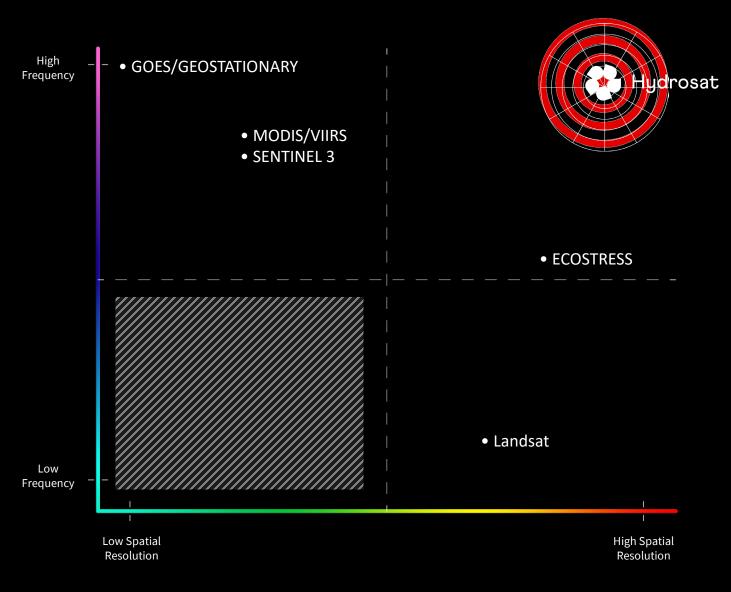




Demand for high resolution, high frequency



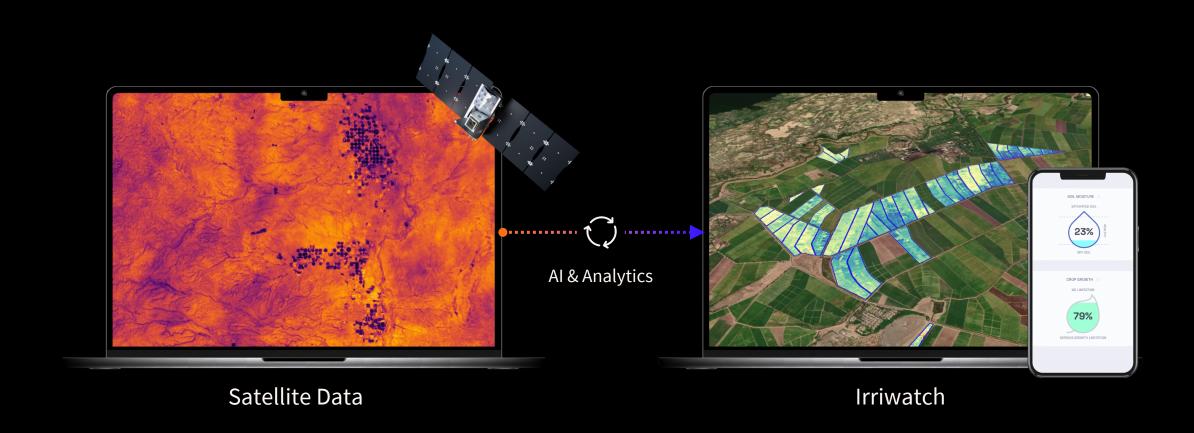


High spatial and high temporal resolution fills a longstanding gap in the EO industry for users across agriculture

