

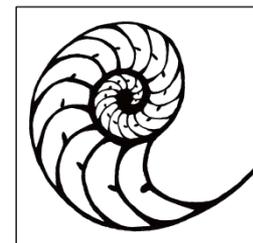


IOOS DMAC Briefing

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& DESIGN

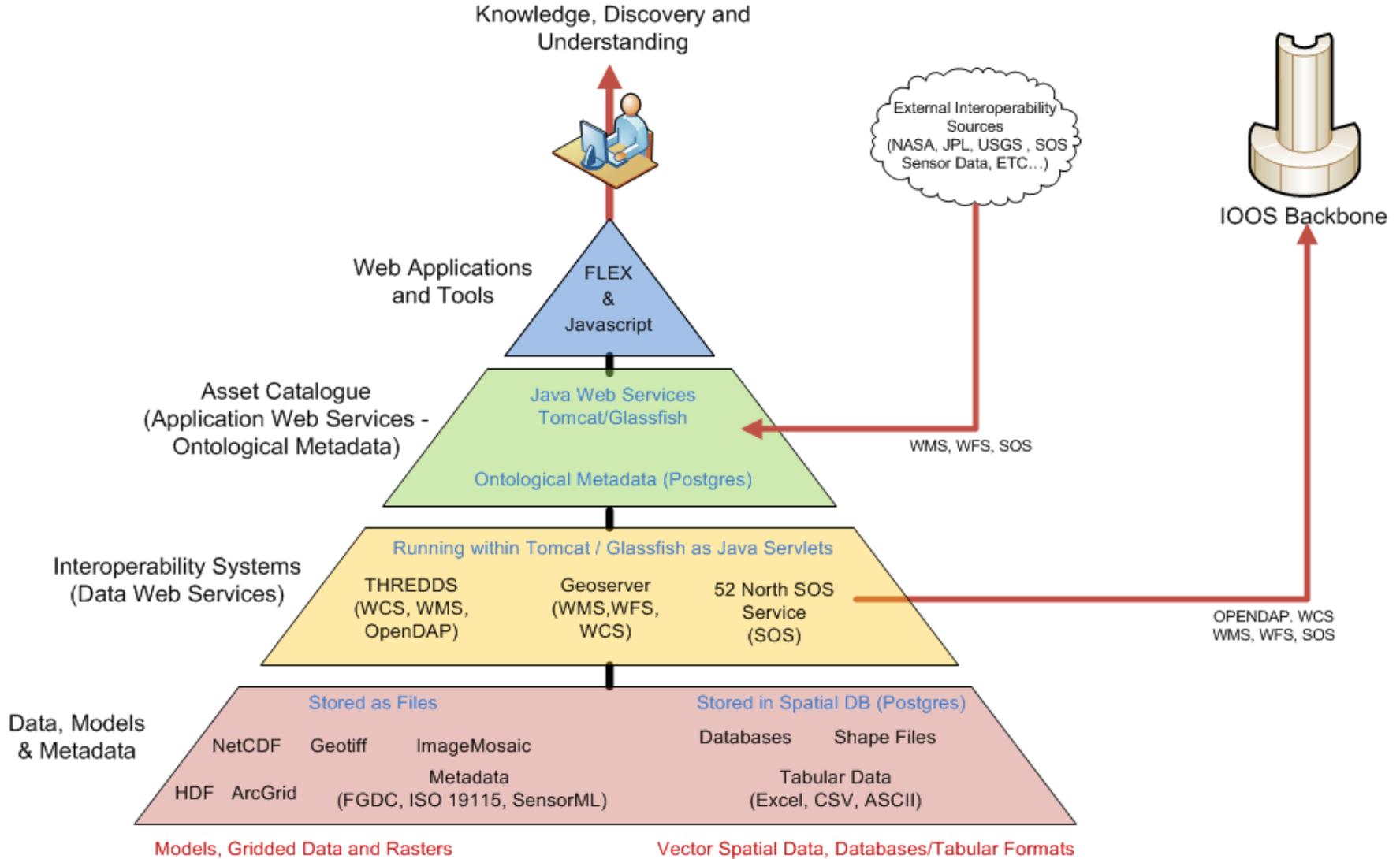
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Priorities (Next 12 Months)

- Implement SOS aggregation for regional sensor platforms
 - Automate near real time ingestion and acquire historic archives
 - Apply emerging QA/QC standards to data stored in SOS
- Deploy integrated data visualization platform
 - Unified interface for sensor, sensor/remote sensing, GIS
 - Premordial Coastal Marine Spatial Planning (CMSP) tool
- Increase capacity within regional agencies to internally serve data via interoperability protocols (expand ADF&G pilot)
- Implement IOOS vocabularies and metadata standards for interoperability systems (ncML, sensorML, WMS configs)
- Deploy web based project level data management system
 - Tools for PI data management & metadata (FGDC, EML and ISO)
 - Automate data integration into interoperability systems
- Deploy web based project level data management system
- Continue to Optimize HPC and Interoperability Code Base

- Prioritizing data system implementation efforts
 - User community has wide ranging needs
 - Wide variety of data types (sensors, models, remote sensing and in situ observations)
 - Difficult to gauge what's most important to focus efforts on...
- QA/QC requirements/methods are somewhat nebulous
- Documentation of IOOS standards are available but not in a cohesive form.

- Provide “Reference Standard Implementation” for THREDDS(ncML) and SOS(SensorML)
 - Simple configuration which is completely IOOS compliant
 - Template to emulate
- Develop a web service to audit SOS and THREDDS and output
- Consolidate IOOS documentation regarding standards and best practices (WIKI)