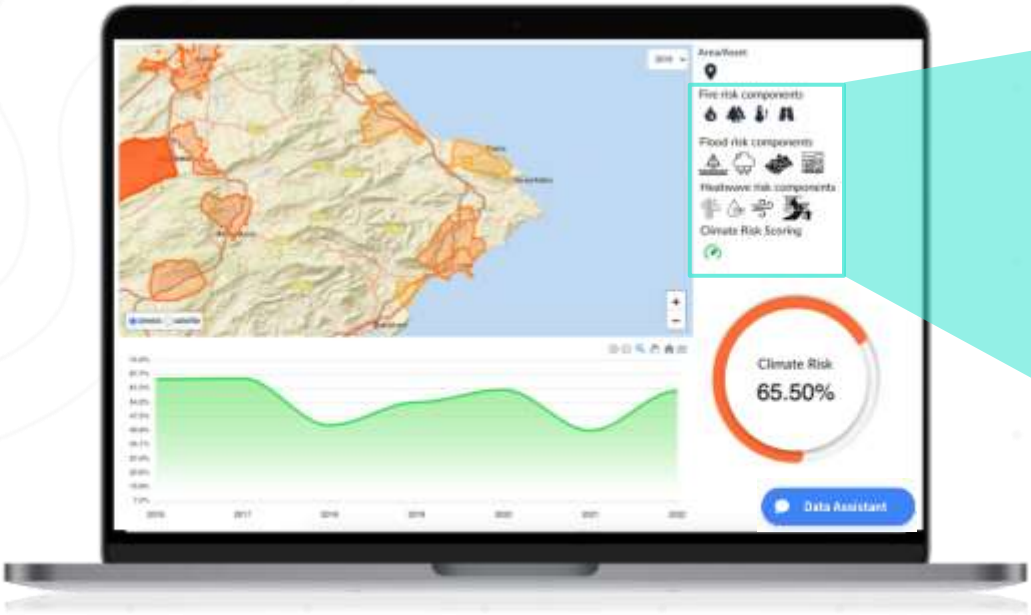
CLIMATE RISK PULSE

MATURITY

Analyse the physical and transition risks to extreme weather events



CLIMATE HAZARD LAYERS
Flood Risk
Wildfire Risk
Heatwave & Asphalt Deformation

METEO LAYERS
Temperature Trends
Rainfall Trends
Wind & Extreme Weather Events

Climate risk scoring

Risk Classification Maps for Insurance Purposes

Operations Decision-maker

