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"GreenTech Hub: Georgian Farmer Association Digital Projects"

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EARTH OBSERVING SYSTEM

Crop Monitoring

Listening to the pulse of fields

Georgian Farmers' Association
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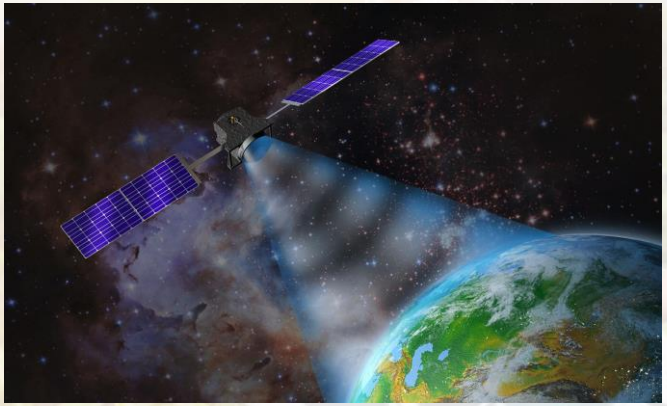
EARTH OBSERVING SYSTEM

EOS is an international company specializing in high quality satellite imagery analysis.



Satellite Data

Satellite Imagery

Synthetic aperture radar imagery

EOS uses a number of algorithms that allow us to analyze the resulting data for any required aspect of business and to adapt them to work for a number of industries.

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EARTH OBSERVING SYSTEM

Features

- Field monitoring
- Weather data
- Zoning
- Scouting
- Field Rating

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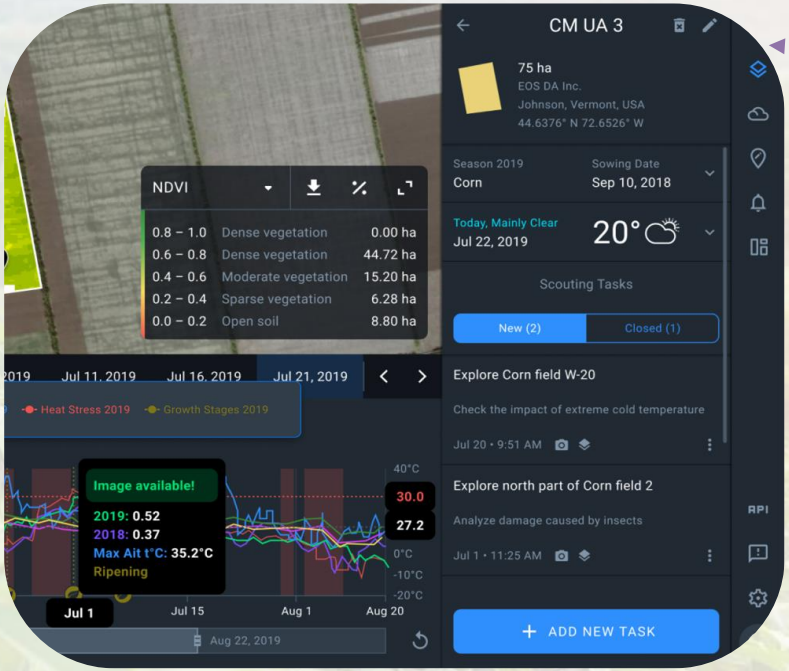
EARTH OBSERVING SYSTEM



Field monitoring tab

1. Timely detect stressed areas on your fields with NDVI, MSAVI, NDRE, NDMI, and RECI indices.
2. Perform historical analysis based on 5-year satellite data and 10-year weather data.
3. Detect the correlation between weather data (precipitation, soil moisture, heat/cold stress) and vegetation deviations.
4. Keep crop rotation data and other records in a single source.

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EARTH OBSERVING SYSTEM

NDVI (Development stage - Harvesting. This index displays the crop's readiness to be harvested)

NDRE (Development stage - Harvesting. This index displays the crop's readiness to be harvested)

RECI (Development stage - Active phase of crop development. This index highlights problematic areas)

MSAVI (Development stage - Seedlings
This index displays the seedling density rate.

