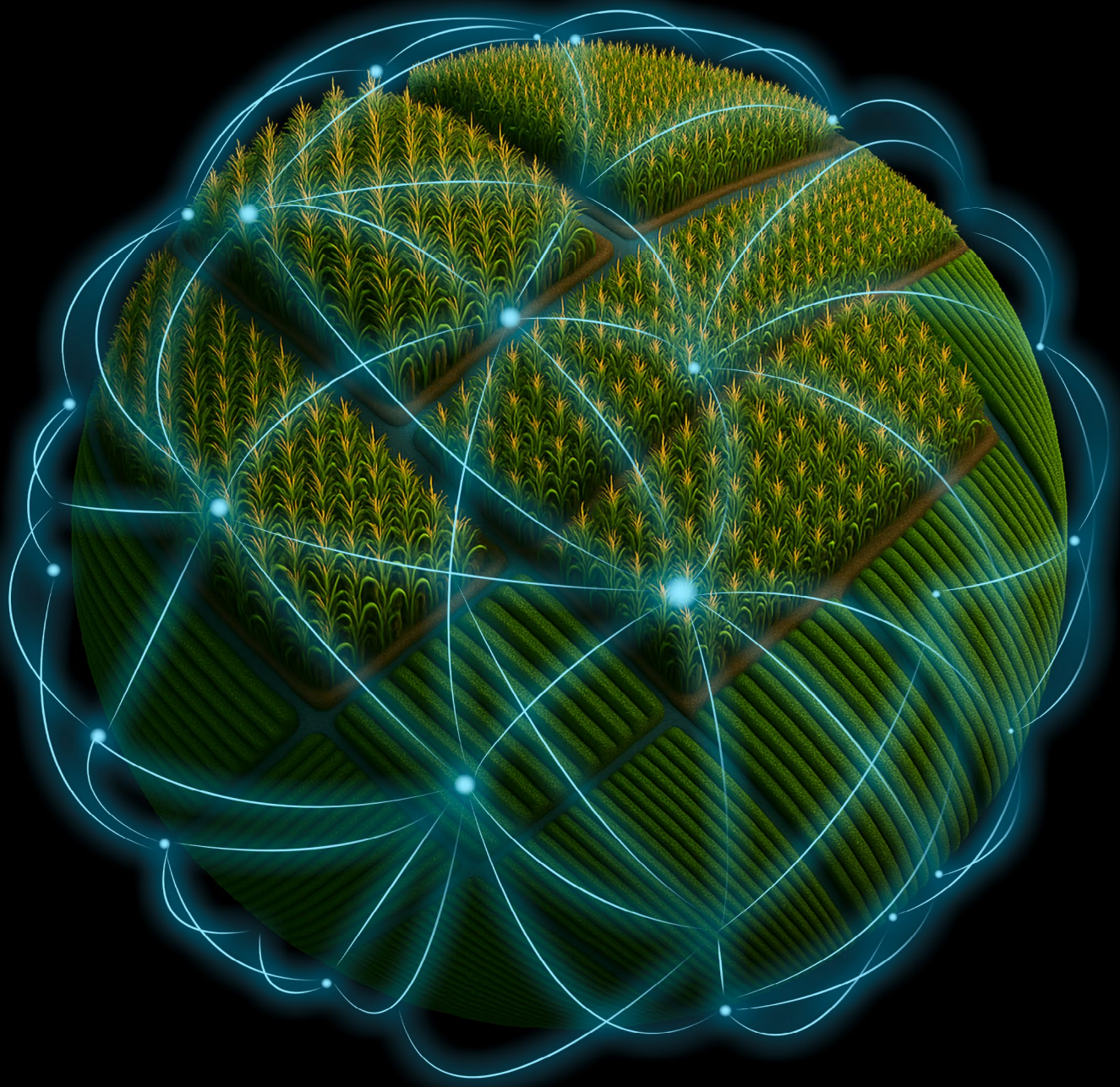
HydroMet



datasphere

Irrigation Recommendation Module.

KISTERS

Empowering decisions of tomorrow

Turn forecasts into smarter irrigation decisions.

Water scarcity and unpredictable weather challenge modern agriculture. KISTERS datasphere – environmental intelligence, connected and simplified – turns ET data, forecasts, and soil conditions into clear, actionable irrigation insights.