Global coverage, always-on

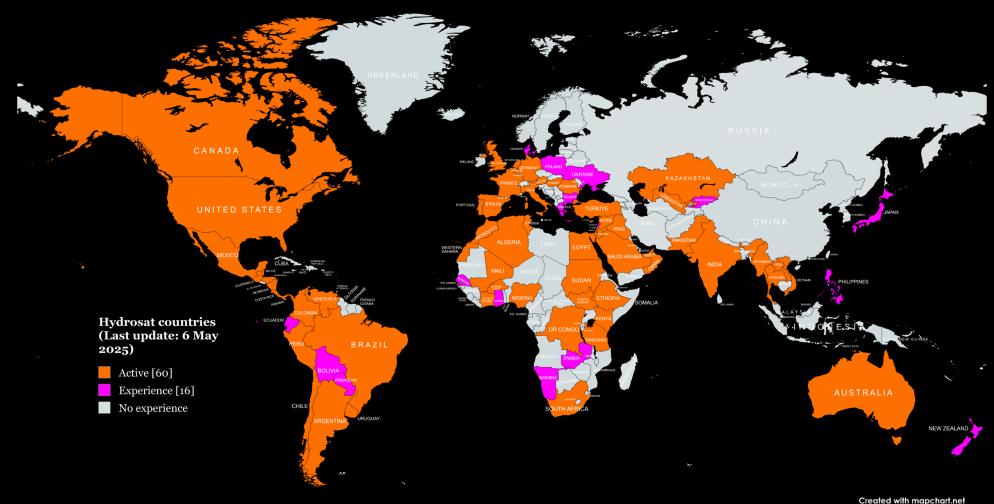
Constellation will provide the most complete record of Earth's surface temperature variability to date

Satellite Data and Water & Crop Solutions for Sustainable Agriculture

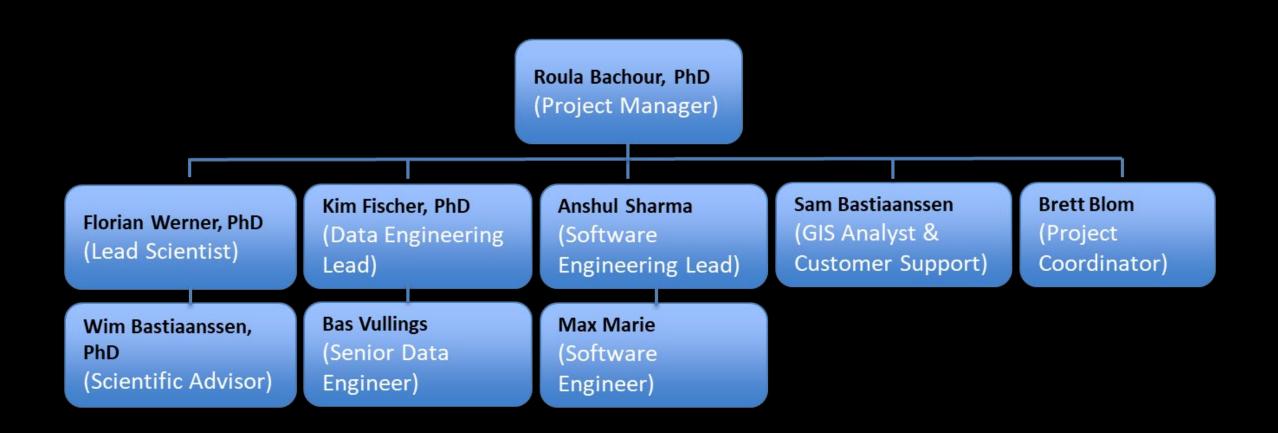


Our solutions are used on more than 4 million acres of farmland, covering over 120 crop types in 60+ countries worldwide





Project Organizational Chart



Irriwatch Founder / SEBAL

Wim Bastiaanssen, PhD (Scientific Advisor)



Globally renowned expert in remote sensing and water resource management.

Among his most notable achievements is the development of the Surface Energy Balance Algorithm for Land (SEBAL), which revolutionized remote sensing by enabling the precise estimation of evapotranspiration and energy fluxes at field and regional scale.

He has also founded multiple remote sensing companies, including WaterWatch, eLEAF, CropZoomer, and IrriWatch.

Dr. Bastiaanssen holds a Ph.D. in Agro-hydrology, Soil Physics, and Groundwater Management from Wageningen University. He has over 26,000 citations to internationally peer reviewed journal papers (as of January 2025).

