AgroInsider

Field, Innovation & Science

®

Presentation

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esa

EUREKA Σ!
Inovation across borders

#SealOfExcellence

The **Challenge**

Modern agriculture must increasingly accomplish:

- ✓ **competing in international markets**
- ✓ **input management efficiency**
- ✓ **value criation to the end user**

Thus arises Agroinsider®, with an experienced and skilled team, focused on giving farmers the tools for a more efficient and sustainable management of their activity.

Agroinsider® – **The company**

AgroInsider (www.agroinsider.com) was founded in 2015, to provide Agriculture 4.0 services throughout the **agro-industrial** value chain. Since then, has been awarded a EU-H2020 "Seal of Excellence" and a EUREKA Artificial Inteligence seal.

Agroinsider® – **The company**

Mission
To produce intensive knowledge based on Earth Observation data that is socially relevant to decision making.

Improve the financial efficiency and environmental sustainability of agricultural activities in Portugal and worldwide.

Vision
Every day make the world a better place

To be at the forefront of technical and scientific knowledge, as well as international market trends, to support decision-making and contribute to a more sustainable agriculture in economic, social, and environmental aspects.

Agroinsider® – **The company**

We support decision making at different levels:

Implementation of the goals of the European Green Deal and Farm to Fork strategies.

Monitoring, inspection and auditing of agricultural parcels, in order to reduce their operational risks.

Optimization of Soil - Water - Plant processes, as a way of reducing the respective operational footprints.

Spectral, spatial and temporal analysis of (bio)diversity and sustainability of Agroforestry landscapes.

Estimation of biomass stocks, production and carbon inventories, using earth observation tools.

Our technology - Data

We work with a set of satellites managed by the European Space Agency that capture high resolution images, collecting data on vegetation, soils and moisture.

Agroinsider® transforms this data into relevant information to help in decision making and makes it available in its SmartAG App.

Through Artificial Intelligence techniques, we prepare alert reports (anomalies) and campaign reports of the plot or crop.
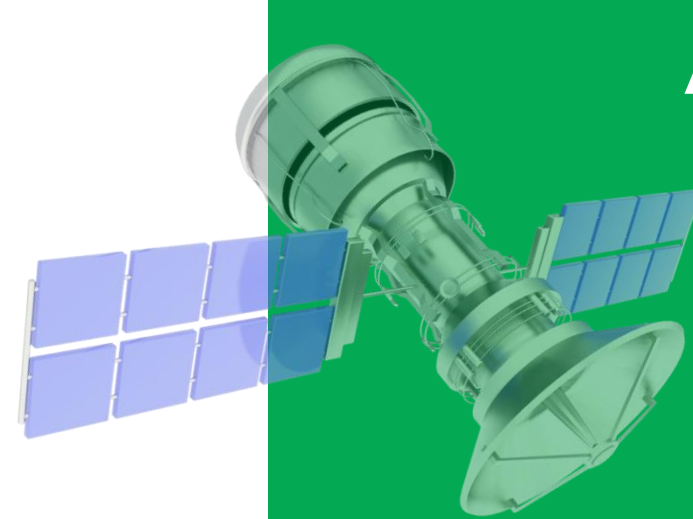
Our technology - Alerts

AGROINSIDER

Irrigation systems

We optimize your water use and detect possible problems in the irrigation system.

Productivity deviation

Real-time monitoring of the vegetative development of your crop.

Anomalies

According to our algorithms, yellow or red alerts are generated according to the variability of the plot.

Our **Services**

Audit

We analyse the activities carried out on your farm, quantify and issue a certificate with your environmental footprint, attributing monetary value to be commercialized.

Consultancy

We manage and ensure the best quality of the entire cultivation process. We advise best management practices.