Road safety decision-maker

Financial Analyst

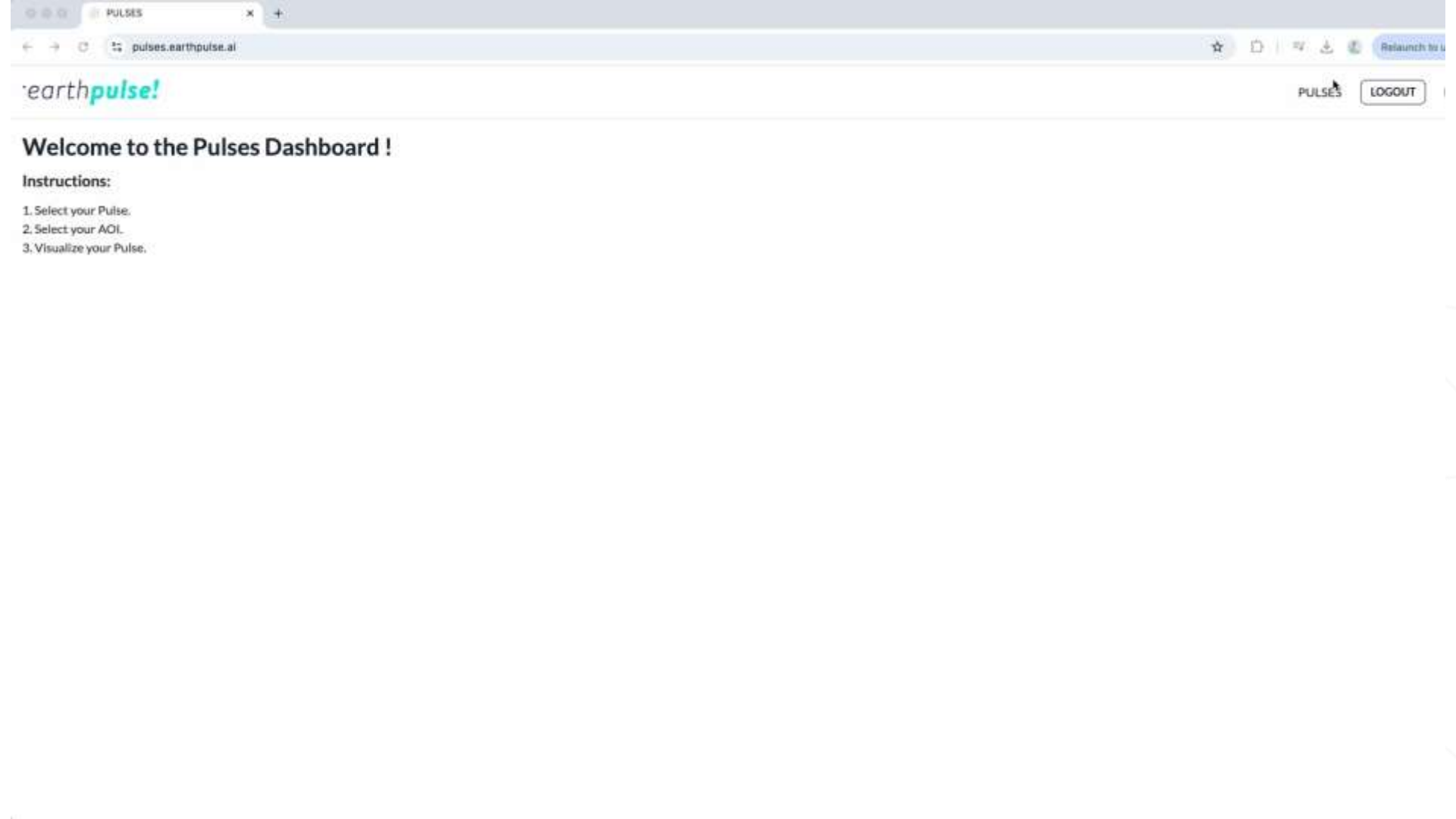
Sustainability Reporter

RISK INDEX AND TREND

MULTI-LAYER MANIPULATION

TIME SERIES DATA

DATA ASSISTANT


PULSES
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PULSES
LOGOUT
Welcome to the Pulses Dashboard !
Instructions:
1. Select your Pulse.
2. Select your AOI.
3. Visualize your Pulse.