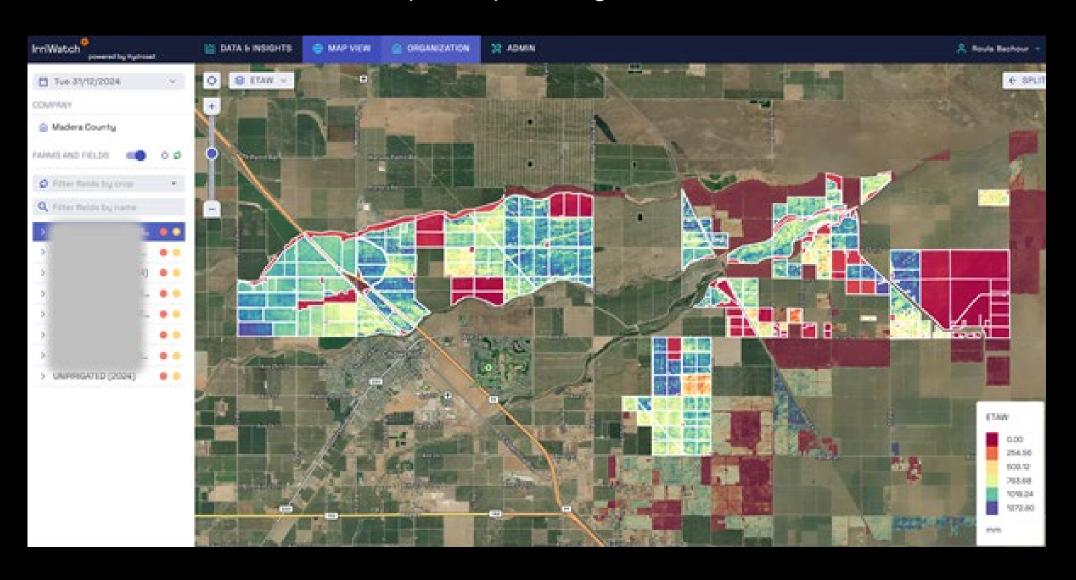
Irriwatch History with Madera GSAs

Over the past 5 years, we have closely worked with Madera County GSAs to provide our satellite measurement services for calculation of water use based on evapotranspiration from applied water (ETAW). This concept has been tailored to respond to the requirement of the county.

We have tailored our product, web portal, and API output to best serve the requirements of Madera County GSA(s) and its growers.

Working alongside the GSAs, we've made model improvements and aligned the methodologies to make sure the different measurement methods for growers are comparable. In addition, we have revamped our web portal to make it as easy to navigate and quickly gain value.

Overview of One Sub-Basin from the County Level (pixel maps showing ETAW)

