



Scribe & Environmental Data Management

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Goals

- ❑ Translate field work into electronic data, not reports!
- ❑ Facilitate data capture and input
- ❑ Ease the burden of paper trail


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Planning Phase

- ❑ Data Stream Analysis
- ❑ Evaluate Data Capture Tools
- ❑ Define Data Elements
- ❑ Data Quality Objectives

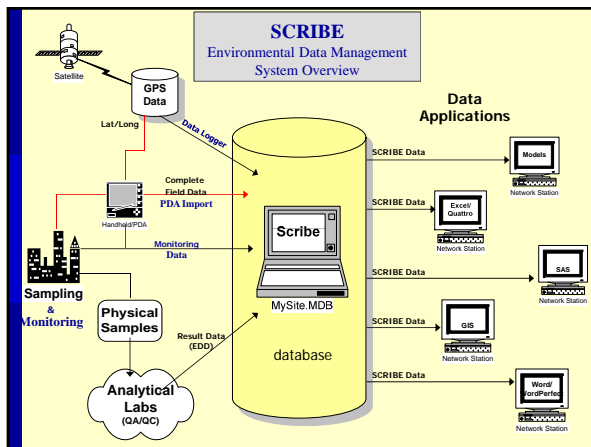
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What is Scribe

- ❑ Desktop application (MS Access)
- ❑ Provide an environmental database that is easy enough to use so people “who aren’t database people” can use it
- ❑ Manage the entire life cycle of a project
- ❑ EPA Response Data Standard
 - Required by START contracts and Management Directives

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Why Use Scribe?


- ❑ Flexibility and Functionality
- ❑ Data Integration
- ❑ Customizable
 - Queries
 - Import Scripts
 - Layouts
 - Project Templates
- ❑ Site Transition
- ❑ Deliverable

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Project Management

- ❑ Property information
 - Address
 - Access Agreements
 - Owner/Tenant Information
- ❑ Occupant information
- ❑ Sample processing
 - Labels
 - Chain of Custodies
- ❑ Analytical data receipt

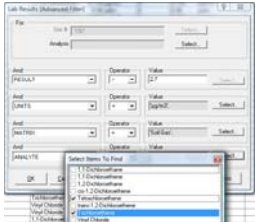


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Querying

- ❑ Filter by multiple parameters
- ❑ Available in all sections
- ❑ Multiple selections
- ❑ >, < for numeric fields



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Data Navigation


| PropertyID | Business/School Name | Address |
|------------|----------------------|---------|
| Unit 001 | 14 Lauren Drive | |
| Unit 002 | 209 Arbor Drive | |
| Unit 003 | 14 E. Valance Street | |
| Unit 004 | 7 Lauren Drive | |
| Unit 005 | 30 Anthony Boulevard | |
| Unit 006 | | |
| Unit 007 | | |
| Unit 008 | | |
| Unit 009 | | |
| Unit 010 | | |
| Unit 011 | | |
| Unit 012 | | |
| Unit 013 | | |
| Unit 014 | | |
| Unit 015 | | |
| Unit 016 | | |
| Unit 017 | | |
| Unit 018 | | |
| Unit 019 | | |
| Unit 020 | | |
| Unit 021 | | |
| Unit 022 | | |
| Unit 023 | | |
| Unit 024 | | |

- Filter For Unit 009
- Remove Filter
- Sort Ascending
- Sort Descending
- Edit
- Add
- Copy
- Delete
- Show Samples for Unit 009
- Show Lab Results for Unit 009
- Show Monitoring Data for Unit 009

- ❑ A simple right-click let's you jump from a property to a location to a sample to a lab result
- ❑ Drill down by conducting right click filtering
- ❑ Sort

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Data Integration

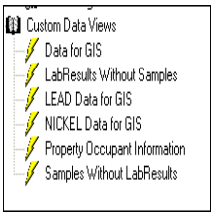
- Back-end Access Database
- Scribe can import a variety of data
 - ADR
 - Forms II Lite
 - SEDD
 - NARAC
 - Any .CSV or spreadsheet format
- Scribe can provide data to other resources
 - ArcGIS
 - Oracle Database Applications
 - Word Processing and Spreadsheets

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Custom Queries

- Custom Data Views are site-specific queries added to the database
- Accessible with one click via the user interface
- Useful when a specific question is asked repeatedly of the data
- Example: Results above an action level




