

Water Information Systems KISTERS

revealing **more insight** & powering **sustainable water data management** via **scalable, configurable enterprise software**

For 30+ years, WISKI has empowered agencies & organizations of all sizes to manage high-frequency time series and meta data pertaining to water, weather & environment.

The two-in-one database & analytics platform consolidates diverse data formats & sets from an array of sources, automates QA/QC and increases access to a wealth of analytical tools for visualization, editing & advanced analysis.

A modular approach ensures your organization has applications within a system that meets your unique needs.

APIs ensure that users have options to view, analyze & share data from existing SCADA or PLC, GIS, document management systems, etc. within IT ecosystems.

Implementations include hosted, hybrid in addition to on-premise to meet cybersecurity specifications.

WISKI Modules



Discharge Measurements
Rating Curve Development



Water Quality



Telemetry + Data Acquisition



Biology / Ecology

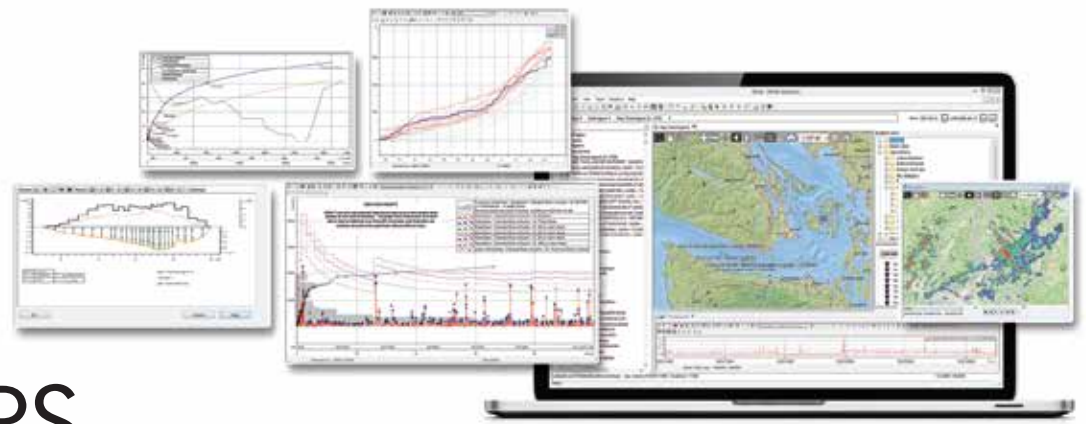


Alarm Manager



FieldVisits Tool

*Information is made
report- and model-ready,
maximizing value derived from
monitoring efforts as well as
open or commercial data.*



for comprehensive understanding of your water data

Highlights



User Administration

Easily define and assign data access rights, roles and privileges. The n-tier architecture ensures flexible access to relevant datasets & tools for all roles in your data workflow, from field staff to system administrators.



Analysis & Modeling

Preloaded with time-series data analytics, stats, graphing & interpolation options and rating curve methods. Directly link to external models developed by the USGS, USACE, USEPA or by custom code.



Data Import / Export

Unlimited data storage supports automatic & manual import of data from telemetry, ADCPs, sensors, in-field mobile apps as well as control systems, GIS & other database technologies. Migrate historical datasets.



Reporting

Select from a library of standard reports on varying time scales, water quantity statistics, water quality parameters & exceedances. Customize routine or ad hoc reports using filters, visualization & color-coding options.



Quality Assurance / Quality Control

Automate import with alerting options and a full range of validation, editing & estimation algorithms to data confidence levels. Define & apply up to 250+ color-coded quality flags. Access & query audit trails on activity, users, dates, timestamps, or remarks.



Online Data Sharing & Publishing

Make approved data discoverable & accessible to approved stakeholders, internal or external, via web services. Present data, statistics & data products as graphs, charts & maps within a web browser. Enable data consumers to query, filter & download files.

Most Common Use Cases

- surface water measurement
- ground water measurement
- water quality monitoring
- hydrometeorology analysis
- flood warning & event analysis
- irrigation water budgeting
- reservoir operations
- hydropower generation planning
- dam safety monitoring
- drought/water supply planning

Water service delivery & planning rely on source water measurements often taken over decades. Water resource information stored in spreadsheets or Access databases incurs growing costs over time as staff may hunt down the most recent files, redo QA/QC when data seem questionable & perform IT troubleshooting. Now telemetry and sensors also

capture more data than ever. A centralized, scalable solution helps manage past, present & future water information. Automated storage, validation, calculation & reporting on continuously collected data allow for more collaboration as staff with confidence can review the same data used to forecast water balance & demand, in the near- and long-term.

keeping data & and water flowing



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