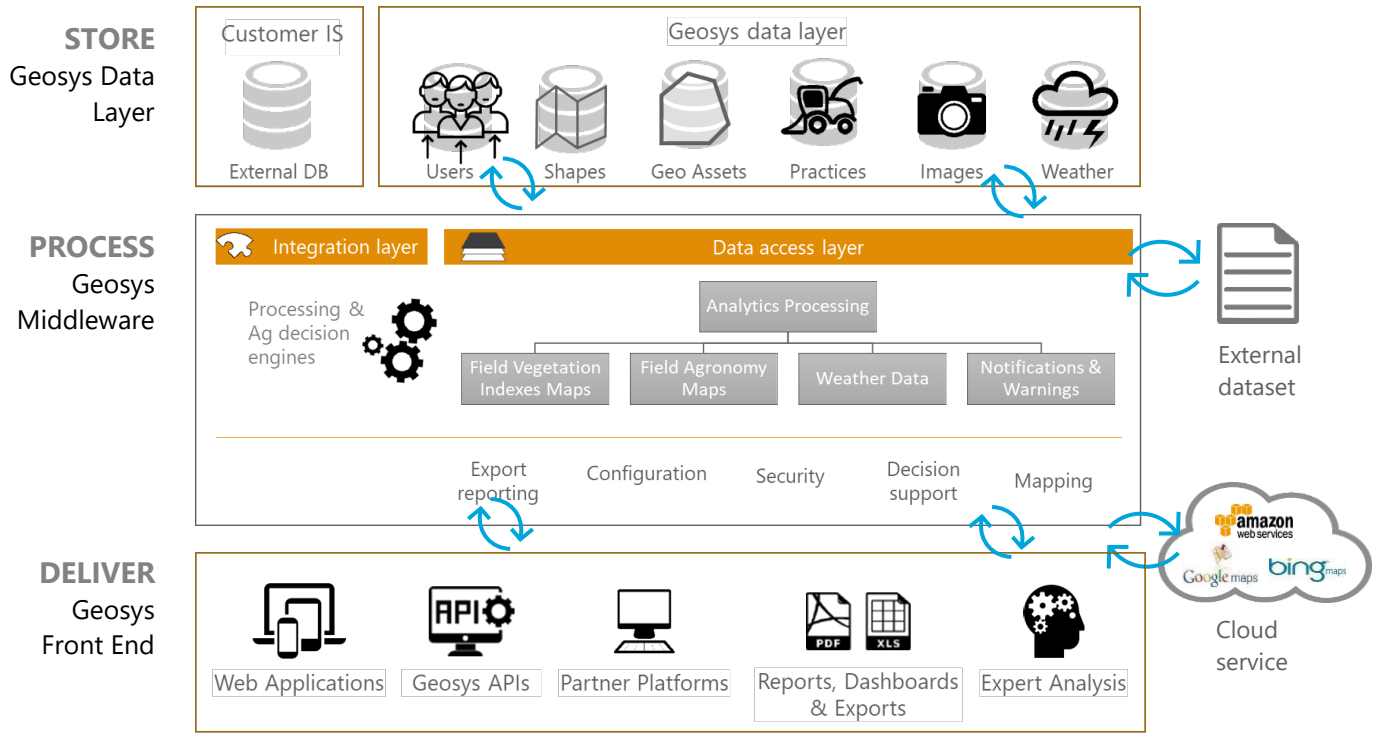
ANALYTICS CAPABILITIES OVERVIEW

THE GEOSYS PLATFORM



ANALYTICS

Below is an overview of the analytics currently available.

Field Vegetation Indexes Maps

- NDVI *(Normalized Difference Vegetation Index)*, EVI *(Enhanced Vegetation Index)*, CVI *(Chlorophyll Vegetation Index)*, GNDVI *(Green Normalized Difference Vegetation Index)*, LAI *(Leaf Area Index)* and more.
- Color composition maps: True and False colors maps used to visualize vegetation cover.
- Vegetation Time series: vegetation growth measured daily
- Burnt crop index

Field Agronomy Maps

- Yield Variability and Yield Goal Map
- Organic Matter Map
- Satellite derived Management Zones
- Elevation and slopes map
- Nitrogen application maps (for wheat, barley, canola and more)
- Field Variability indicator

Weather Data

- Multi-model dataset covering historical, current weather and forecasts
- Several aggregation levels: admin unit, small ag region and location based
- Ag parameters: temp min, max, average, rainfall, wind speed, humidity, snow depth, atmospheric pressure, soil moisture and temperature Precipitations (Daily)

Notifications & Warnings

- New satellite image notification
- Difference map with change detection
- Fields benchmarking
- Vigor status change
- Agro climatic alerts
- Crop emergence date
- Harvest date
- Crop flowering date

Delivery Channels

Web Applications

Geosys provides ready-to-use applications or can build tailored applications for specific business needs – from white label offerings to complete custom builds.

