esdat
by Earthscience Information Systems

Helping you do what you want with your data.

Data Management System for Environmental Professionals

A better way to manage all your environmental data needs.

ESdat is an intuitive and user-friendly solution that helps environmental scientists and engineers manage a wide range of environmental data. ESdat compiles data from laboratories, field programs, data loggers, sensors, historical sources, and environmental standards. All in one place.

With ESdat, you can more efficiently analyze, report and share data while ensuring the highest level of quality control. ESdat supports rapid map-based querying as well as the generation of a diverse range of standard reports, such as comparison tables, time-series graphs, maps, and statistics.

Easy Implementation

ESdat's intuitive user interface and wide compatibility allow for easy adoption without needing a specialized team to use or manage the software. We will work with you to integrate ESdat with your business process in a non-disruptive manner.

Focus on What Matters

Automate the data management process so you can focus on developing and implementing solutions for your clients. Increase data confidence with built-in QA tools and regulatory guideline exceedance alerts.

Reduce Costs

Reduce the time and resources spent on managing your data. Improve efficiency and flexibility by having all your data organized in one place, accessible anytime, anywhere.

Trusted by the Environmental Industry

Used by environmental industry professionals from every continent of the world. ESdat sets the gold standard for modern environmental data management systems.

Key Features

Consolidate Your Field & Lab Data

A centralized database in the cloud with your field and laboratory data integrated. Capture data with the app, e-forms, loggers or scan physical documents in the field. Automatically upload lab data into your system and generate reports.

Standardized Data Views

Visualize findings without having to go through time-consuming data manipulation. Create custom templates to present your data consistently with one click.

Scalable To Your Needs

ESdat is scalable to fit the needs of a single user to enterprises with hundreds of users. Rest assured that you are getting precisely what you need, when you need it.

Custom Notifications

Set automated notifications for everything from lab report receipts to regulatory guideline exceedances.

Robust Cybersecurity

ESdat is SOC 2 Type II compliant and the ISMS supporting our platform is certified ISO/IEC 27001:2022. Rest assured that your data is protected from prying eyes.

Project & Site Management

Access all your projects and sites in one place. Create work plans, allocate tasks and create reports that are automatically loaded into the corresponding projects.

Improve Data Confidence

Get consistent data from source to destination with built-in QA tools. Eliminate common data management challenges and time-consuming manual data entry.

Wide Compatibility

Easily integrate ESdat with existing workflows and third-party applications. Access all your data, anywhere, with the user-friendly web interface.

Regulatory Compliance

ESdat comes with a pre-compiled library of regulatory guidelines. Automatically compare your data as it arrives and receive alerts for guideline exceedances in real time.

Don't see what you need?
Visit our website to learn more.

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LabSync

ESdat - Environmental Data Management System
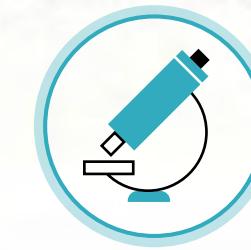
All your data in one place

ESdat supports data exchange with a global network of environmental laboratories. Your lab reports are automatically uploaded from laboratories via EDD and synced with ESdat. Say goodbye to importing and organizing lab results manually.

Key Benefits

Exceedance and lab report notifications

Get notifications for lab reports received, regulatory exceedances, in your data and more.

Laboratory integration

Lab reports are automatically uploaded from laboratories and synced with ESdat. To ensure accuracy, LabSync automatically validates your data against the ESdat EDD format, and errors are reported to the lab immediately.

Improve data confidence

Lab results are securely stored in one place with the rest of your data. Eliminate common data management challenges and automate time-consuming data entry with ESdat.

Key Features

Never miss a report

- Get immediate notifications whenever new lab reports become available.
- Be notified of regulatory exceedances as your data comes in.

Improve efficiency

- ESdat is always updated with the latest results as they're issued by your lab.
- View your data in ESdat as tables, graphs or maps with a single click.
- Eliminate manual data entry and common data management challenges.
- Results are automatically loaded into your projects.
- Apply specific formatting to your data with pre-configured profiles and templates.

Data accuracy / automated QA process

- To ensure the accurate results are uploaded into your account, LabSync automatically validates your data against the ESdat EDD format.
- Any errors detected will be reported back to you and the lab immediately.
- ESdat is the only global platform that offers centralized onboarding, accreditation and live quality monitoring of environmental laboratory data exchange so that you don't have to.

## Laboratories integrated with ESdat

Learn more about LabSync

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For more information
www.escis.com/contact
www.esdat.net | www.escis.com

Don't see your lab? Our team will liaise with your lab to set up their integration with ESdat and resolve any data issues on your behalf.