Broker

We help you buy and sell your carbon credits on the international market.
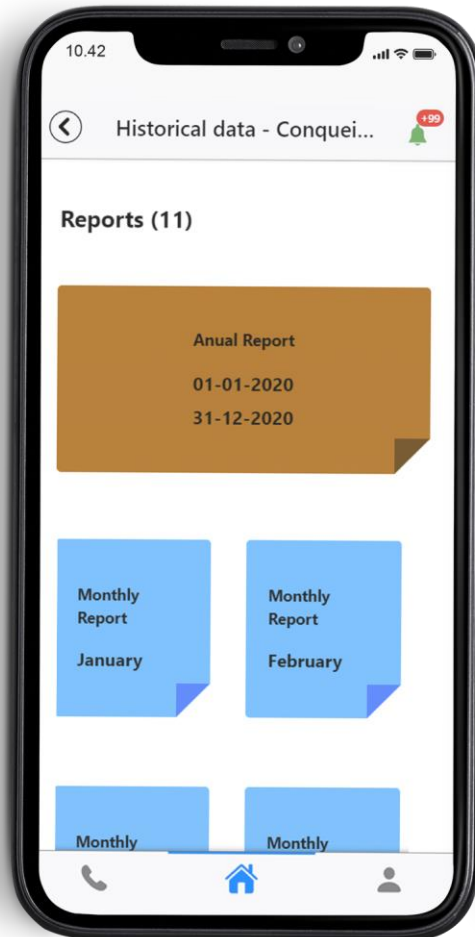
Risk Monitor- SmartAG
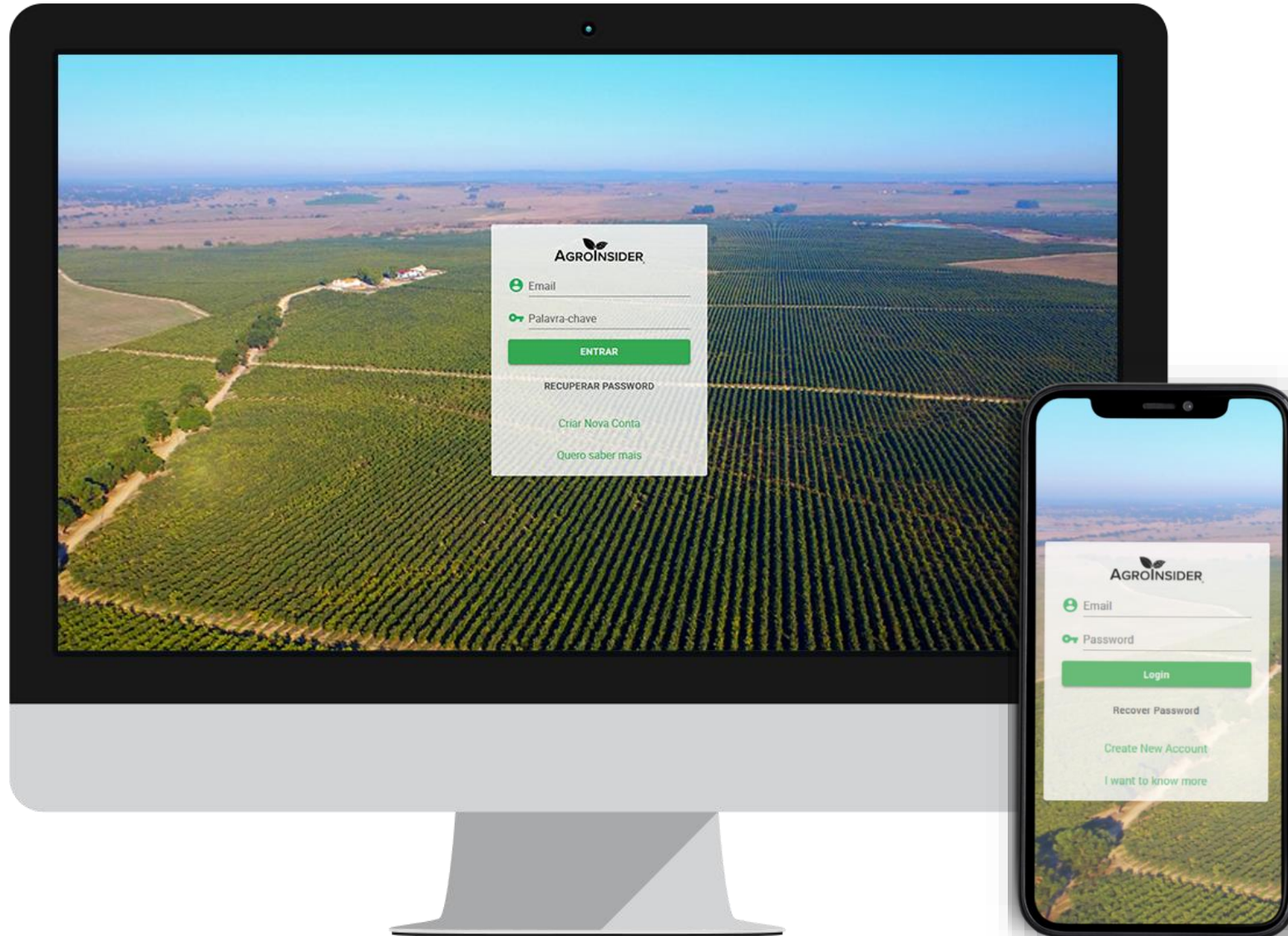
AI Evaluate