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Detect Winter-killed Crops

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Fertilizer tracking

Tracking the effects of fertilizers and plant protection agents

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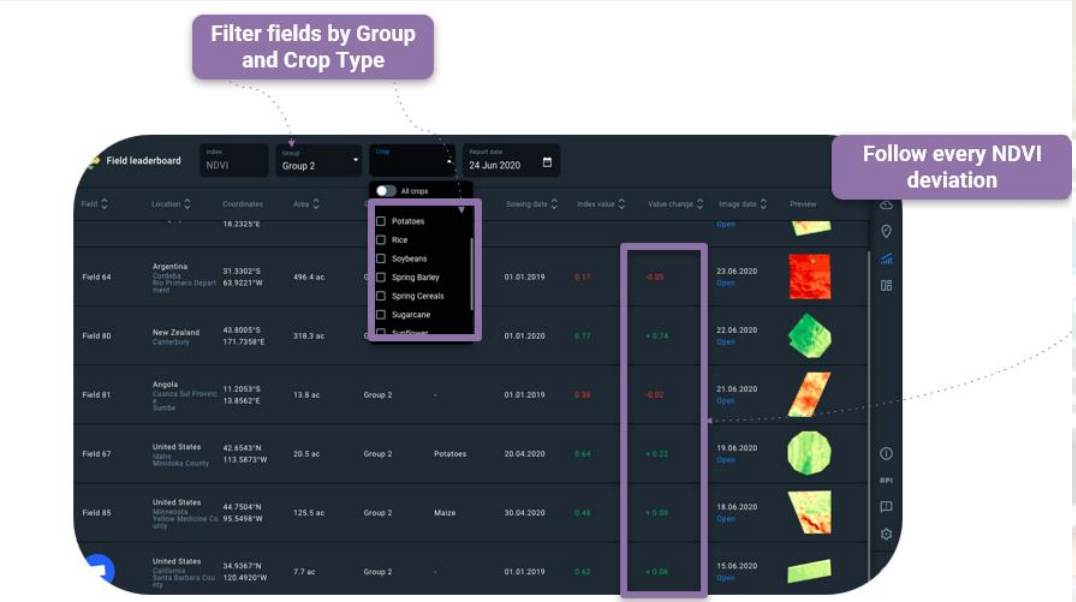
Field rating

EARTH OBSERVING SYSTEM



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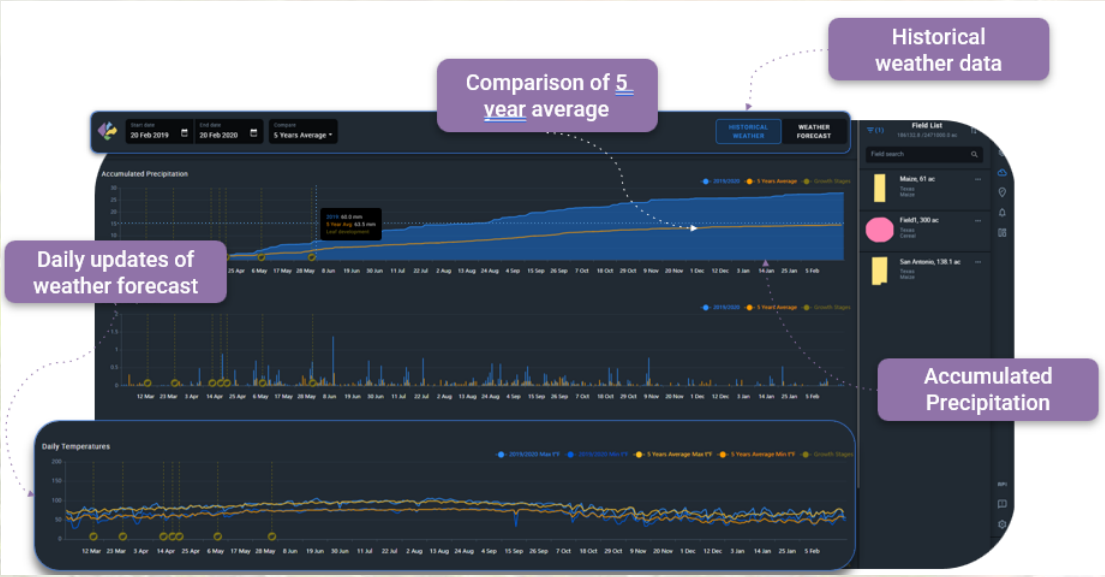
Weather data

