AGRIEYE

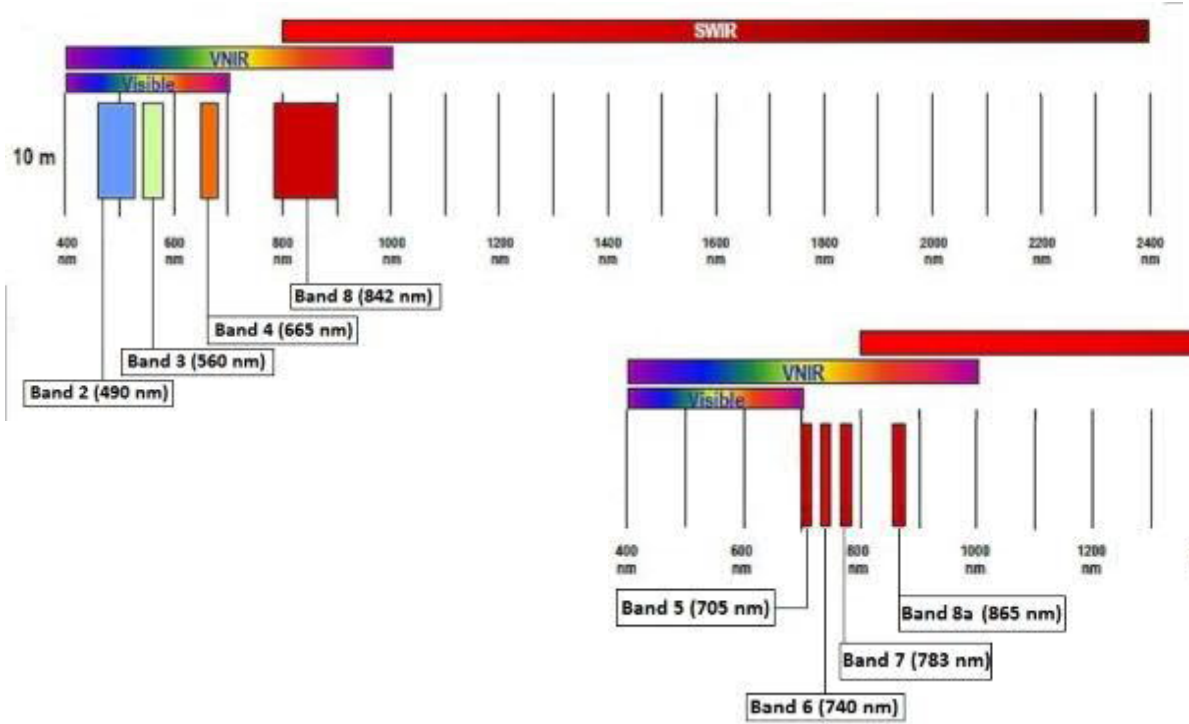
Basic Functional

Satellite near real time monitoring solution

We use:

- Copernicus satellites
- SMAP satellites
- NOAA - Weather service
- USDA - soil dataset
- US army DEM dataset

