

From Data to Decisions: Al-Driven Innovation in Environmental Remediation with EQuIS®

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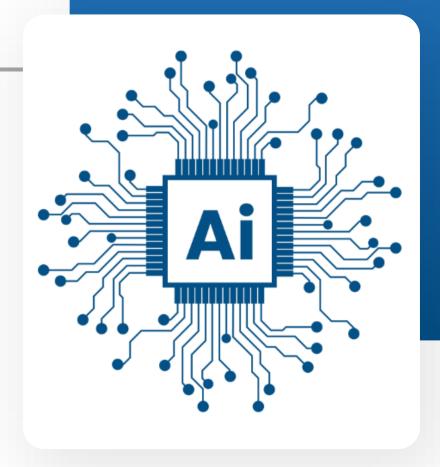


Challenge/Solution

Artificial intelligence is reshaping how environmental professionals manage, interpret, and act on complex datasets.

EarthSoft's EQuIS platform combines:

- Centralized data architecture
- Federated access
- Automated workflows
- Strong data management
- Al-powered knowledge management portal

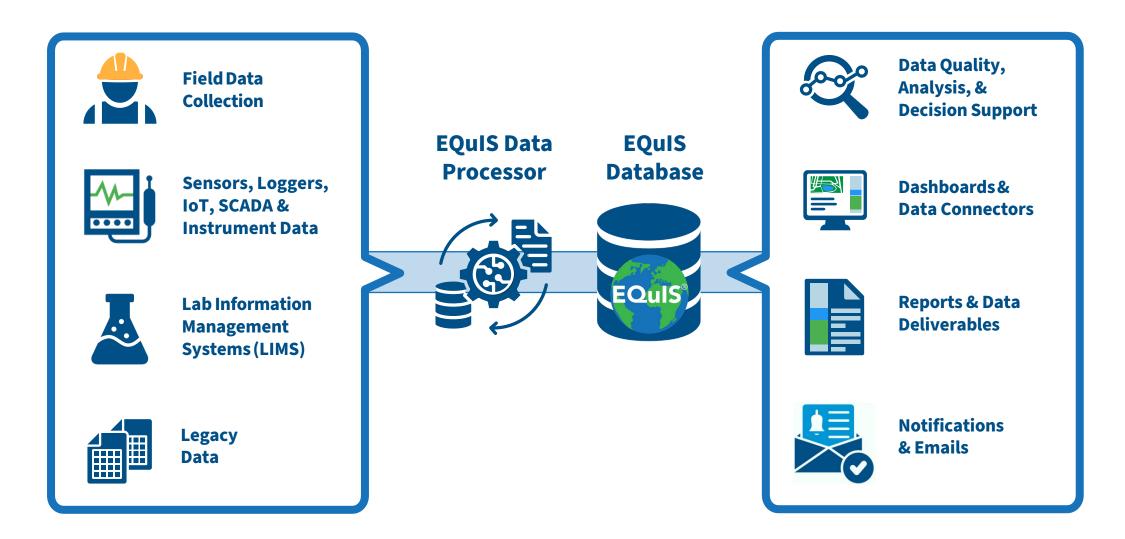


Structured Data Workflow



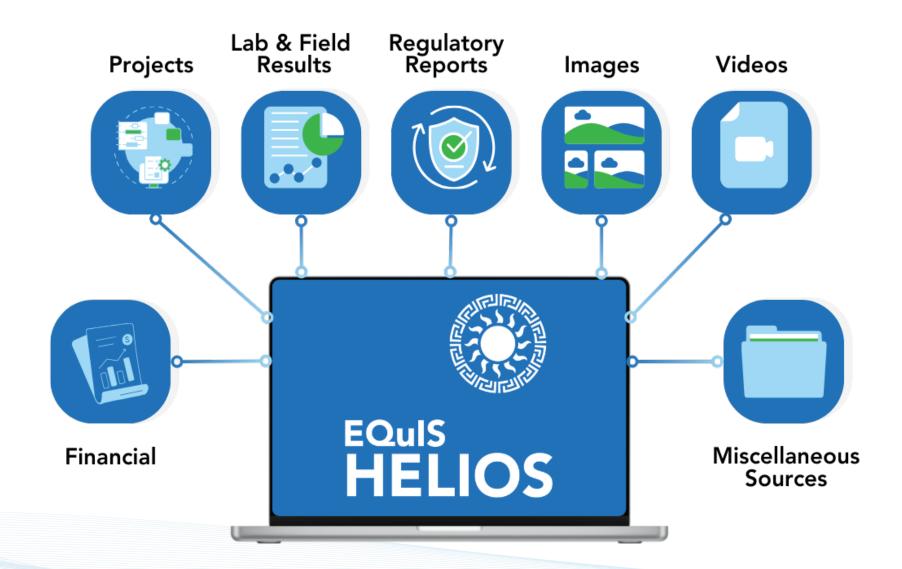


EQuIS Data Workflow



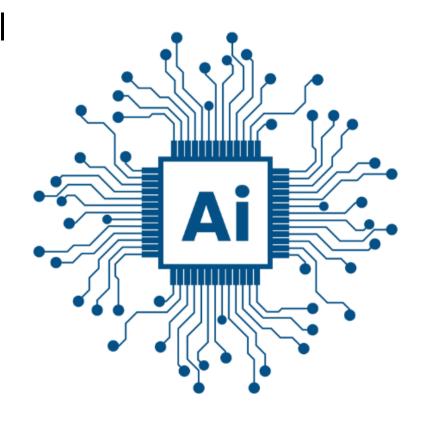


Al Integration for Unstructured Data



EQUIS HELISS

- AI-Powered Knowledge Management Portal (uses Microsoft Azure AI services)
