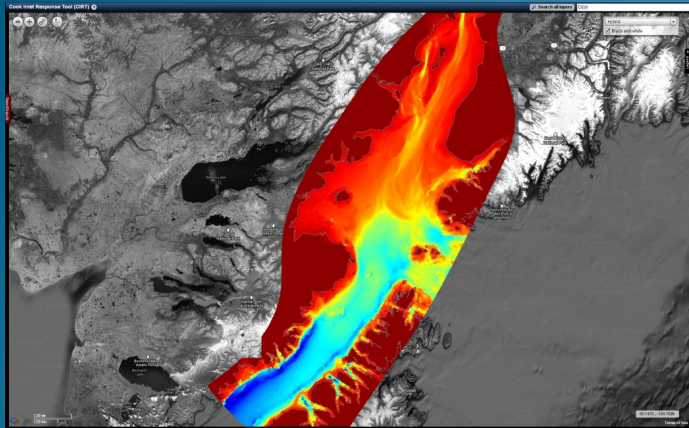




Cyber-Infrastructure for Ocean Observing Systems

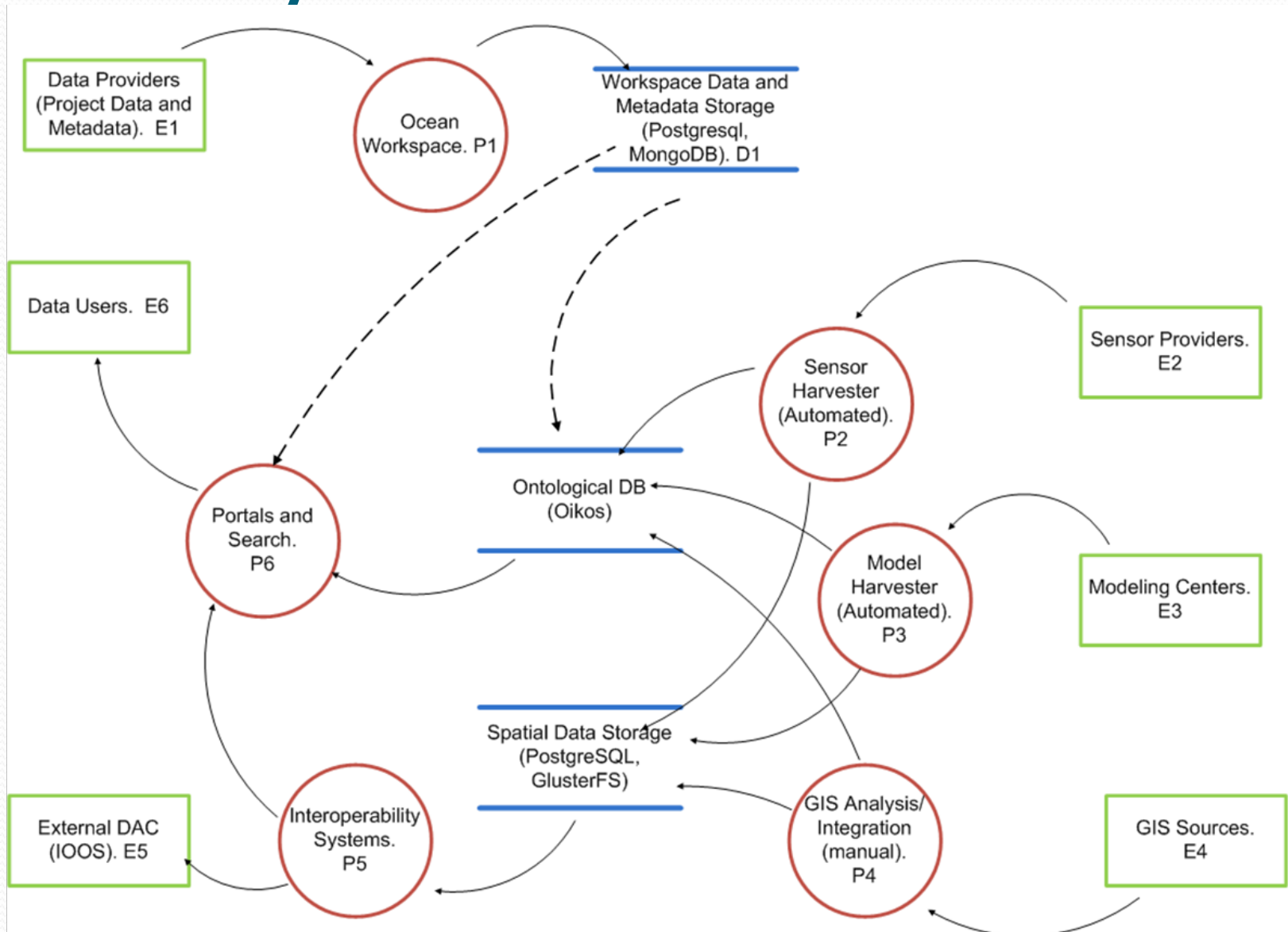


Rob Bochenek
Information Architect

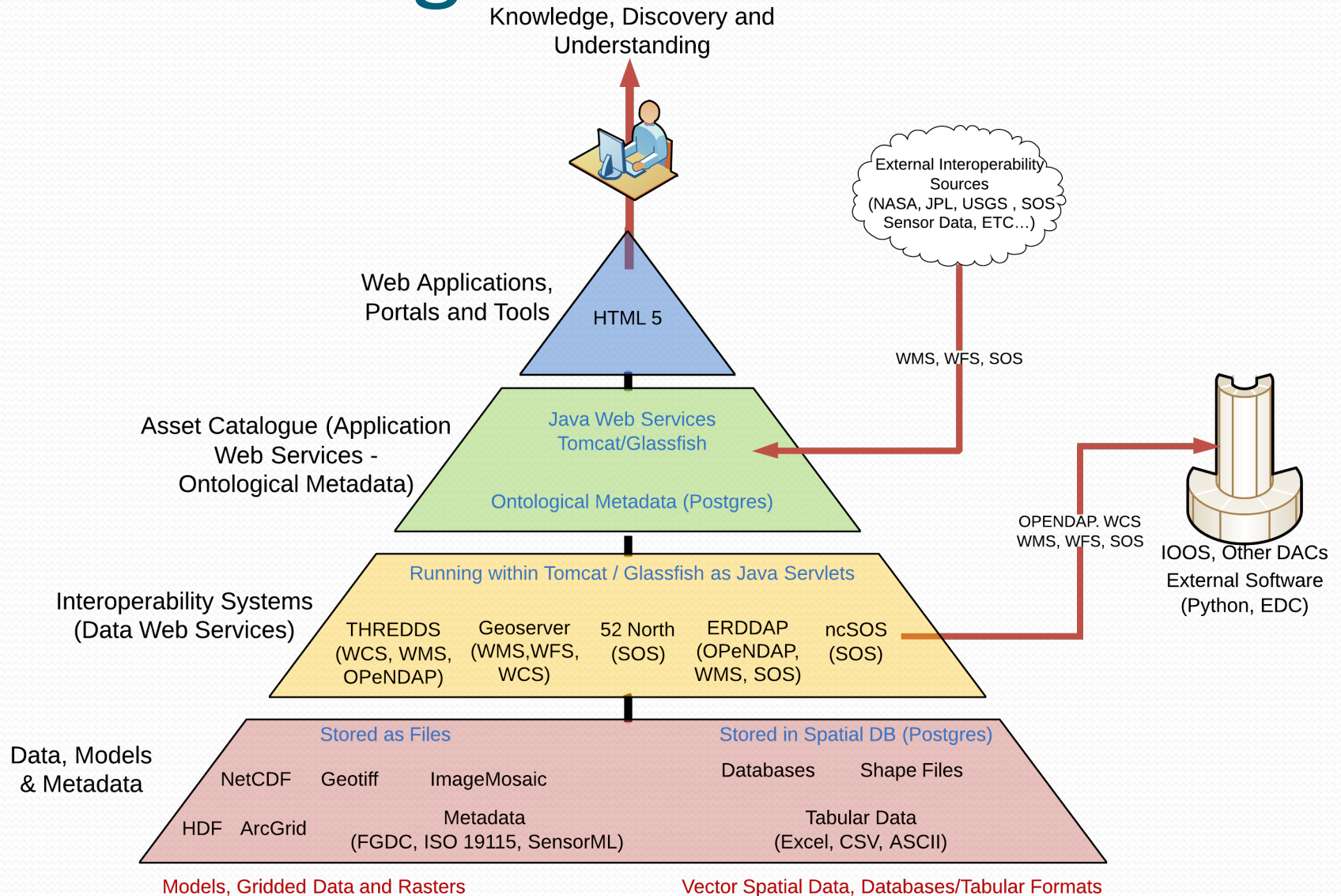
Summary

- Introduction to Axiom
- DMAC System Data Flows
- Data Integration Architecture
- Introduce New Capability “Research Workspace”
- Leveraged efforts that Axiom brings to the table
- Demonstrate Prototype SECOORA Systems

System Data Flows



Data Integration Architecture



Research Workspace: Scientific Collaboration and Data Management Platform

- Researchers organize themselves into teams for projects and larger scale research campaigns
- Data, sampling designs, contextual information, analytical workflows and results can be securely shared and transformed among team members
- Users can generate scientific metadata for information resources (ISO 19115-1/2)
- Users can then elect their project and selected data files to be published to publicly accessible portals.

The screenshot displays the AGOS Research Workspace interface. The top navigation bar includes the AGOS logo, user information (EVOS Gulfwatch), and a search bar. The main content area is divided into several sections:

- Left Sidebar:** A navigation menu with categories like 'All folders', 'Administrative', 'Metadata', 'Permissions', 'Workflows', 'Study plans', 'Data', 'Maps', 'Reports', 'Tools', and 'Settings'. The 'Data' section is currently selected.
- Central Panel:** Displays a table of data with columns A, B, C, D, E, F, G, and H. The table contains 8 rows of data, including columns for 'region', 'block', 'site', 'station', 'Date/Time', 'Year', 'quadrant', and 'type'. Below the table, there is a 'File Name' section showing a list of files, including 'Benthic Soft Invertebrate Data, Years 2006-2012'.
- Right Panel:** Contains a 'Geographic Coverage' map of the Gulf of Alaska, showing the study area. Below the map, there is a 'Contacts' section listing team members like Kim Klocher, Thomas Dean, and Brenda Bellachew.

Leveraged Efforts

- AOOS DMAC (~500k per year)
- CeNCOOS DMAC (~200K per year)
- IOOS Special Projects (~200k)
- MBON Alaska, Florida and California (~100k)