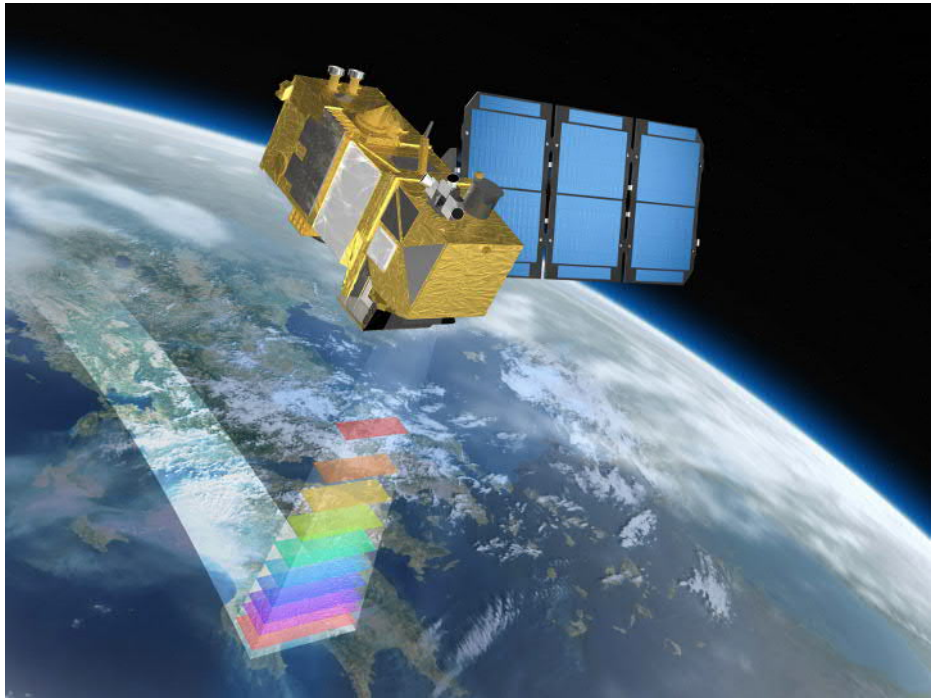
Copernicus system



We use Sentinel - high resolution spectral data

Copernicus system

With a special cloud and shadow reduction software we are able to use 90% of satellite images, which make it possible to get new image every 4 days



- NDVI, LAI, WAVI, SWI
- FAR (Fito active radiation)

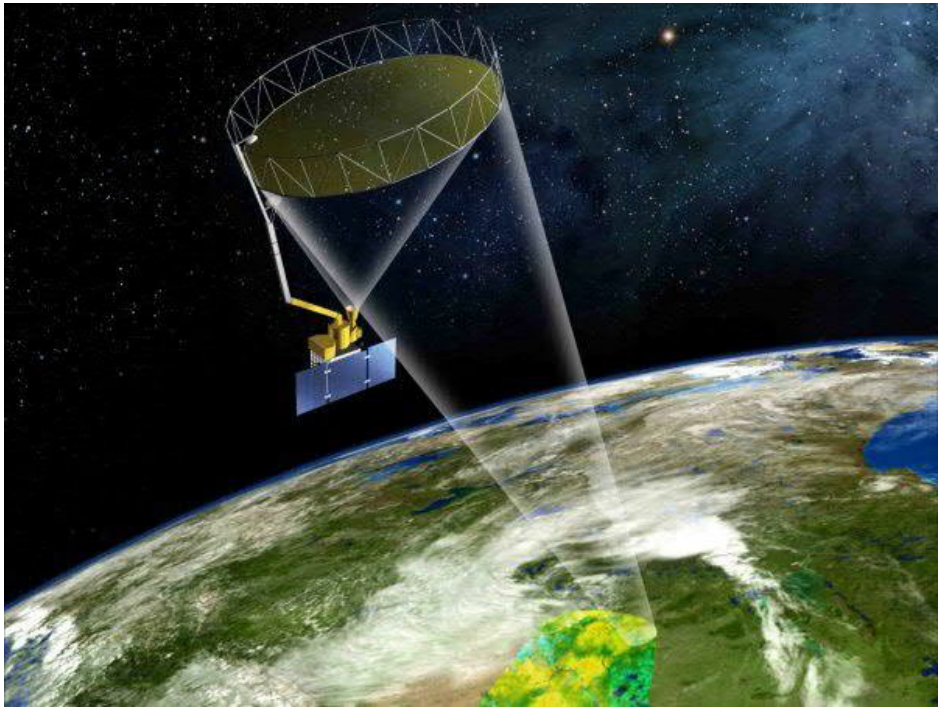
SMAP

SMAP - soil moisture active passive

Dual radiometry satellite capable to detect surface temperature in high precision, with special algorithms we can define soil humidity at

0-5sm 5-30sm 30-100sm and temperatures.

Data available daily regardless cloud cover.



NOAA

National Oceanic and Atmospheric Administration (US Department of commerce)

Best weather data and forecast available provides data coverage for entire globe with high resolution and Weather fact from more than half a million weather stations worldwide.