Get crop-specific recommendations to boost yields, save water, and reduce costs, with the Irrigation Recommendation Module.

Efficient. Predictive. Tailored to You.

Optimise water use with advanced evapotranspiration models (ETa, ETc, ETo) and localised, crop-specific forecasts up to 7 days ahead.

Make data-driven decisions by integrating live soil moisture, precipitation, and plant health sensor data directly into your dashboards.

Avoid over – or under-irrigation with precise, crop and region specific recommendations based on soil type, growth stage, and irrigation method efficiency.

Test different scenarios using flexible simulations to optimise irrigation schedules and reduce costs.

Stay informed with customizable dashboards and irrigation reports.

Powered by datasphere

Irrigation Recommendation & Decision Support Module.

Includes:

Irrigation Forecast Software
+ ETa Sensor Integration
+ Configurable Alarm Module

Highlights:

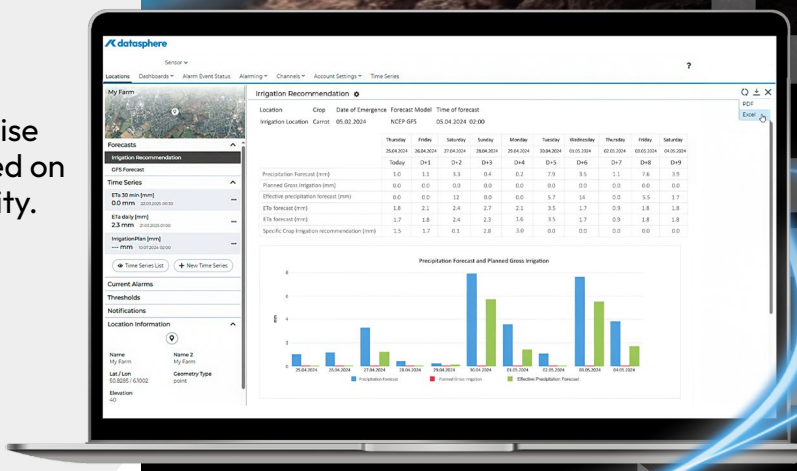
Highly specialised forecasts that are crop-specific.

Calculates **precise water balance** for smarter irrigation decisions.

ETa-based irrigation forecasts tailored to crop, soil, growth stage, and irrigation method efficiency.

Simulates 'what if' scenarios to optimise irrigation timing and resource use based on forecasted rainfall and water availability.

Supports data-driven strategies to reduce crop stress, conserve water, and lower operational costs.



Ideal for:

Farmers, agribusinesses, cooperatives, and water managers seeking sustainable, efficient farming practices.

Discover this product

“

Smart irrigation is not just about saving water – it’s about improving yields and protecting long-term agricultural success. Our specialty Module brings clarity to complex decisions with the crop-specific intel that helps you irrigate exactly when and where it’s needed.

Johan Jaques
Chief Meteorologist & Agri Solutions Lead
KISTERS AG

Other products of interest.

Want a quick, reliable way to assess plant stress and optimise irrigation in real time?

FieldRay

Your portable field assistant for plant health monitoring.

Discover this product

Includes:

AgroMet station + Soil sensor
+ Irrigation monitoring system
+ IoT Data logger
Powered by datasphere

Instant plant health insights with advanced optical sensors for smarter irrigation and fertilisation – right in the field.

Track health trends over time to improve planning; lightweight, portable design fits any field condition.

Frost Risk Module

Effective irrigation planning requires accounting for frost, which slows both plant growth and water uptake.

Discover this product

Includes:

Frost Risk Forecast Software + Configurable Alarm Module.

Get tailored frost forecasts by crop, soil, growth stage, topography, microclimate-powered by global models with up to 5-day lead time.

Act confidently with FAO-based thresholds, visual risk maps, alerts, and support fordiverse crops in any region.

HydroMet

Irrigate smarter. Save water. Grow better.

With datasphere Irrigation Recommendation Module.

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Who are we?

We're KISTERS – and for over 60 years, we've specialised in helping our customers collect, analyse and share the environmental data that will shape the future.

Through innovative, digitally-focused solutions, we develop advanced systems that enable our customers to capture and manage information at a higher quality than ever before. So they can make the solutions our world needs to thrive.

Watch recorded Demo

Contact Us

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