Plot limits – Crop daily evolution
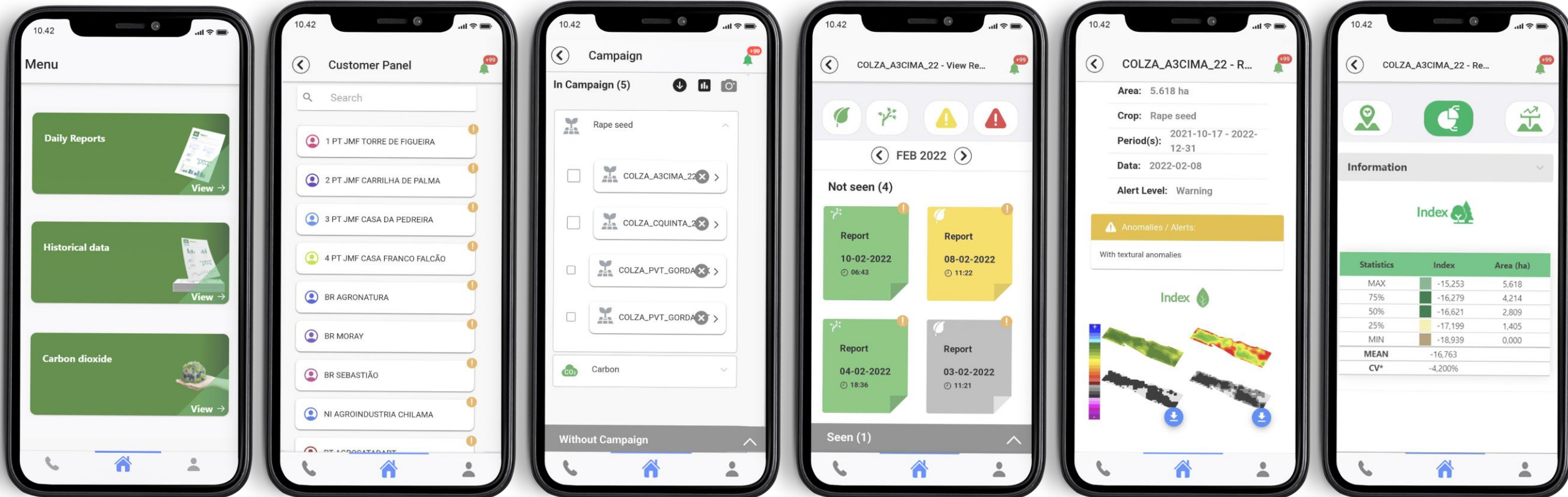
AI Evaluate