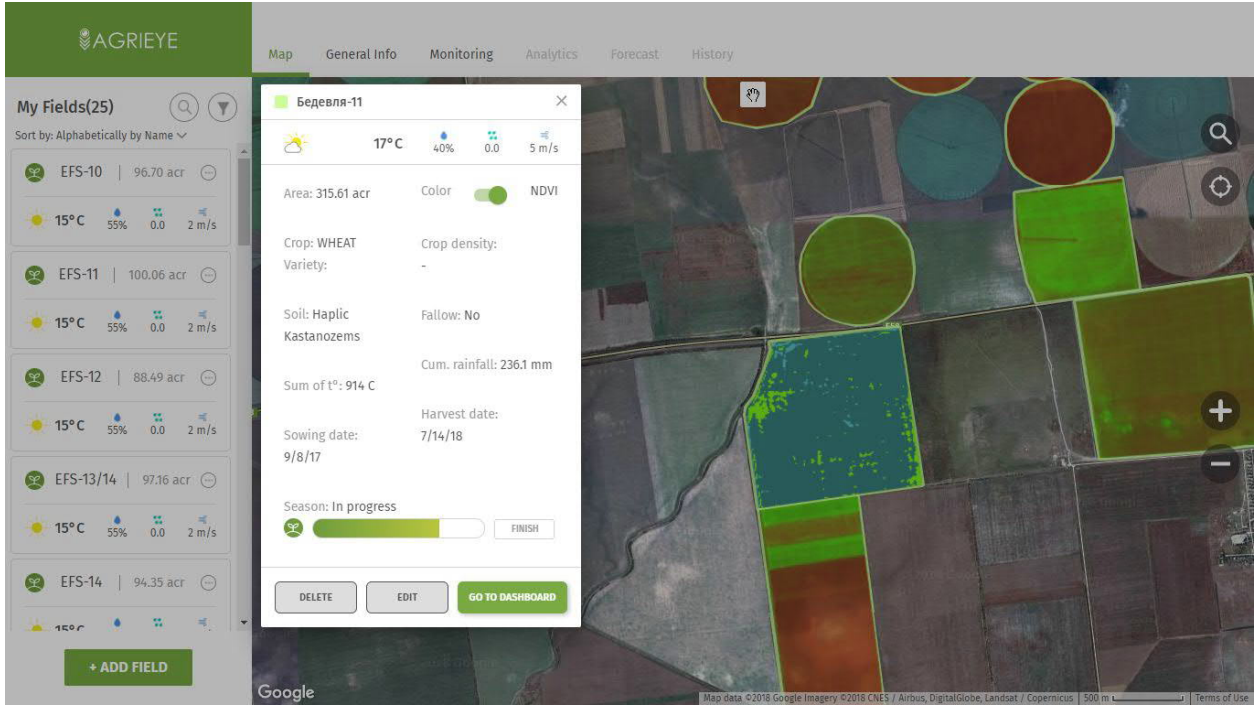
Agrieye Analytics

AgriEye provides detailed analytics on:

- Vegetation - NDVI, Historical data, field performance, changes in field performance
- Soil - humidity, humidity in time, soil degradation by historical data, soil productivity map
- Weather - weather analytics and statistics, forecast, fact

NDVI

Field overview in NDVI or Enhanced vegetation colors



last available satellite image

Enhanced vegetation

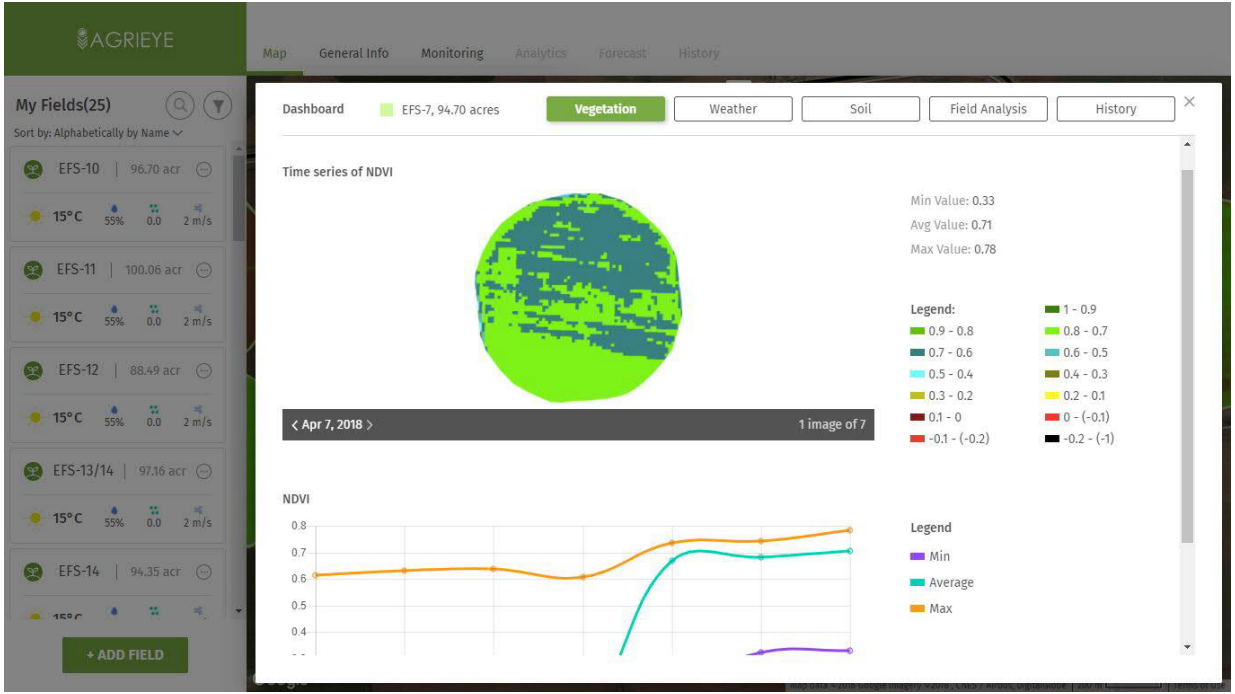
Enhanced vegetation color - highlights vegetation for better overview