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Import Scripts

- Mappings of imported data can be saved within the database
- Second time data comes from a source, the previous mappings are recalled, saving time and providing consistency.
- Also useful for documentation purposes, especially when bringing in historical data



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Layouts

- ❑ Sections of Scribe that are not used can be turned off to streamline the presentation of the data
- ❑ Each section of Scribe can accommodate many different layouts
- ❑ Allows users to re-caption, arrange and display fields according to their needs
- ❑ Very useful for COCs and delivering data to other systems

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Project Templates

- ❑ Customizations in a Scribe project i.e. layouts, queries, and import scripts can be added to a new project
- ❑ Custom templates can be developed based on site type that will automatically incorporate layouts, import scripts, queries and picklist values
 - SVI Template
 - Groundwater Template
 - Activity-Based Sampling for Asbestos Template

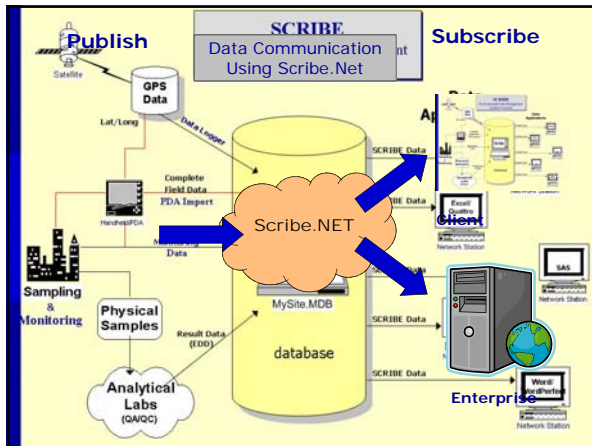
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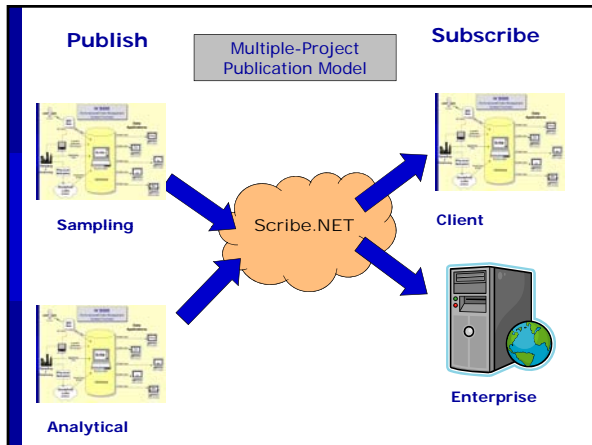



Data Communication

- ❑ When the scope of a job increases and the complexity level goes up, one local database is often not able to support the needs of the project
- ❑ Geographic or functional separation
- ❑ Maintain local control over a dataset but be able to deliver it, so it can be incorporated into the larger project data

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Site Transition

- ❑ Scribe is a known data format that the Removal program is required to use
- ❑ As sites transition to from removal to remedial, make sure you get the complete Scribe data package in addition to hard copy reports and the site file
- ❑ You can then build on what was done instead of starting from scratch

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Deliverable

- ❑ Require Scribe as a project deliverable in addition to a report
- ❑ Good compromise when dealing with an established site that already has a data system in place
 - They can continue managing their data but the data deliverable to EPA is consistent and uniform
- ❑ Allows EPA to implement systems to combine Scribe data from many sites for other uses (GIS, regional databases, etc.)

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Future Plans

New release planned for this Spring



Data Scrubber

- ❑ Create a "query engine"
- ❑ User would select a rule set and run that against there Scribe project
- ❑ Creates exception report
- ❑ Integrated into the Scribe.NET Publishing process



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EPA Contract Lab Program (CLP)

- Modify Scribe to achieve a functional equivalence with Forms 2 Lite (F2L)
- Be able to create CLP sample numbers, Tag numbers, and Traffic Reports
- Generate CLP xml data deliverable

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Quick Map



- Query Scribe data and generate a Google Earth kml file
- Assign a style template to the data including:
 - Symbology
 - Color ramp
 - Labeling

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How Do I Get Scribe?

- Download – It's Free!
 - <http://www.ertsupport.org/downloads.htm>
- Information Available at
 - www.epaos.org/scribe
- Training
 - http://www.ertsupport.org/training_request.asp
 - We can also send you training materials and step-by-step guides
- ERT Software Support
 - 1-800-999-6990
 - ertsupport@epa.gov

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