

# Lessons Learned While Building Web-Based GIS Tools

Presented by:

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# Agenda

- ◆ Introduction to Trihydro
- ◆ History
- ◆ Lessons learned
- ◆ Q&A

# About Trihydro

- ◆ Founded in 1984
- ◆ Engineering, environmental, and information technology
- ◆ Approximately 40 employees in 1994, 60 employees in 1999, to over 250+ today
- ◆ Fifteen offices nationwide





# Lessons Learned

- ◆ Know your users
  - ❖ Different types we discovered
  - ❖ How this helped us

# Lessons Learned

- ◆ Mash up technologies
  - ❖ What it is/does this mean
  - ❖ Circumstances that prompts this
  - ❖ How this helped us

# Lessons Learned

- ◆ Incorporating AJAX
  - ❖ What is AJAX – what does it do
  - ❖ Why do we incorporate this into projects
  - ❖ How this helped us

# Lessons Learned

- ◆ Centralizing data is valuable
  - ❖ What do I mean
  - ❖ How this helped us

# Lessons Learned

- ◆ Incorporating non-spatial data
  - ❖ What do I mean
  - ❖ Time consuming
  - ❖ How this helped us

# Summary

- ◆ Know your users
- ◆ Take advantage of mash up technology
- ◆ Incorporate the cool factor – AJAX
- ◆ Centralize data
- ◆ Incorporate Non-spatial data



A screenshot of the Project DIRECT GIS web application. The interface includes a top navigation bar with 'CREATE PROJECT', 'SUPPORT', and 'FEEDBACK'. A left sidebar lists various tools and reports. The main area displays a map with a red overlay and a detailed 'Analytical Query' window. This window has several sections: 'Matrix or Location Type' with radio buttons for 'Matrix' and 'Location Type', and a dropdown menu showing 'Air', 'Soil', and 'Water'; 'Parameters' with a list of chemical compounds and their IDs; 'Sample Locations' with radio buttons for 'All Locations' and 'Sample Area', and a list of location codes; 'Sample Dates' with 'From Date' and 'To Date' fields; 'Detects Non-Detects' with radio buttons for 'Detects and Non-Detects', 'Detects Only', and 'Non-Detects Only'; and 'Result Limits' with radio buttons for 'All Results' and two numerical input fields. 'Close' and 'Run Query' buttons are at the bottom right.

# Q & A

- ◆ Questions?

# Contact Information

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