Field Performance and Soil state

Indicates field performance through present and historical seasons, indicates tendencies in soil performance changs

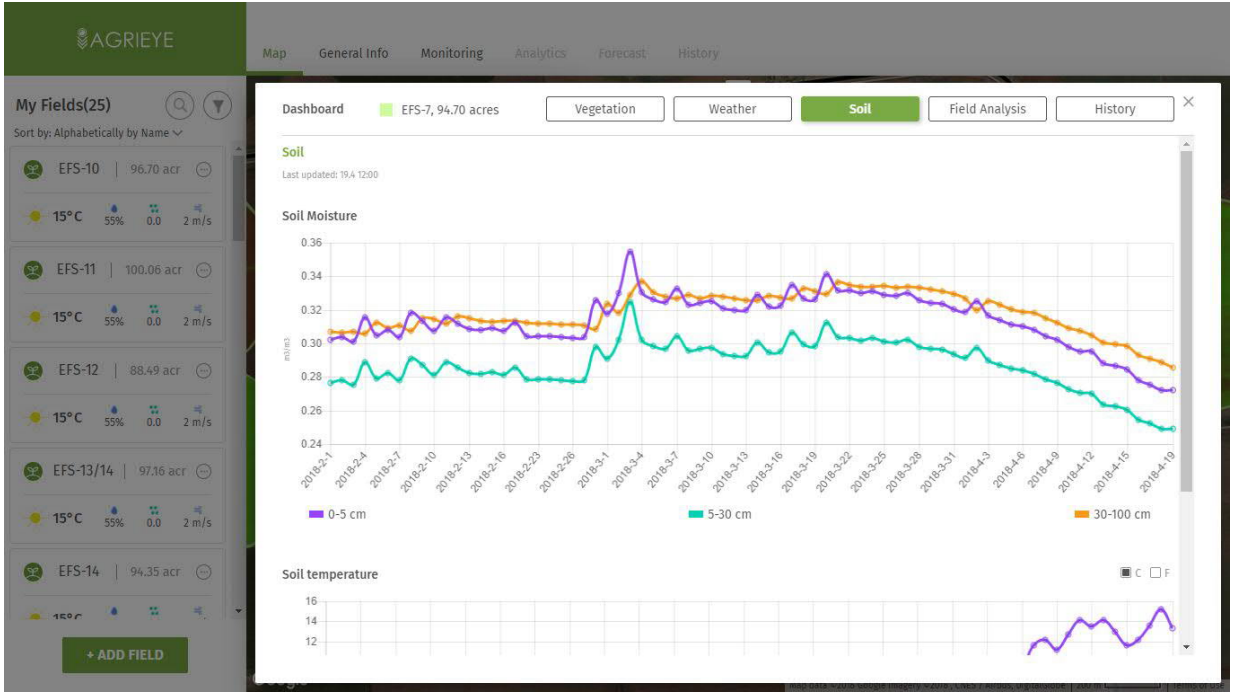
Historical data

Direct access to set of historical data for current field and analytics