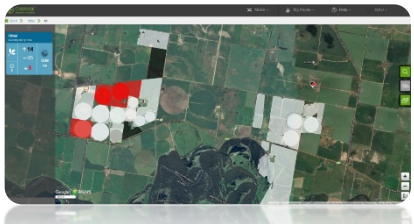
Croptical® MONITORING APPLICATION

Provides daily decision support with fast access to comprehensive field data.

- Benchmark performance
- Target scouting efforts
- Identify opportunities to protect and maximize yield potential

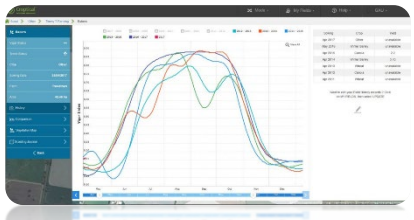
Powerful grower-support tool offering daily insights.

- Monitor day-to-day field performance with daily satellite and weather updates
- Prioritize scouting, testing and field operations by quickly identifying farms and fields performing above average, average or below average
- Use best-in-class field variability maps to take a closer look at fields
- Identify opportunities to protect and improve yields as the season progresses



Scout smarter with field benchmarking and support app.

- Take bias out of the equation – fields are objectively benchmarked using only real physical measurements from satellite data
- Intuitive interface makes discovering crop conditions fast and easy with field variability maps
- Croptical® In Field mobile application provides access to data on-the-go with a scouting app that records notes and pictures



Quick, easy access to historical satellite and weather data.

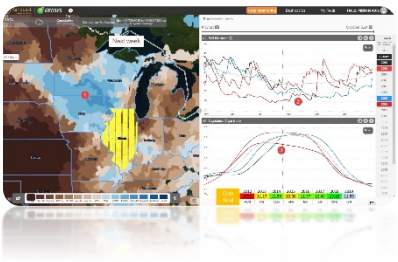
- Access Geosys' extensive archive to compare performance of a field against previous years
- Track crop health from previous years as compared to actual yields
- Evaluate current weather data and patterns compared to past seasons

Comprehensive crop intelligence tool that enhances the understanding of production risk by combining satellite data on crop conditions with weather data.

Agriquest GLOBAL MONITORING

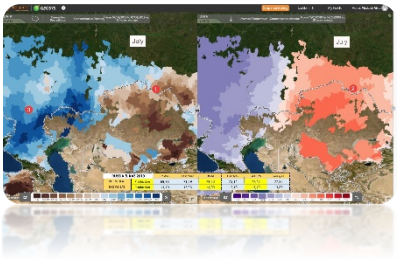
- Manages exposure to risk and help businesses maintain a competitive edge
- Improve operational efficiency
- Access accurate, real-time data
- Leverage local analysts

An unmatched analytical engine.



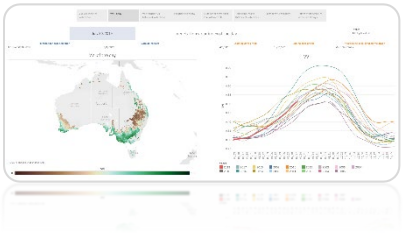
- This interactive tool provides visual data for a more efficient analysis
- Provides objective, unbiased data with tailored analysis for a competitive advantage
- Compare what's happening now to Geosys' extensive, historical database
- Monitor weather events with the ability to see the impact on crops

A comprehensive business solution for global crop monitoring.



- Monitor changes in weather events over any specified time or location to analyze risk and geographical spread
- Daily updates for real-time results
- Archives include instantaneous access to 20+ years of weather data and 15+ years of daily satellite data
- Access aggregated data on consistent zones for comparisons with visual data
- Quickly compare location to historical average, analog years and extreme years

Easily tailored for specific business needs.

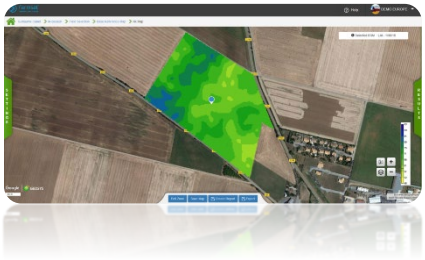


- Customized aggregation levels to quickly analyze fields of interest
- Personalized dashboards provide a high level of flexibility with specific insights on indicators
- Ability to create potential scenarios and monitor risk more efficiently by combining maps with risk criteria to visualize data for a specific region.