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FLOOD IMPACT PULSE

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FLOOD IMPACT PULSE

MATURITY

FAST MAPING FOR FLOOD IMPACT

HAZAR LAYERS

Flooded area, other hazards,

METEO LAYERS

Temperature
Precipitation

EXPOSURE & VULNERABILITY

GDP of population, Roads, Schools, population

OTHER DATA

Land use land cover

RISK INDEX AND TREND

MULTI-LAYER MANIPULATION

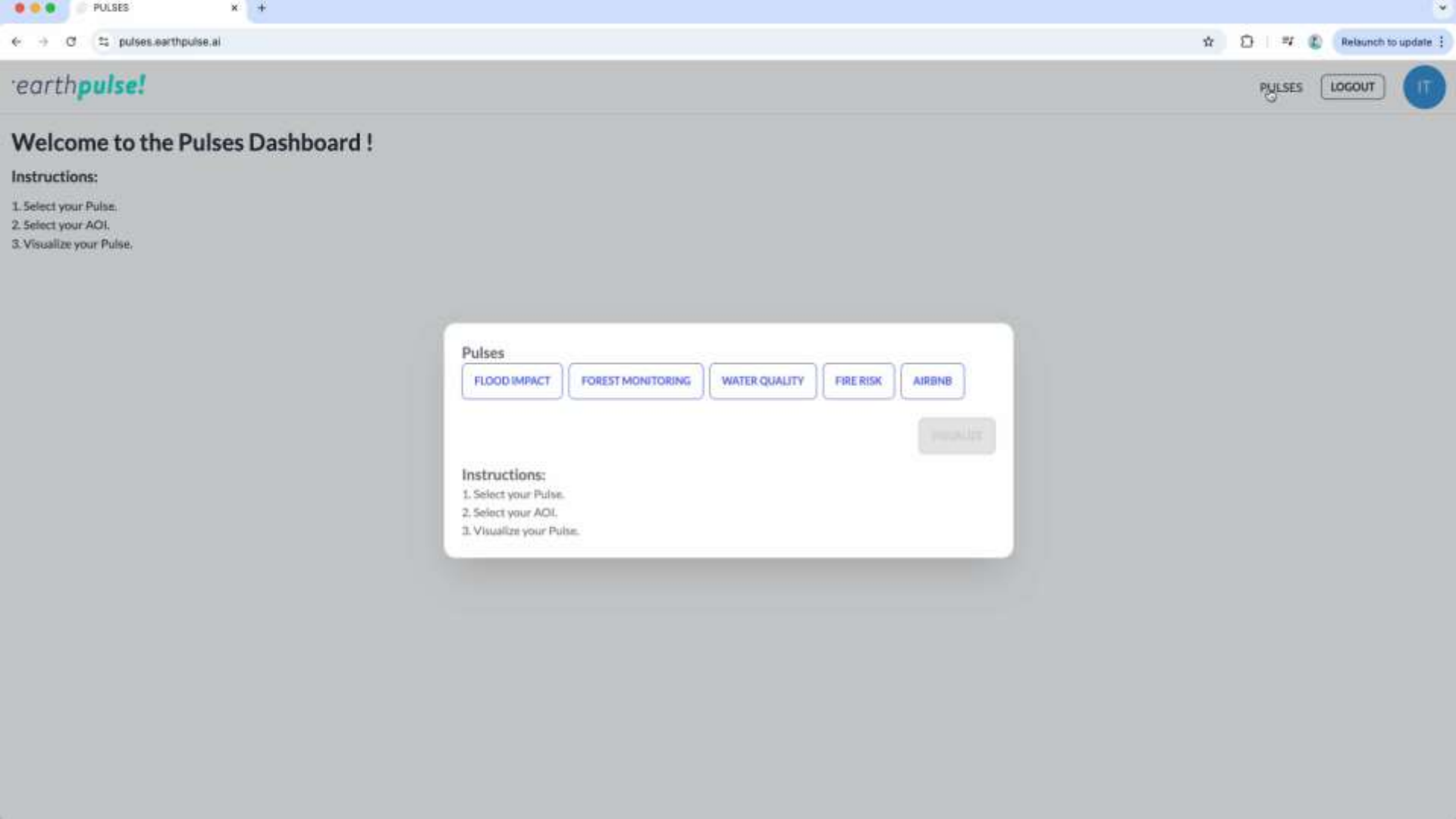
TIME SERIES DATA

DATA ASSISTANT

Operations Decision-maker

Road safety Decision-maker

Sustainability Reporter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Relaunch to update
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PULSES
LOGOUT
IT
Welcome to the Pulses Dashboard !
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Pulses
FLOOD IMPACT
FOREST MONITORING
WATER QUALITY
FIRE RISK
AIRBNB
Instructions:
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2. Select your AOI.
3. Visualize your Pulse.