Farm Limits – Land use analysis in time and space

AI **Evaluate**

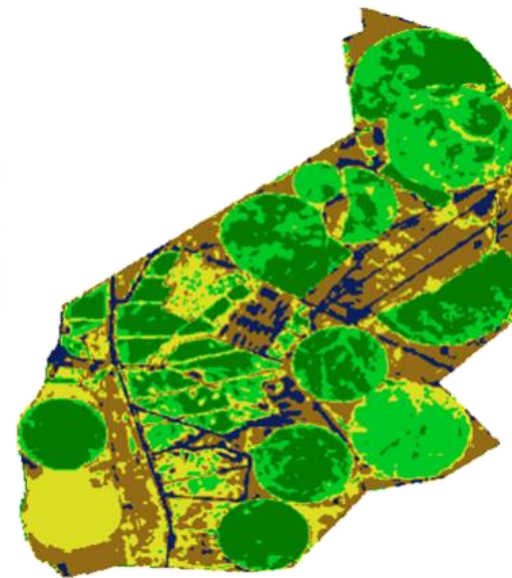AGRO**INSIDER**
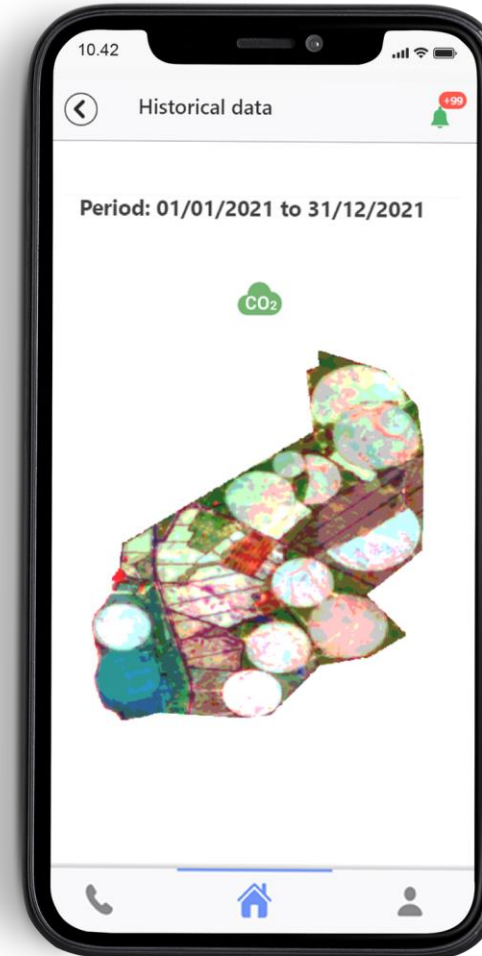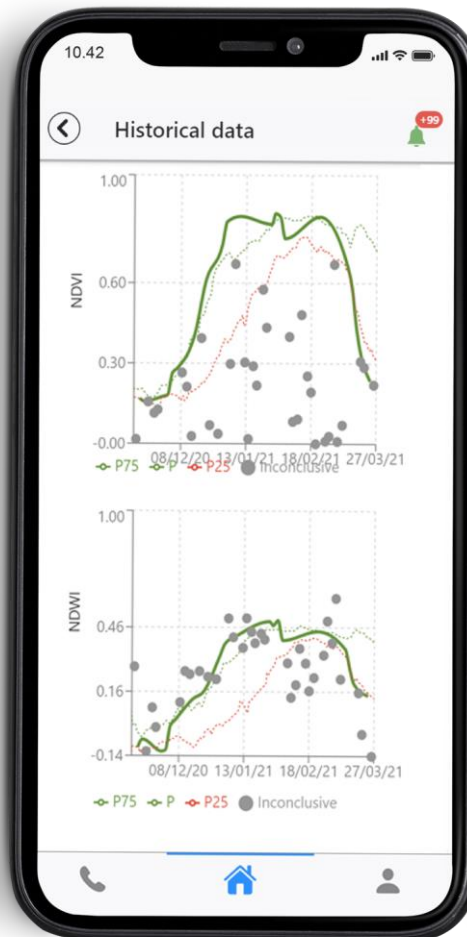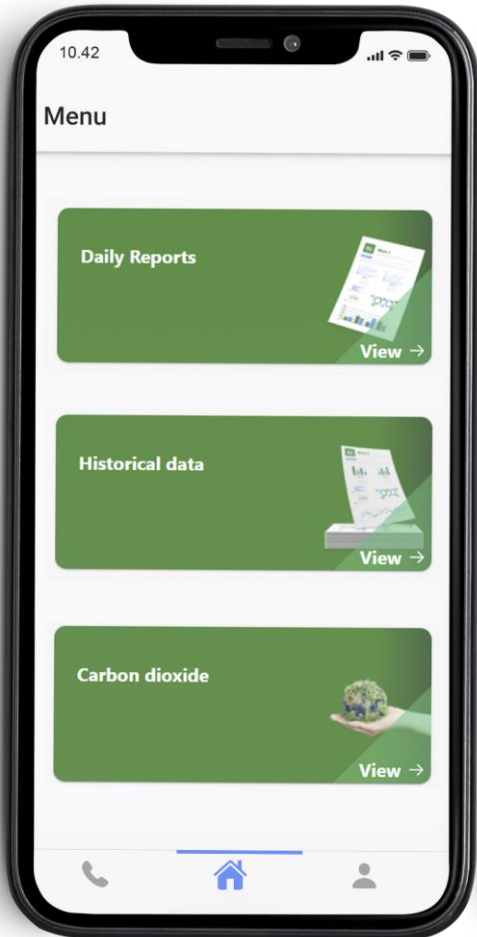
CO2 territorial intelligence