Farmsat® MAPPING APPLICATION

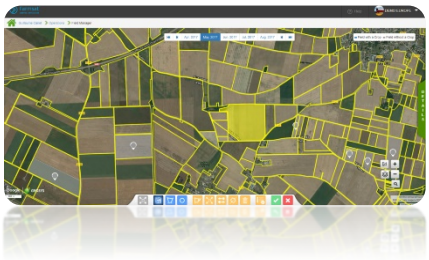
Transform your precision agriculture program with an easy-to-use, customizable and industrialized solution

- In-season and historical field variability maps
- Focused management zones
- Variable-rate application maps



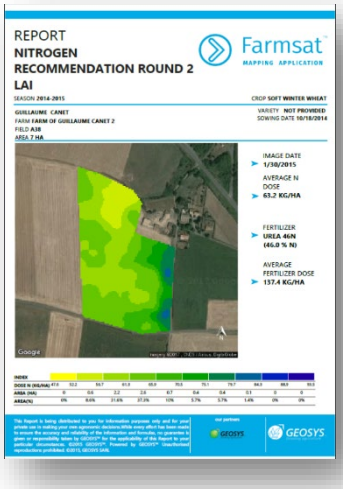
Optimize input placement and increase return on investment

- Put the right input, in the right place, in the right amount by analyzing past and in-season field behavior
- Access multiple years of biomass field variability to define management zones
- Improve soil, tissue and grain sampling plan with unbiased data
- Target nitrogen application based on crop needs and increase input efficiency and field productivity



Streamline your precision agriculture program with powerful, intuitive tools

- Access an industrial solution and create variable-rate application maps for complete farms in one shot
- Be a trusted advisor by providing precise and actionable recommendations
- Customize to fit your local needs



Deliver best-in-class customer support with proven technology

- Use decision tools to create maps, reports and exports in real-time
- Access the latest data throughout the season and identify sales opportunities
- Access a field's history before meeting with a grower
- Develop value-added services to build customer loyalty

Geosys API

Geosys APIs provide a direct connection to agriculture specific analytics flow, giving business the advantage of:

- **Speed and Efficiency** by partnering with businesses to easily integrate data into their solution, and help improve their service portfolio with embedded, high-quality analytics within days.
- **Scalability** through the power of the Geosys Platform, businesses have instant access to satellite imagery and weather information for agriculture areas across the globe – updated daily.
- **Flexibility** to optimize data flow with group calls and multiple filtering options for complex requests – data is delivered to serve the business needs.