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LANDSLIDE RISK PULSE

LANDSLIDE RISK PULSE

MATURITY

Detect and predict areas with high risk of landslides

DYNAMIC LAYERS
Vegetation Index
Moisture Index

InSAR LAYER
Ground Motion

GEOPHISIC LAYERS
Slope
Lithology
Elevation Models

METEO LAYERS
Precipitation
Weather forecasts

Operations Decision-maker

Road safety Decision-maker

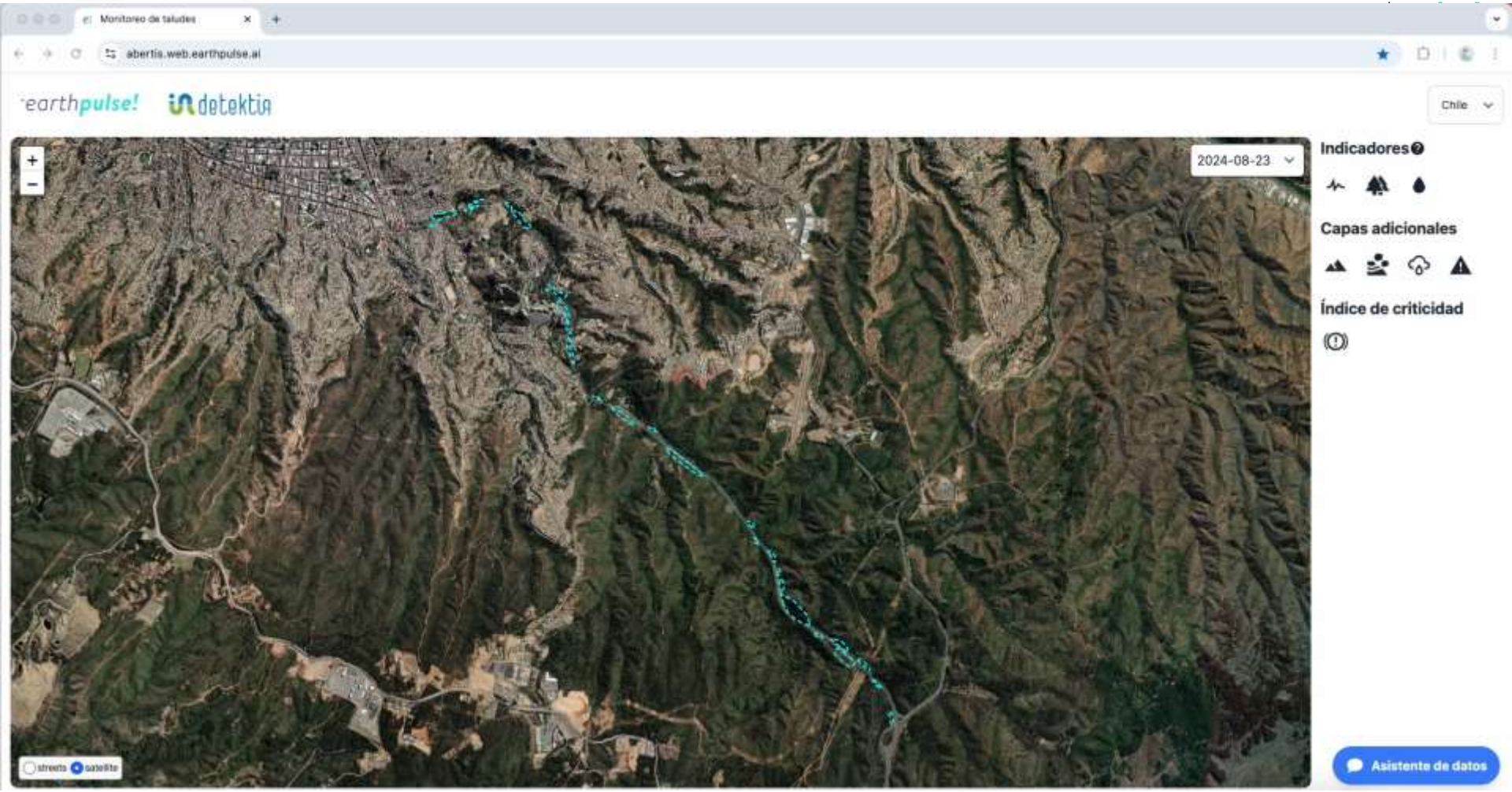
Sustainability Reporter

RISK INDEX AND TREND

MULTI-LAYER MANIPULATION

