EOSDIS Coherent Web

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Services • Featured Stories • ESDIS • EMS • ESDSWG • Outreach • Images • Discovery Tools • ECHO • Developer Resources • Events • DAAC Alliance • Terminology

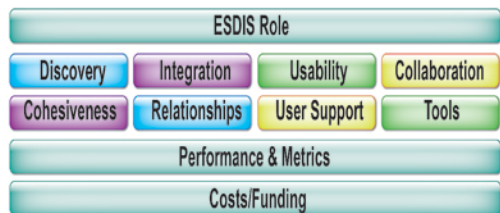## Coherent Web Overview

• **Vision**
  Provide a highly functioning, integrated web presence that ties together information content and web services throughout EOSDIS so science users can easily find, access, and use data collected by NASA's Earth science missions.

• **Phase I Objectives**

1) **Consolidated content site for EOSDIS information**
   - Consistent look and feel for all content
   - Define roles, responsibilities, and workflow for content management

2) **Top-Hat navigation bar included in all EOSDIS data center websites**
   - Included in all EOSDIS data center websites
   - Improves user awareness of other EOSDIS resources
   - Facilitates initial cross-linking between data centers

3) **Create a process and roadmap for future modifications**
   - Identify key focus areas
   - Define operational goals & user scenarios
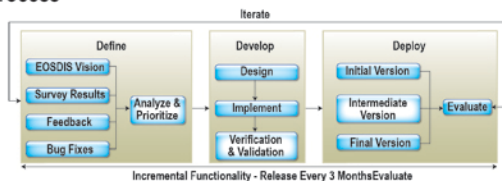   - Design & Implement derived features

Key Focus Areas

• EOSDIS' role in earth science guided selection of key focus areas
• Provides context for evaluating & prioritizing activity.
• Metrics gathered and analyzed to evaluate impact and performance
• Constrained by available funding

ESDIS Role

| Discovery | Integration | Usability | Collaboration |
| Cohesiveness | Relationships | User Support | Tools |

Performance & Metrics

Costs/Funding

System Definition Process

• Provides structure for all website or system enhancements
• Regular review of project priorities and user feedback
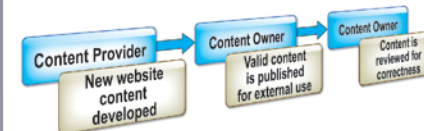• Active process engaging EOSDIS users, managers, and engineers.

Iterate

Define — EOSDIS Vision, Survey Results, Feedback, Bug Fixes → Analyze & Prioritize
Develop — Design, Implement, Verification & Validation
Deploy — Initial Version, Intermediate Version, Final Version → Evaluate

Incremental Functionality - Release Every 3 Months Evaluate

Earthdata.nasa.gov

Contact Us: esdis-cw@lists.nasa.gov

Roles & Responsibilities

Visioneer – Coordinates the overall vision of Earthdata including layout, tool integration, site enhancements, etc.
Site Manager – Oversees the successful operation of the Earthdata site including content approval & validation, tag management, content gathering, etc.
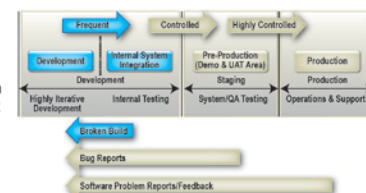**Content Owners** – Responsible for overseeing the content development and approval for all content within their content area.
Content Providers – Responsible for developing content according to site needs.

Visioneer → Site Manager → Content Owner → Content Provider → Sub-Content Owner → Sub-Content Provider

Content Provider → New website content developed
Content Owner → Valid content is published for external use
Content Owner → Content is reviewed for correctness

Configuration Management

• All site content and organization is reviewed prior to publishing for external visibility.
• Regular development updates for internal evaluation.
• Controlled releases to a pre-production environment for user acceptance and integration testing
• Quarterly releases of new functionality

Frequent — Controlled — Highly Controlled
Development — Internal System Integration — Pre-Production (Demo & UAT Area) — Production
Highly Iterative Development — Internal Testing — System/QA Testing — Operations & Support

Broken Build
Bug Reports
Software Problem Reports/Feedback

What's Next?

Near Term Objectives
-Internal Project Resources
  • Project calendar, wiki, document, management, etc.
-Data & Service Discovery
  • Integrate EOSDIS discovery capabilities
  • 'Labs' integration with EOSDIS technologies

-Content Discovery Enhancements
  • Improved cross-site content searching
  • Content Syndication & Portlets
-Content Enhancements
  • Additional EOSDIS website integration
  • Video library enhancements
  • Mobile device support

Future Vision
• Simplify the underlying EOSDIS infrastructure and provide a user-friendly interface that is agnostic of type and location of the data.