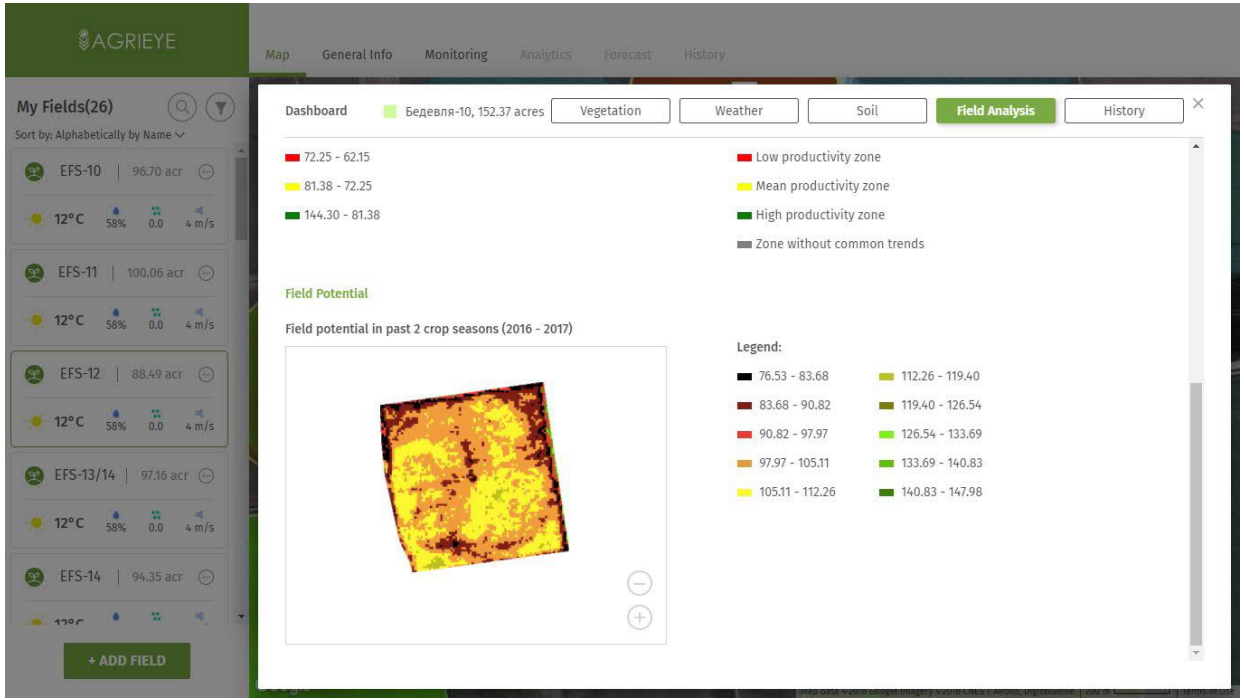
Soil humidity

Direct access to soil humidity and historical data for current field



Soil degradation by historical data

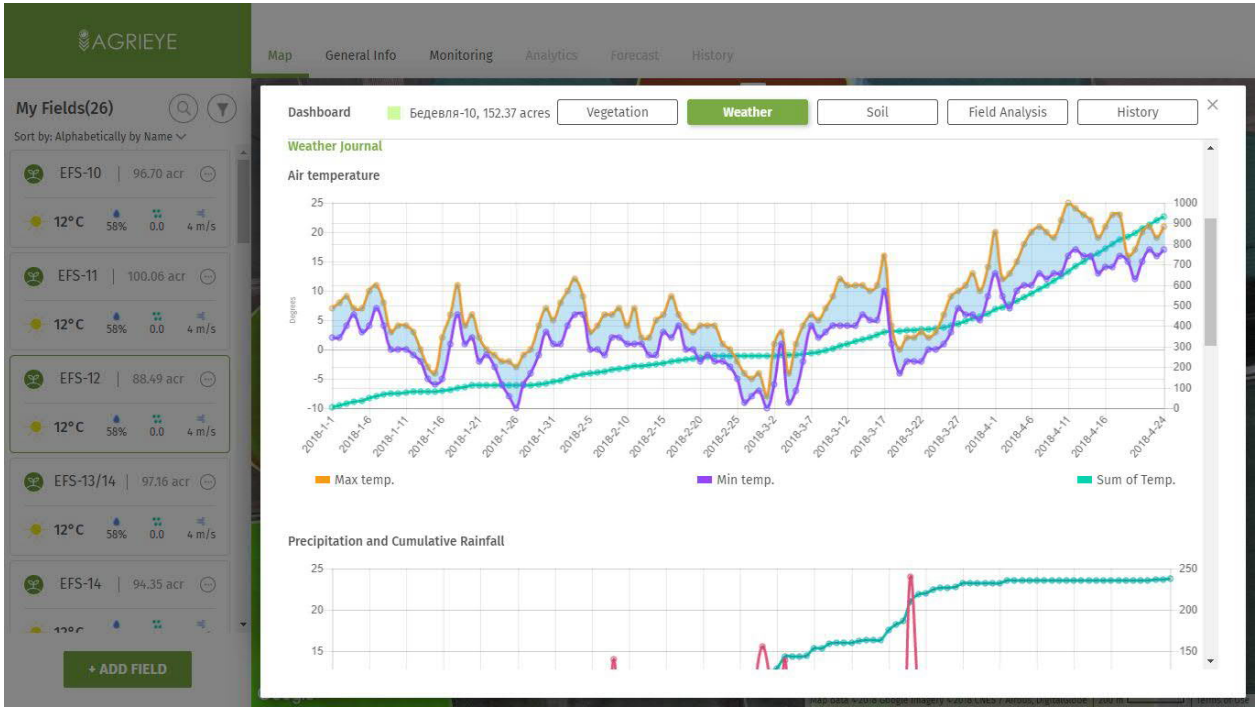
Total analytical map of soil potential in current season based on historical data up to 10 years in depth