Farm Annual Analysis - 2021
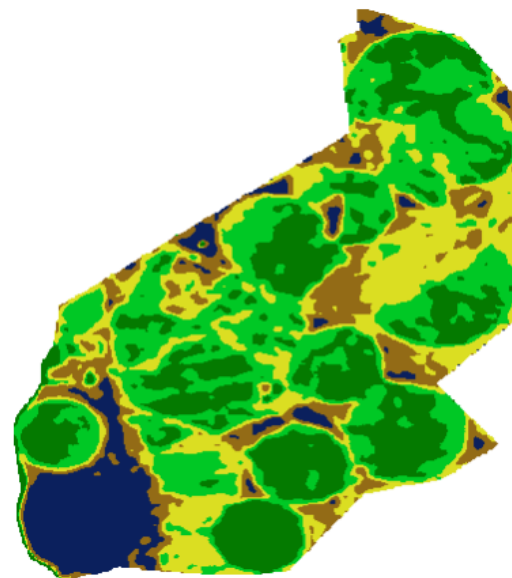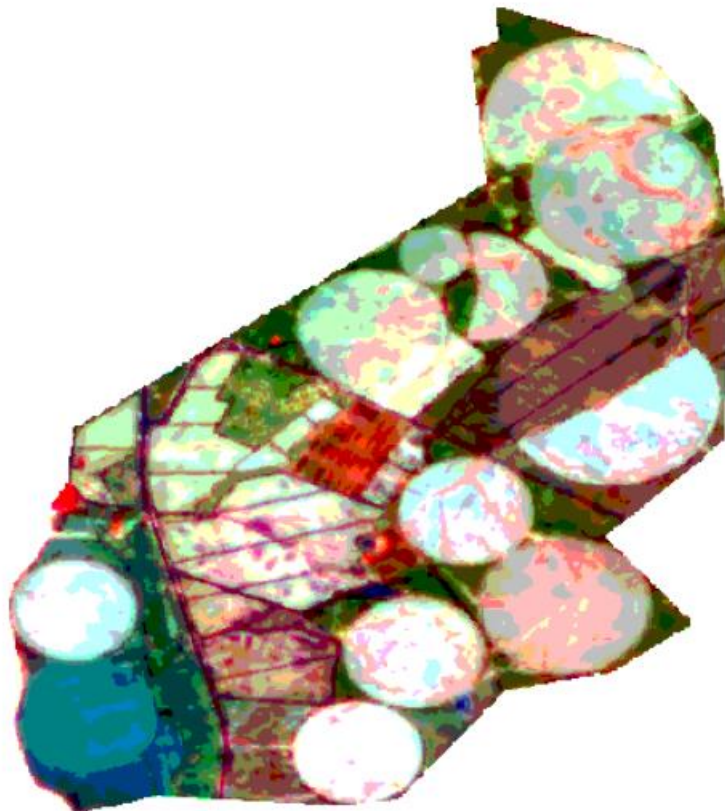
Vegetation structure
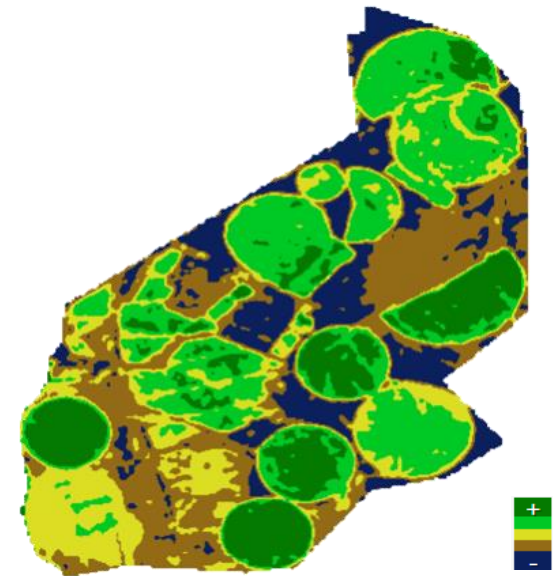
Photosynthetic activity