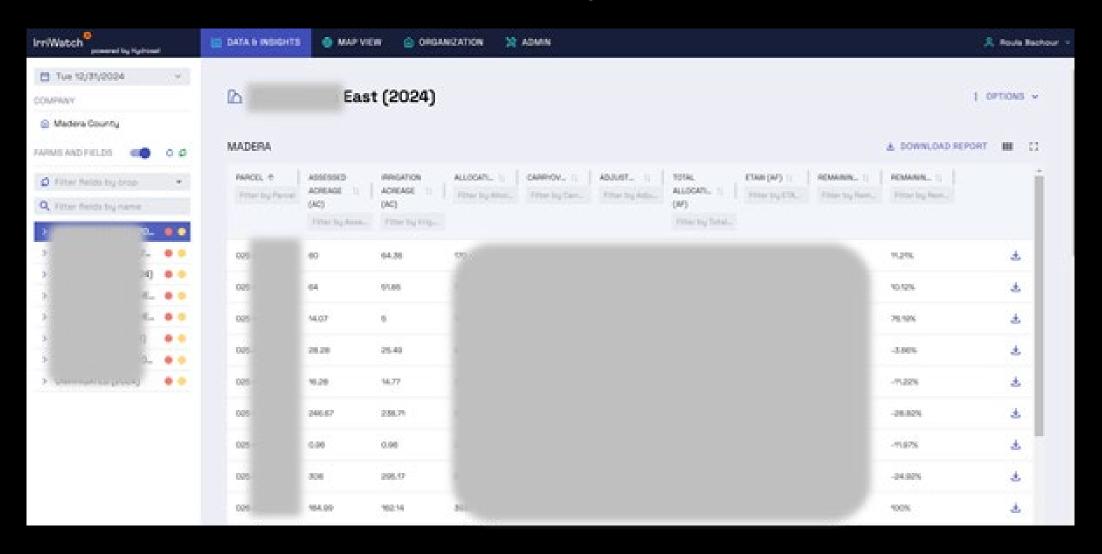


Deliverables

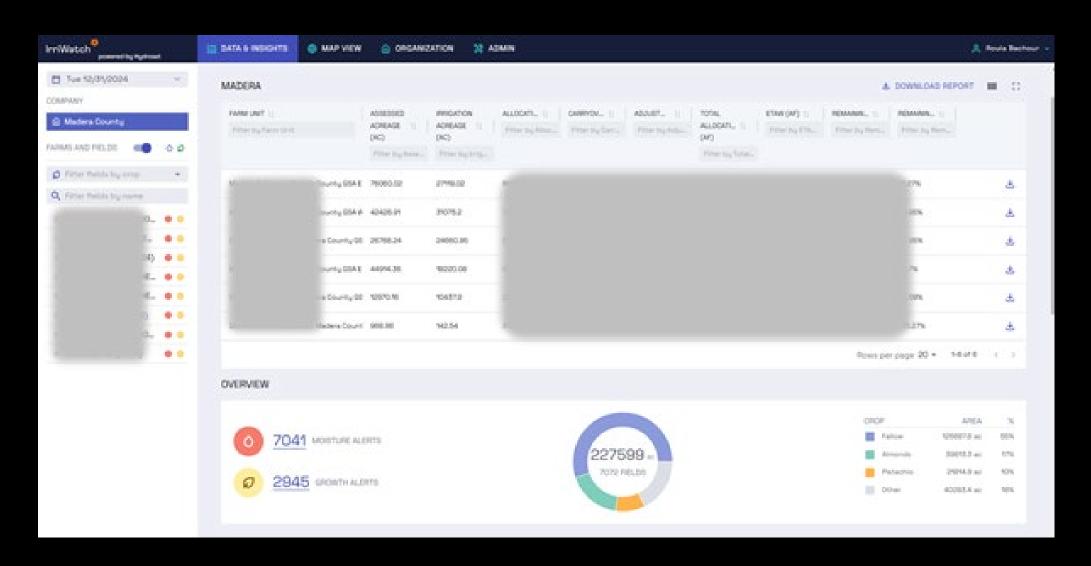
- 1. Annual update of the land use raster files which will be also aggregated to parcel-field level to determine the majority crop of each parcel-field.
- 2. Daily ET and ETAW raster files at 10-meter spatial resolution (real-time via portal and API).
- 3. Monthly ET and ETAW raster files at 10-meter spatial resolution (provided within 1 week of the end of each month).
- 4. Daily precipitation data provided at field level (real-time via portal and API).
- 5. Monthly precipitation maps at 10-meter spatial resolution (provided within 1 week of the end of each month).
- 6. Full implementation of a tailored version of the IrriWatch platform.

Overview of Each Sub-Basin with Budget Tables Updated on a Daily Basis

(downloadable PDF reports for each parcel generated at the end of each month)



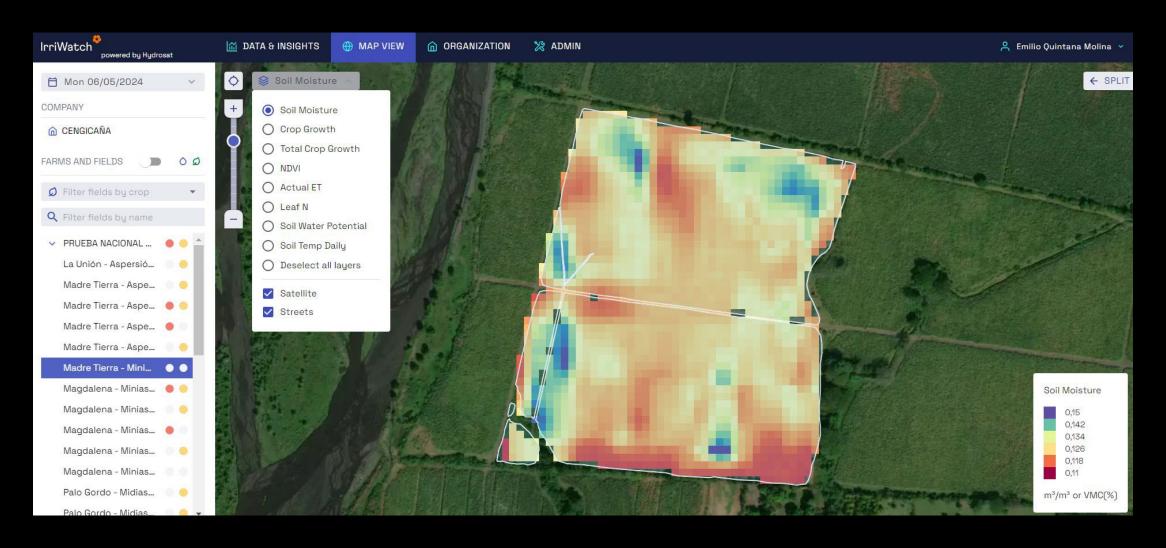
Overview of all County Sub-Basins and Budget Tables