Weather analytics

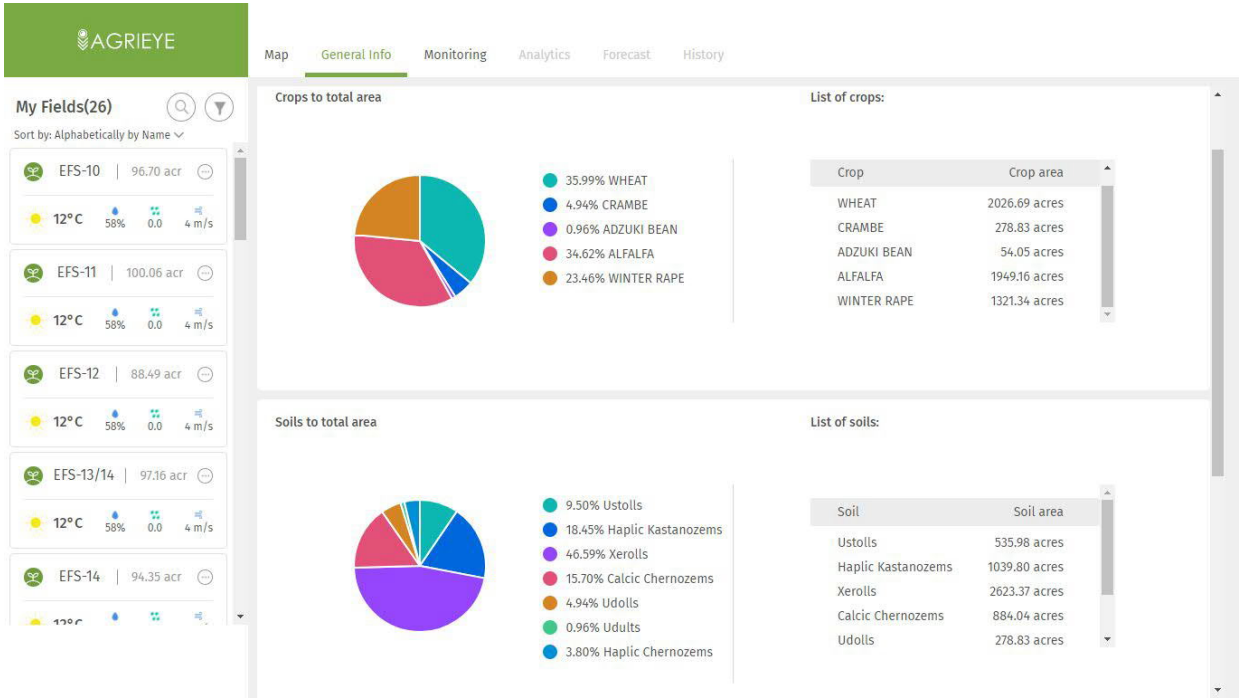
Weather journal with fact and accumulated

- temperatures
- rainfalls
- snow
- wind
- FAR



Statistics tool

General overview with build in analytical tool for comparing fields and crops through seasons



Integration with other systems

System is build on .NET framework with flexible API and can be integrated with any system of farm management accounting or ERP on the market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