EARTH OBSERVING SYSTEM



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Field Flood Identification

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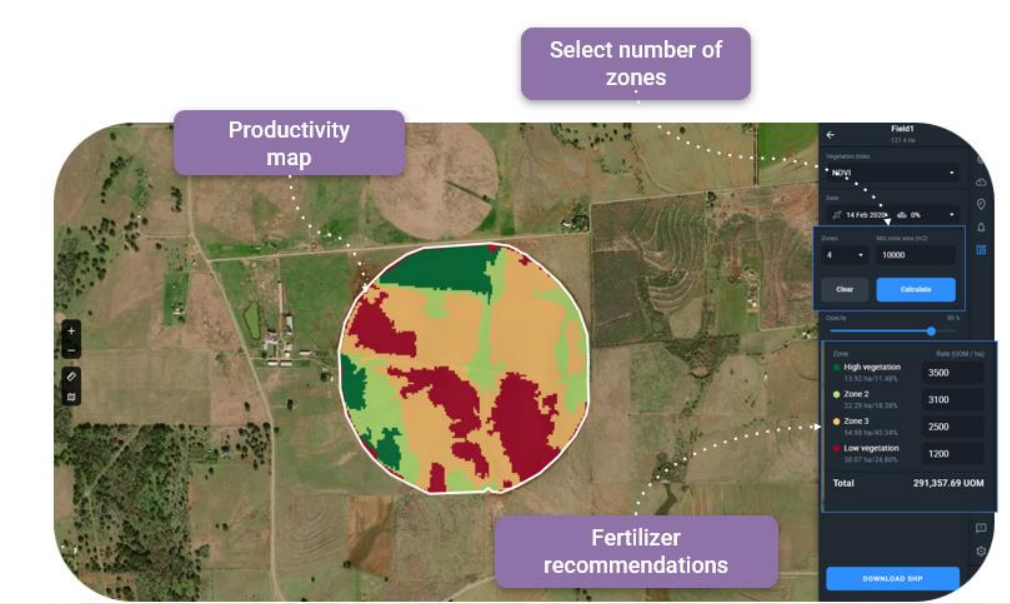
Nitrogen VRA map

EARTH OBSERVING SYSTEM



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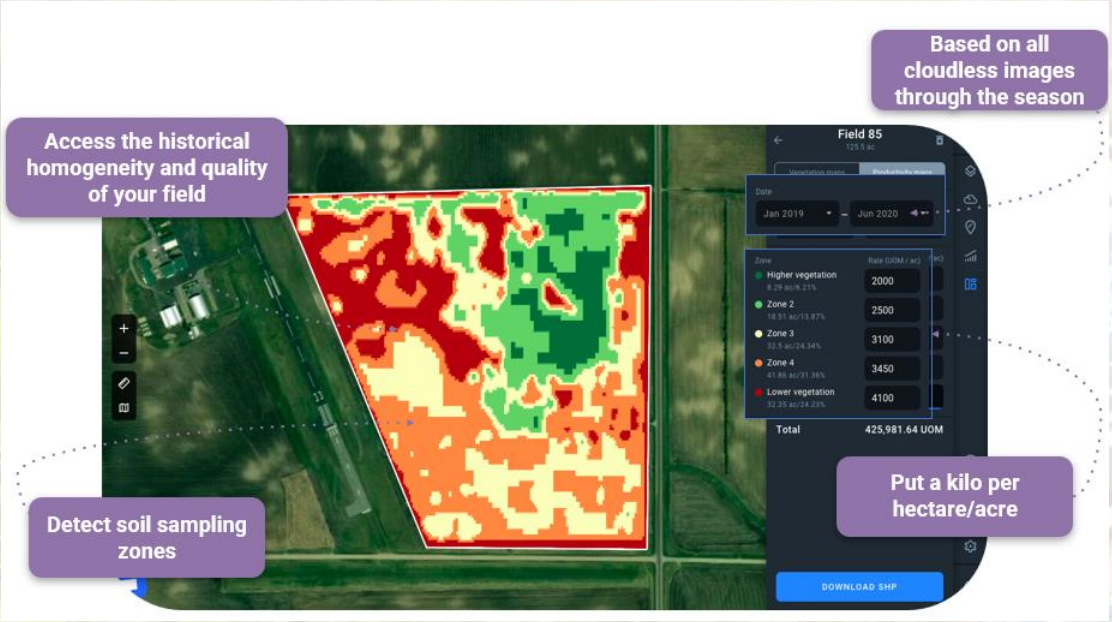
Access historical homogeneity of your field