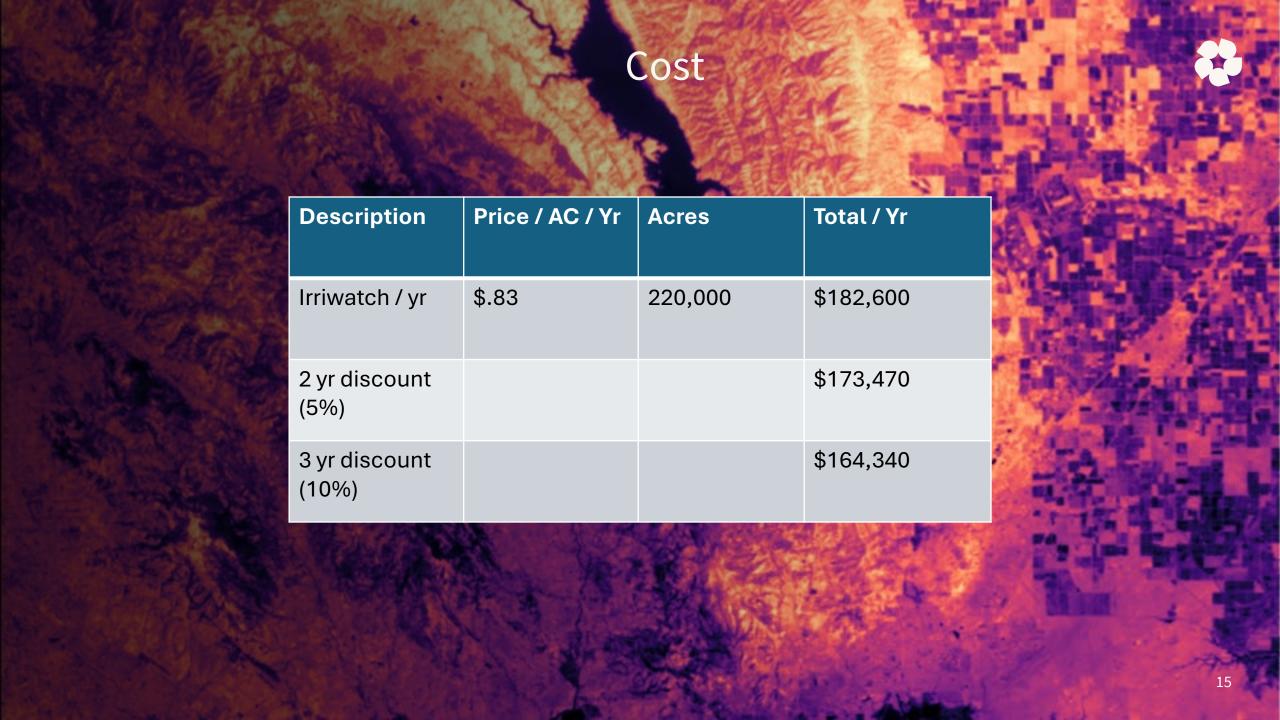


Highlights

- Hydrosat collects ET and precipitation on a daily basis, then provides a monthly summary. This daily collection increases accuracy as there is minimal interpolation.
- Farmers can use the application to help farm better, at no additional cost. Growers in California, and globally, are using this information to manage their irrigation, identify problems, scout, understand nutrient deficiencies, etc.

Irriwatch – Helping Farmers Make Better Decisions







Thank you

Brett Blom Bblom@hydrosat.com