Vegetation water stress

High structure and productivity and low water stress

Lower water stress

High productivity (more chlorophyll)

More structure (or slope)

Mobilized areas or pastures

AI Evaluate

Inter-Annual Farm Analysis: 2017 - 2021

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Inter-Annual Analysis of the Farm
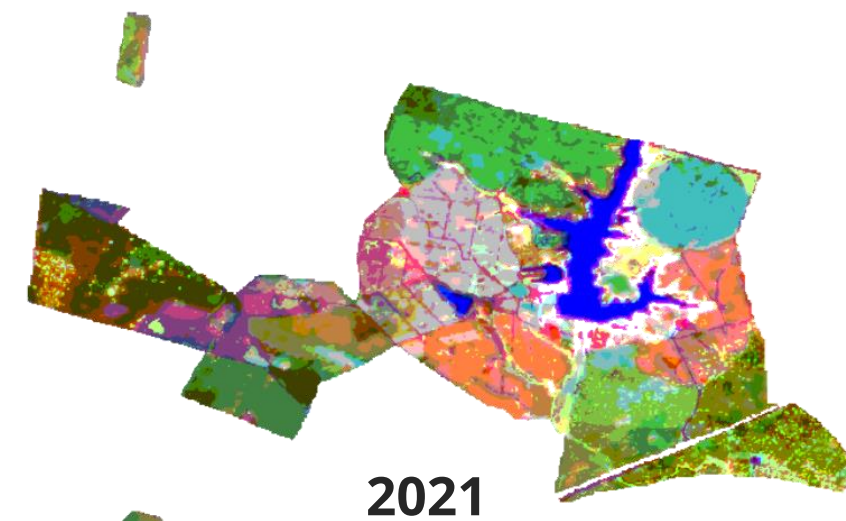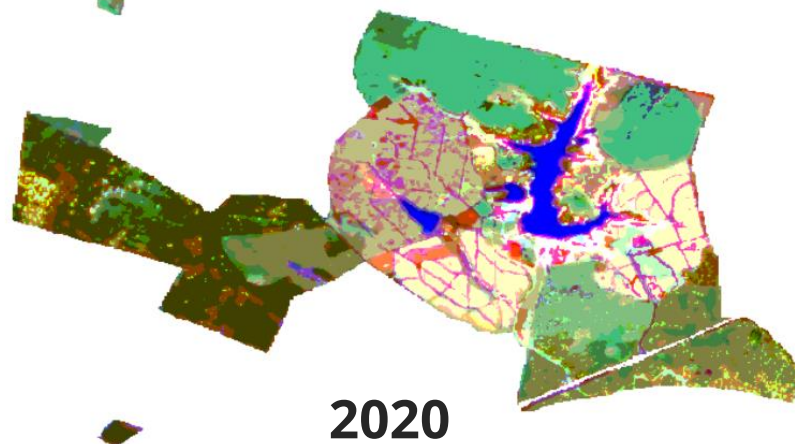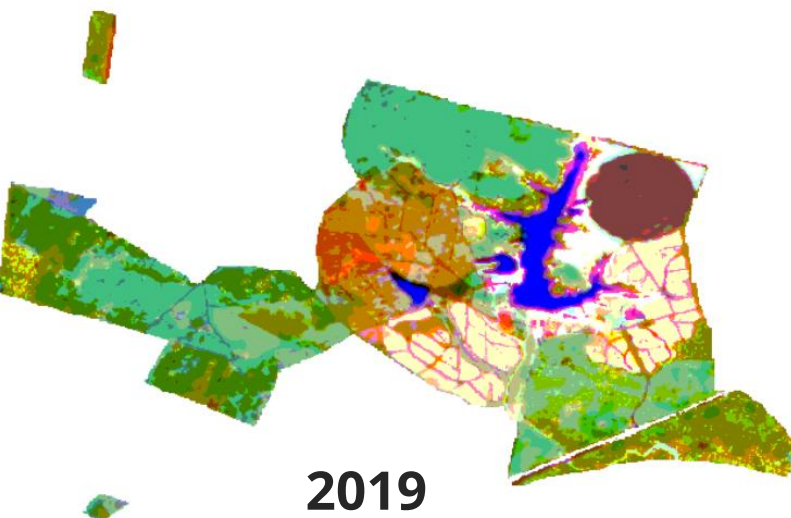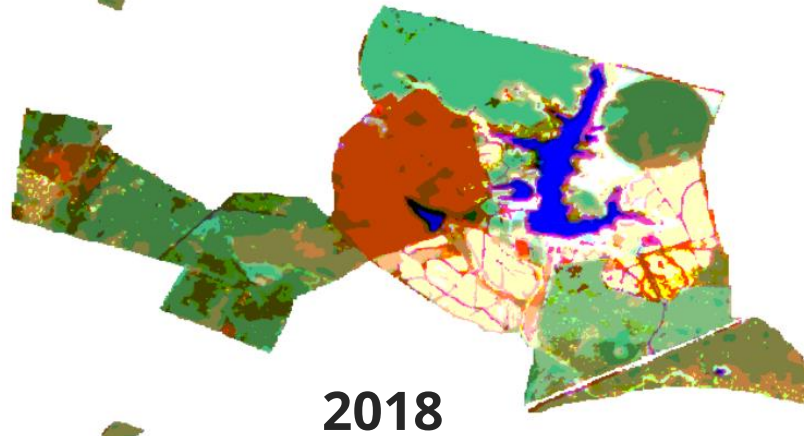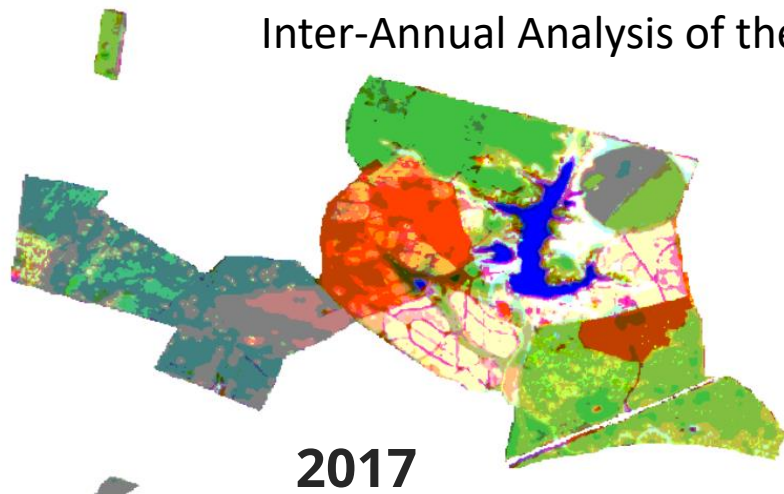
2017

2018

2019

2020

2021

High structure and productivity and low water stress

Lower water stress

High productivity (more chlorophyll)

More structure (or slope)