EARTH OBSERVING SYSTEM



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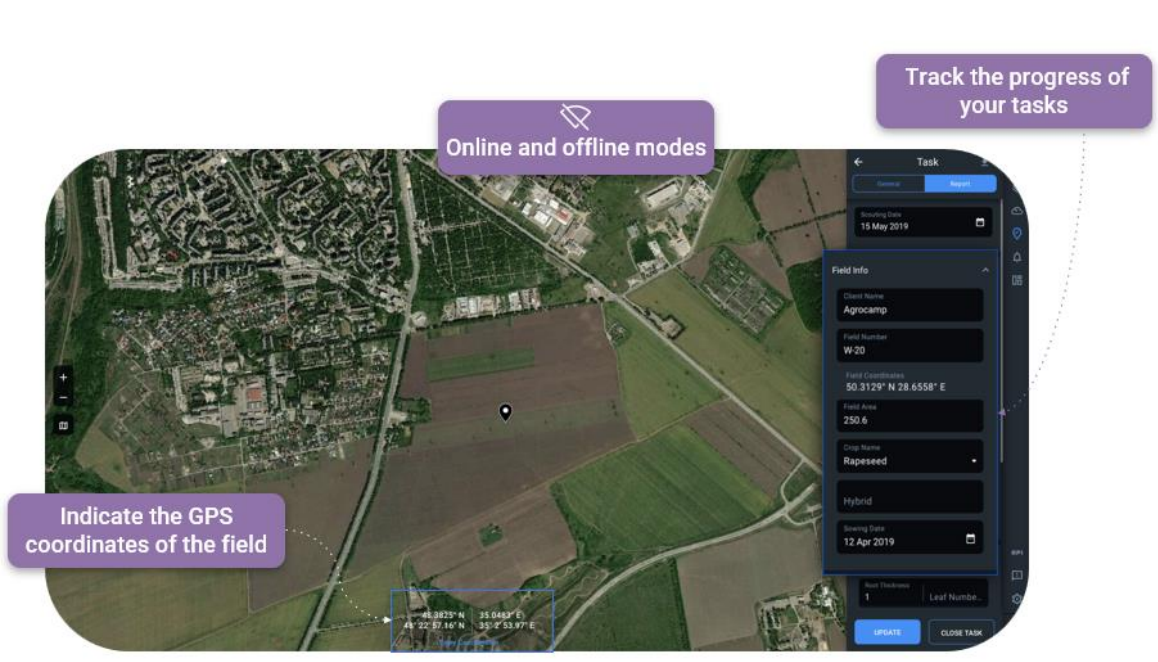
Scouting

EARTH OBSERVING SYSTEM



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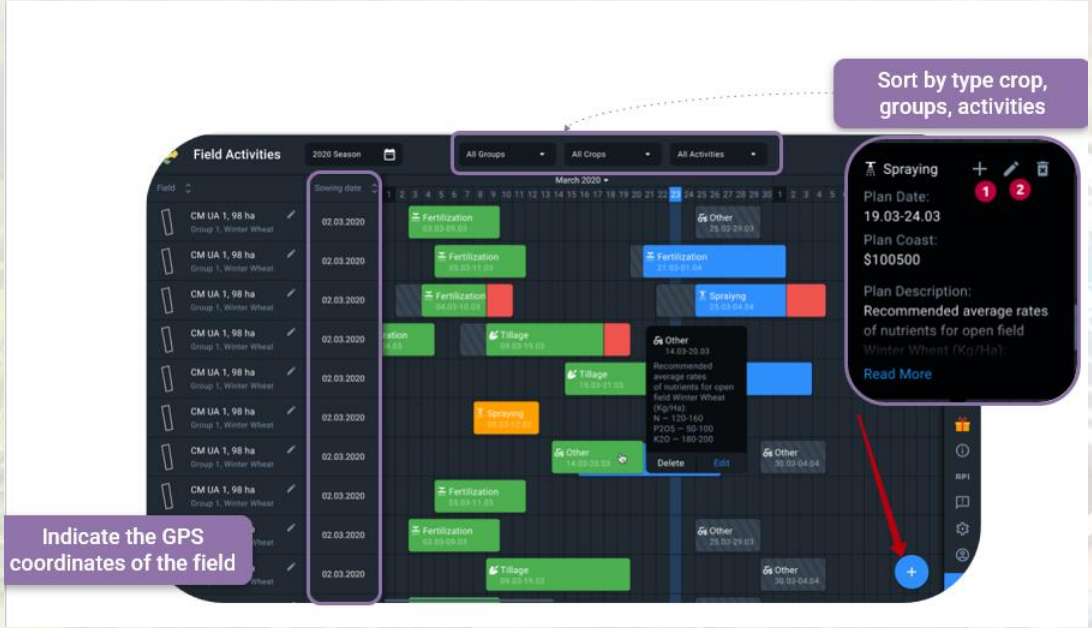
Vehicle Data Manager

EARTH
OBSERVING
SYSTEM



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EARTH OBSERVING SYSTEM

Benefits

- Cost-efficient entry into the smart farming trend
- Effective decision-making with satellite data
- Increasing profits from your fields
- Reduction of scouting costs
- Advanced problem-spotting within your fields
- Precise weather predictions
- Determine which are your most productive fields
- 24/7 access to your fields from anywhere at anytime

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THANK YOU FOR YOUR PARTICIPATION!

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