- Improves unstructured data management
- Versatile choice for streamlining information management and access
 - Auto generate Content Summaries
 - Auto extract Key Words and metadata





Key Features





Easy Loading of Data Files



Identification of PII/Profanity



Automated File Processing



Central Storage and Microsoft Azure AI Search Capability



Document Summarization

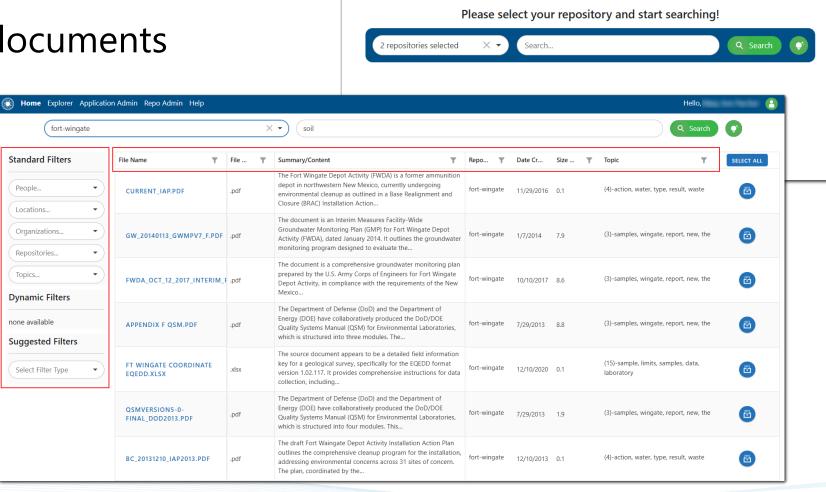


Advanced Security Features



EQUIS HELISS

- Easily search for documents
- Dynamic filters



Home Explorer Repo Admin Help

EQuIS

HELIOS

Powered by EarthSoft

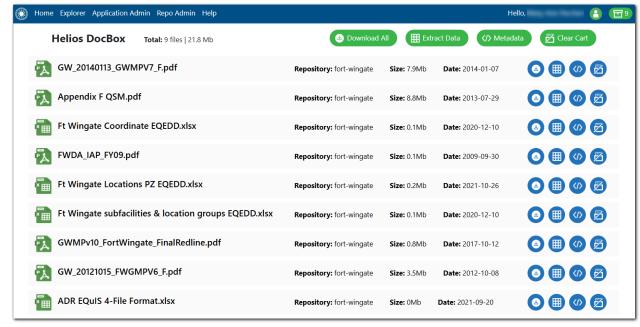


Hello,

Data Extraction



- Uses Microsoft Azure AI services and optical character recognition (OCR)
- Convert unstructured content into structured formats for integration into EQuIS workflows