Mobilized areas or pastures

Agroinsider® in the World
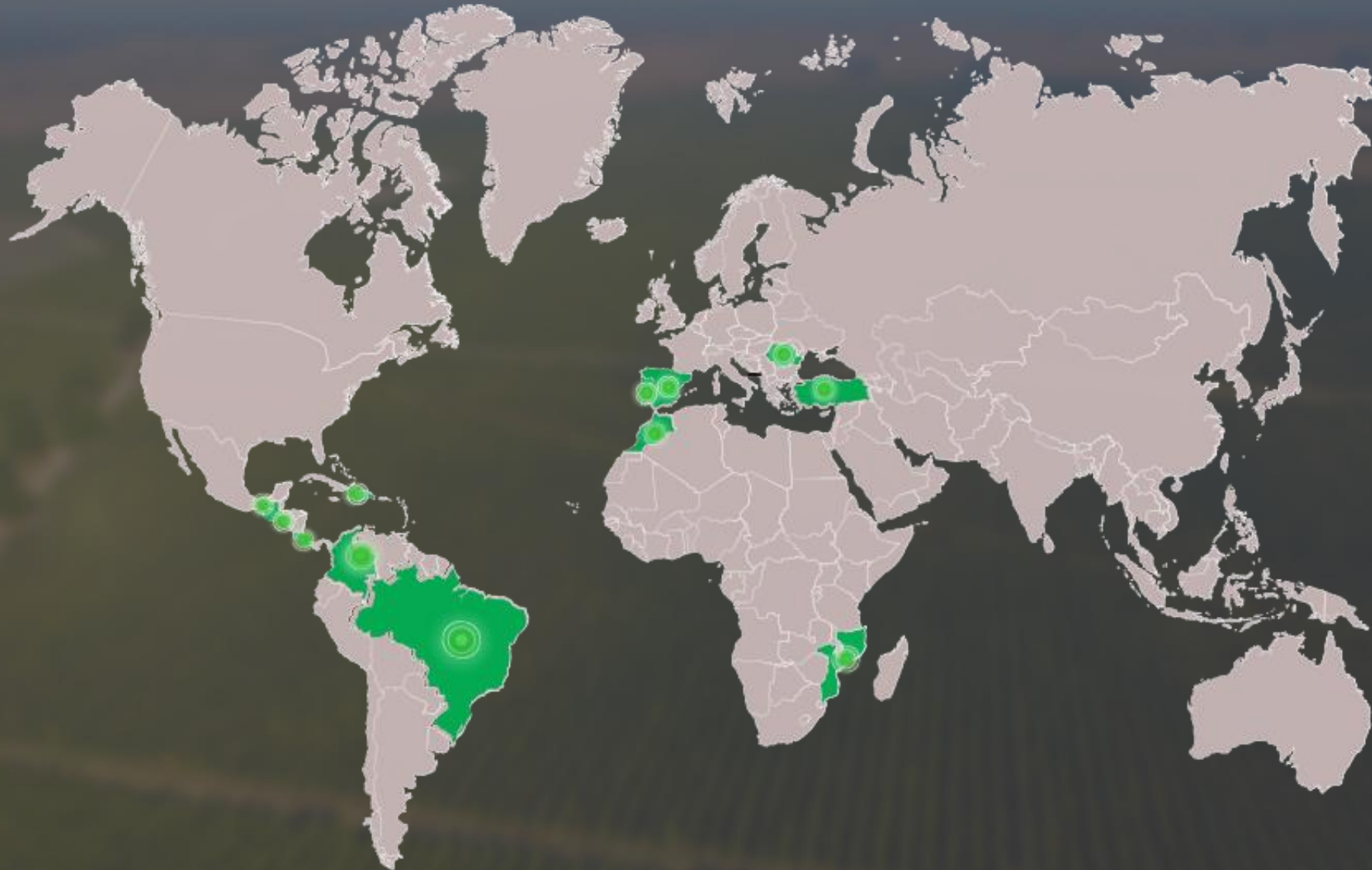
Agroinsider® in the World

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How to reach us

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Where we are

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