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Field Portal

ESdat - Environmental Data Management System

Use the ESdat Field Portal to collect monitoring data in the field and sync them to your ESdat database. Streamline monitoring for multiple environmental parameters by eliminating paper notes and manual data transcription. Works on a wide range of smartphones, tablets and computers with an active internet connection or opt for offline* capabilities.

Key Benefits

Improve field data capture and reporting efficiency

ESdat is intuitive and easy to use. Configurable to fit your monitoring needs, the Field Portal enables a streamlined workflow that frees up resources from manual data transcription and reporting, allowing you to dedicate more effort to crucial tasks like data interrogation and decision making.

- Gain real-time stabilization feedback for groundwater wells during purging operations, with clear time stamps for samples and configurable monitoring criteria.
- Configure reporting templates as you like and effortlessly generate matching reports for your data.
- Generate specialized Field Sheet Reports and standard data tables and graphs.
- Export professional reports to common formats, including PDF, Word, and Excel, facilitating easy sharing and collaboration.
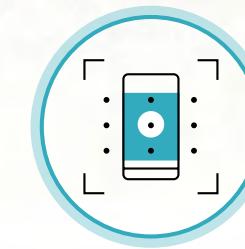
### Reduce human errors and data inconsistencies

With the ESdat Field Portal, your field data gets uploaded directly to your ESdat database upon collection. Minimize human errors and improve field data collection flexibility by eliminating paper notes.

- Paperless monitoring data collection, including field parameters, water levels, observations, sample details, and images.
- Review uploaded data instantly for real-time insights, with built-in data validation tools and visual indicators to help maintain data integrity. Easily spot inconsistencies in monitoring rounds as field data comes in.
- Supported on a wide range of modern mobile devices, the Field Portal offers an intuitive interface and generates comprehensive reports that save valuable time.

Offline data collection `Add-on Feature`

*Offline field data collection is facilitated through the ESdat Field App, licensed separately.

- Utilize the ESdat Field App for offline data entry and storage.
- Synchronize saved data with ESdat upon internet reconnection.
- Access the ESdat Field App via ESdat's web interface, available for separate licensing.
- Integrate with the Field Workflow module to facilitate a seamless electronic field workflow, from sample planning to field execution and data reporting.

Learn more about Field Portal

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Don't see a field form that will work for you? Our team can help tailor ESdat to fit your exact requirements. Talk to us about more complex configurations of the ESdat Field Portal/App.

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Public Portal

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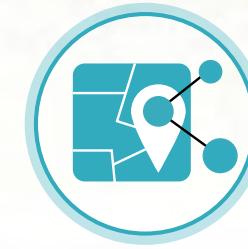
The ESdat Public Portal allows you to easily publish approved reports through a user-friendly web portal. This lets clients and stakeholders access the published data at any time, ensuring regulatory compliance without tying up resources on reporting. The feature streamlines stakeholder communications and empowers more effective decision making.

Key Benefits

Effective Stakeholder Communications

With the ESdat Public Portal, users can easily share their approved reports through a user-friendly web portal. This feature makes it simple for clients, regulators and stakeholders to access and review the data they need, whenever they want and on their own terms. This eliminates the need for periodic reports to be produced manually. Instead, your data from ESdat can be automatically published to the public portal.

- ⦿ The Public Portal integrates with ESdat so you can import, review, report and share your data from the same place.
- ⦿ Provide transparency on your public reporting requirements.
- ⦿ Allow users to view and interpret your data with tables, graphs, maps, and more.
- ⦿ Interactive map view with clickable monitoring points to show related data.

Empowering Decision Making

The ESdat Public Portal empowers more efficient decision making by allowing users to focus on the work that matters. Streamline the stakeholder communications process by automation of environmental data reporting with the Public Portal that is connected to your ESdat database.

- ⦿ Free up resources dedicated to manually compiling results.
- ⦿ Open up the blind spots and reduce human errors from manual reporting.
- ⦿ Focus resources on data interpretation and decision making.

Stay in control of what is shared

You can choose to adopt for implementation either the option to share reports publicly for broader outreach, or keep reports password-protected for authorized access.

- ⦿ Robust approval mechanism built-in so you are always in control of what gets published.
- ⦿ Review and approve reports for distribution within standard ESdat workflows.

Example ESdat Public Portals

Curious to see real-world examples?
Explore these ESdat Public Portals: https://esdat.net/esdat-public-portal/

Learn more about Public Portal

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Don't see what you need? Our team can help tailor ESdat to fit your exact requirements. Talk to us about more complex deployments of ESdat Public Portal.