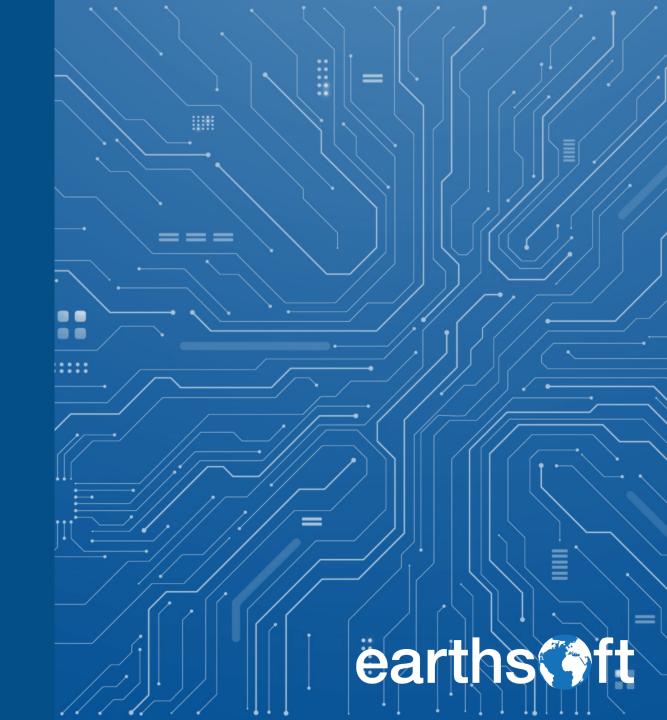


Unstructured Data Workflow





EQuIS Helios Use Cases







Challenge – Data Consolidation

Decades of consultant reports field notes

Helios indexes, summarizes and secures this information for centralized access











Challenge – Project Transition & Data Migration

Previous consultant did not use a data management system

Helios summarizes and prepares these datasets for review and potential migration







HELL®S Use Case

Challenge – Document Management

Manage historical records cost effectively

Helios makes these records searchable by location, metadata, and content

Cost-effective, secure storage with advanced search functionality











Challenge – Data Extraction

Extract data from handwritten notes and scanned forms

Helios structures this data for validation and integration into broader workflows









HELI®S Use Case – Example

BP Remediation Management

- Currently has around 4 million files
- All are searchable through Helios and controlled by user role access
- Accessibility can be limited by user administration
- All BP RM suppliers have secure access for their projects

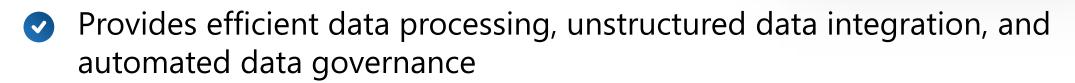




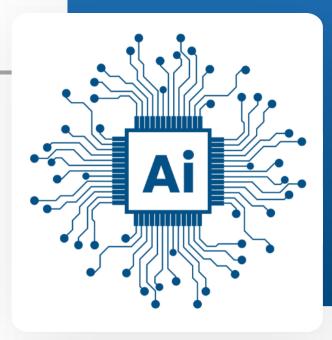
Conclusions

The EQuIS platform:

- Meets evolving demands of environmental data professionals
- Integrates centralized database architecture with Al-powered tools and Federated access



Supports improved communication and informed decision-making



Thank you!



Own the Workflow,
Make Better Decisions