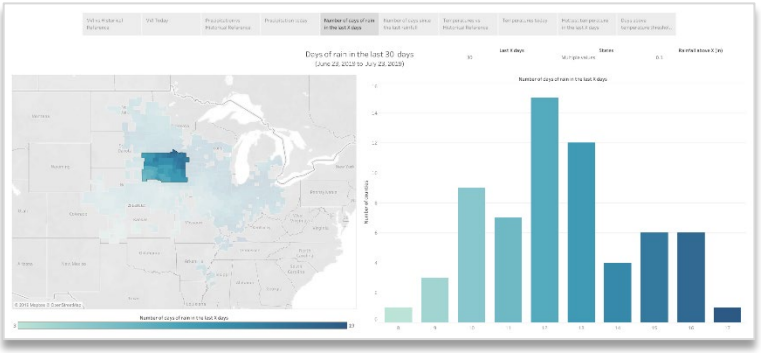
Partner Platforms

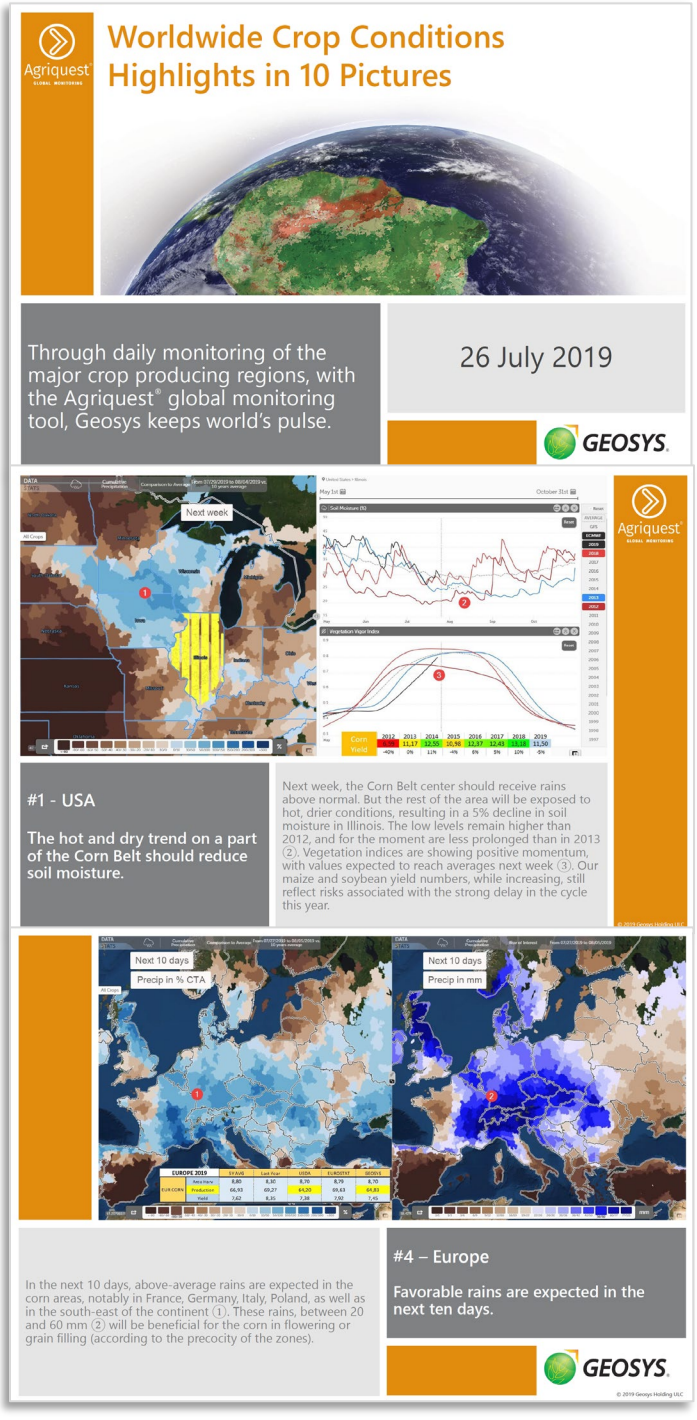
Geosys provides access to its analytics through a variety of trusted third-party platforms such as QGIS, John Deere Operation Center, Invivo and more.

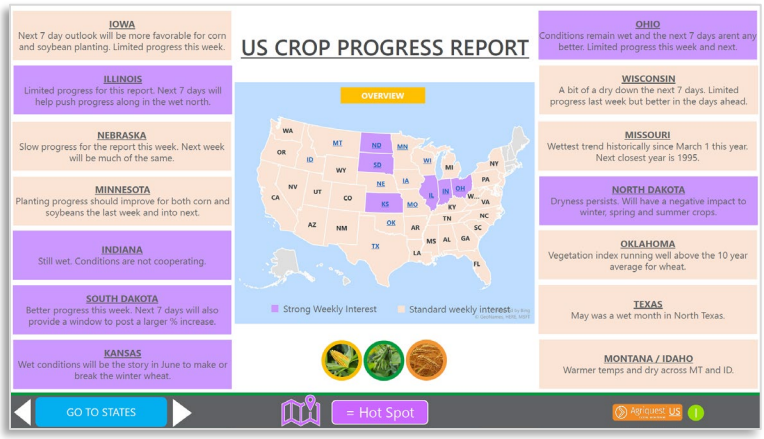
JOHN DEERE
OPERATIONS CENTER
CONNECTED

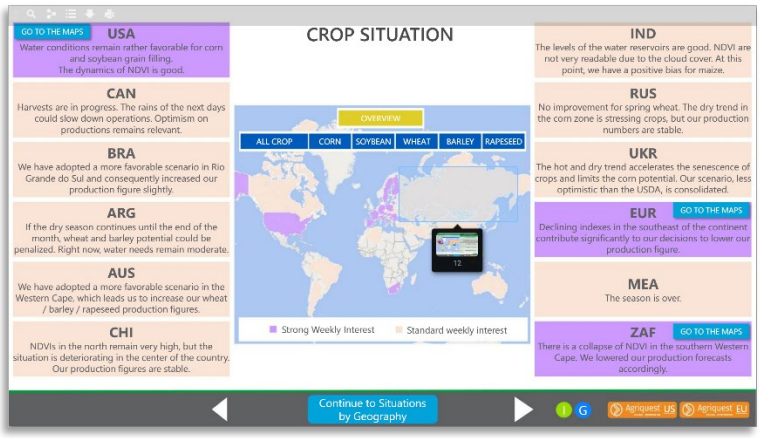
Reports, Dashboards & Exports

Geosys provides easy access to the required business analytics – when and how they are needed most. Analytics can be delivered through any of our standardized reports, dashboards or exports, or customized version can be created to best meet the needs of a specific business operation.









Expert Analysis

Geosys crop analysts provide business insights needed by combining global monitoring with local expertise.