TIME SERIES DATA

DATA ASSISTANT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Indicadores
Capas adicionales
Índice de criticidad
streets
satellite
Asistente de datos

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SPAI

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SPAI

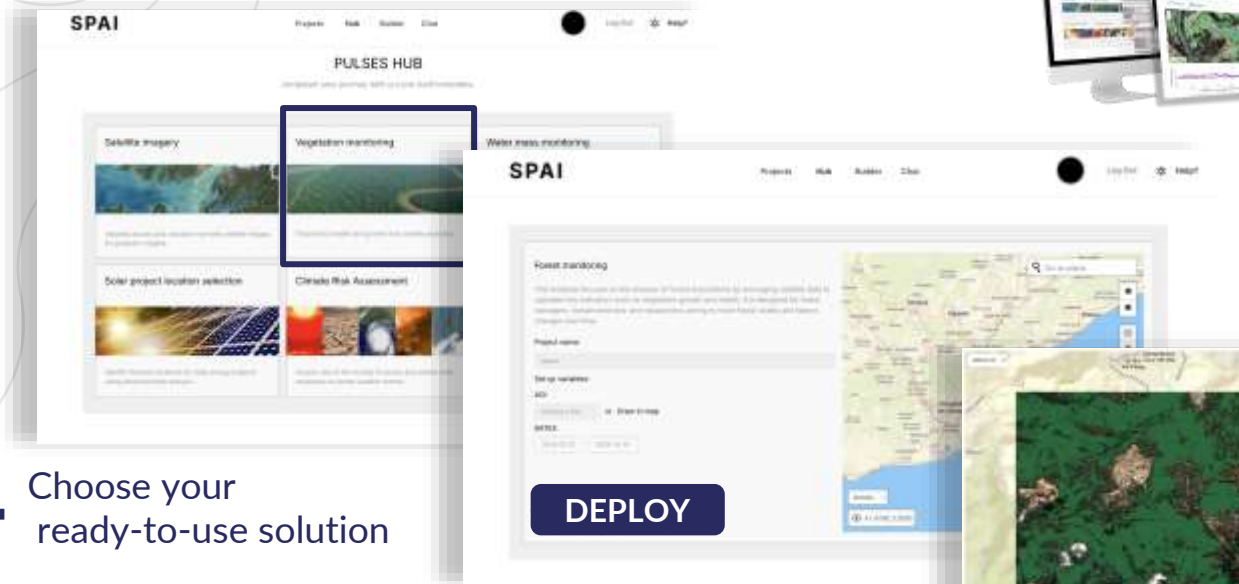
Leverage Geospatial Intelligence

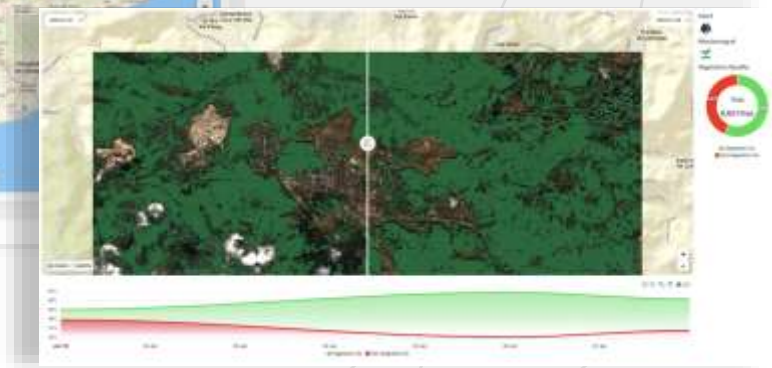
Easy, fast and custom solutions

ACCESS,
PROCESSING and
VISUALIZATION of EO & GEO data.

Cloud-native & cloud-agnostic
Auto-scalable resources
Solutions On-premises
Reliable, Robust

Replicate a PULSE in any region, **anytime.**





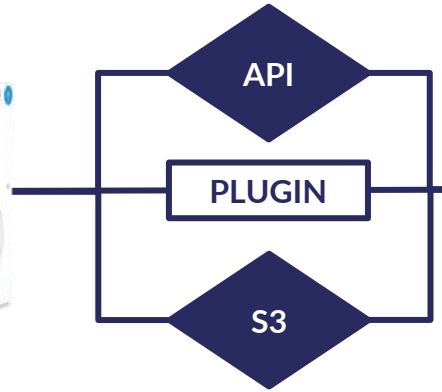
1 Choose your ready-to-use solution

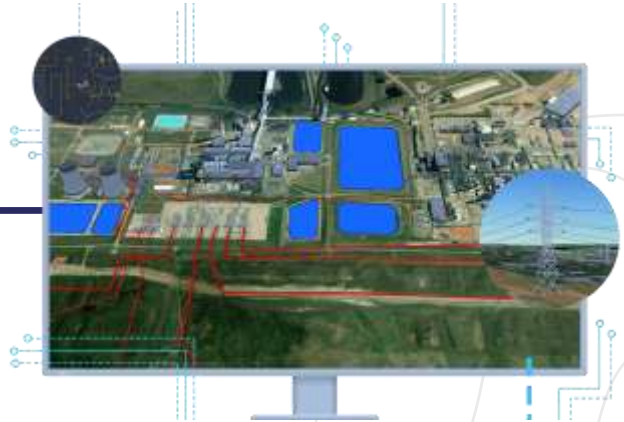
2 Define where and when

3 Start making informed decisions

SPAI HUB

Integrate the results **wherever** you are **currently working**





SPAI

databricks

ArcGIS Pro

ArcGIS Pro

ArcGIS Utility Network

ArcGIS Utility Network

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ADVANTAGES

SATELLITE ANALYTICS

It allows information to be obtained in **remote areas**

Enables the understanding of **past trends**

Reduces operating **speeds**

Reduces monitoring **costs**

It facilitates the development of **new products** and lines of business

WITH SPAI

It can provide robust **data access, processing** and **visualization**

Provide multiple solutions **unified in the same platform**

Allows to **replicate** the solutions in any region, anytime

Allows to **personalize** the solutions to your needs

Allows to **integrate** the solutions within your tools & within your workflow

Allows **users with different types of knowledge** to exploit and get the value from the EO data

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CLIENTS

AENOR
THE WORLD BANK
Agència Catalana de l'Aigua
Generalitat de Catalunya
esa
AXA
epi energy
CONAE
IDRICA
ADB ASIAN DEVELOPMENT BANK
Createch
hispasat
Telefónica
abertis
prima

ECOSYSTEM

ACCIÓ Catalonia Trade & Investment
EUSPA
GoHub by Global Omnium
InsuResilience GlobalPartnership
Netmentora by Réseau Entreprendre
laSalle Technova Barcelona
Tech Barcelona
CWP

GO GREEN, GO DIGITAL

TEAM

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PRODUCT MANAGER

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BUSINESS DEVELOPER

Alejandro Biurrun
ACCOUNTANT & ADMIN

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ALL CAPABILITIES OF SATELLITE DATA NOW AT YOUR FINGERTIPS

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