Enriching Earthdata by Improving Content Curation

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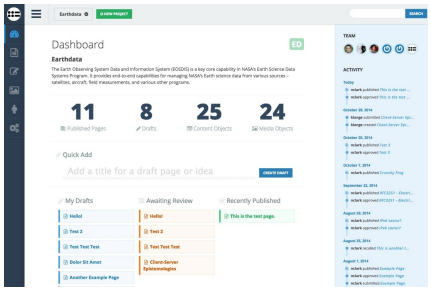
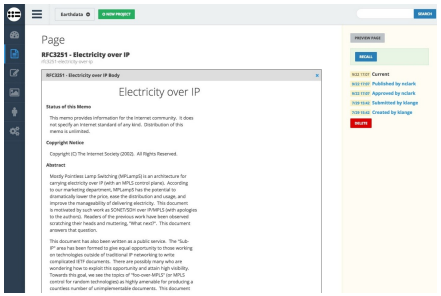
Improving Content Input

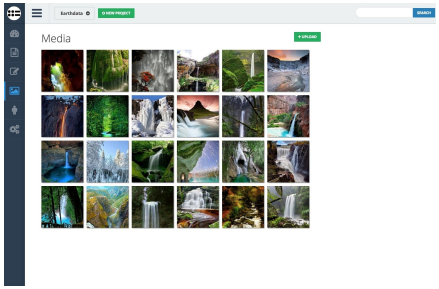
Using a Git repository and the Atlassian software package Bamboo (a continuous integration and build server), content for Earthdata will be created and edited in an environment currently referred to as "Conduit". The content will undergo a review process before being committed to Git and deployed via Bamboo. Conduit is currently in development, but once completed it will be an HTML tool where content managers can create and edit in a WYSIWYG environment:



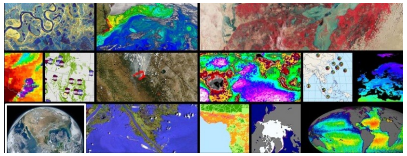
Conduit will provide a dashboard to track Earthdata content objects and activity among the team to facilitate easier creation and publication of articles and media within Earthdata.

Articles will be created in page templates that will include version history and tracking, page previews before publication, and other useful tools, such as the ability to highlight keywords.





Media will be more manageable and more integrated within the editorial environment with the use of media libraries.



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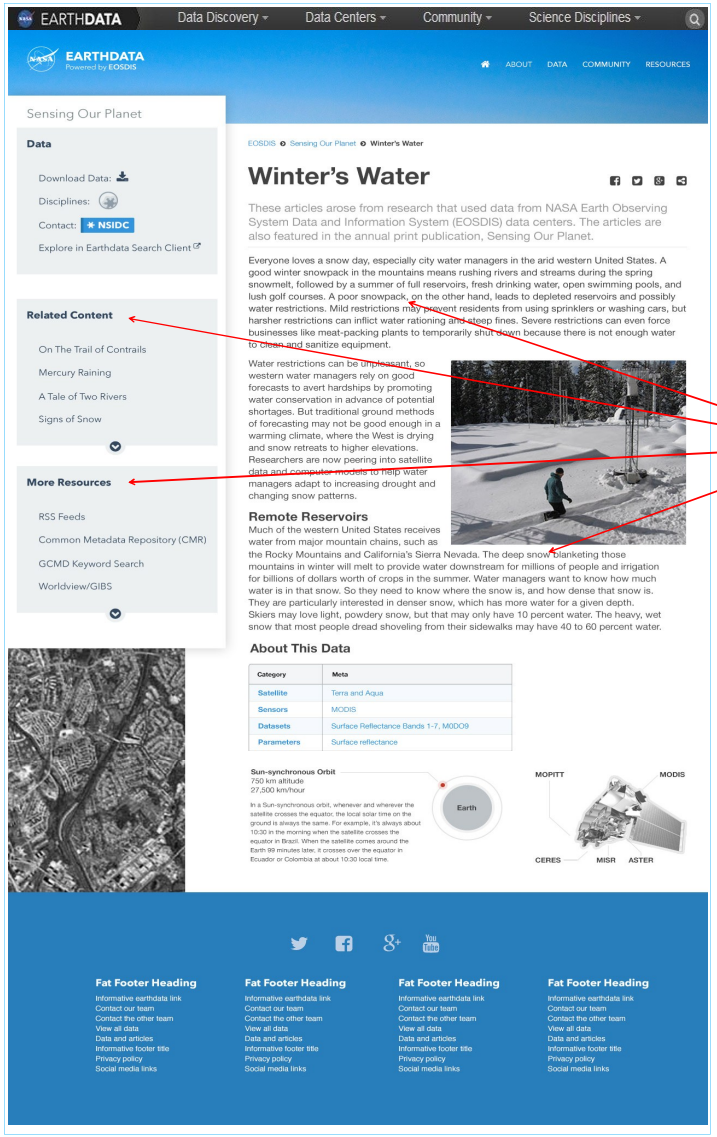


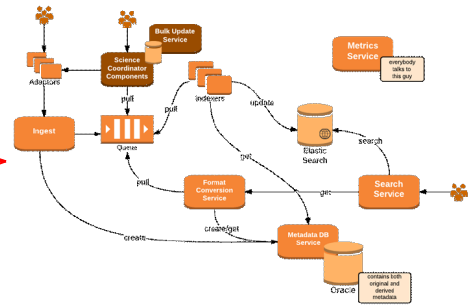
Dynamic, Data-Driven Content

Earthdata content will become enriched to give the users an "Amazon"-like experience, with suggestions for related content based on search terminology or based on page tags and standardized Earth science keywords from the Global Change Master Directory (GCMD) keyword list (http://gcmdservices.gsfc.nasa.gov/static/kms/sciencekeywords/sciencekeywords.csv).

Incorporating New Applications To Drive Content

The Common Metadata Repository (CMR) – a high-performance, high-quality metadata engine to manage the evolution of EOSDIS metadata – will be leveraged to use keywords or topics throughout the various data sources (such as the Global Imagery Browse Services/GIBS, data recipes, tutorials, user resources, posters, etc) to provide related content or more resources based on user interest, search results, or highlighted tags.

Common Metadata Repository (CMR)



Embedded content will include images, video, and charts, etc that enhance the information with comprehensive multimedia and reference resources for a more refined user experience.

Curating Content into Sources and Categories

SOURCES	Missions & Projects	DAACs/ SIPS/SCFs	Interagency projects	ESDSWG	ESDIS components	Sea Level Change Portal	Comm. Data. Sys	Workshops/ Meetings	Partner Agencies	Web/ publications
CATEGORIES	ESDIS	Jeanne		Steve Olding	Ross	Minnie	Rama	Jennifer		Ross/Jennifer
Stories/ Articles	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team	- Steve Olding - WG Reps - Content mgmt team	- LANCE (Diane) - GIBS (Matt C) - Worldview (Ryan) - CMR (Katie) - Earthdata Search Client (Dan)	- Sea Level Change authors	- ACCESS Project Mgr	- Content mgmt team - EOSDIS Comm team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team
Images	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team - EOSDIS Comm team	- Steve Olding - WG Reps - Content mgmt team	- LANCE, GIBS, Worldview, CMR, Earthdata Search	- DAACs - Sea Level Change designers	- ACCESS Project Mgr	- Content mgmt team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team
News	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team - EOSDIS Comm team	- Steve Olding - WG Reps - Content mgmt team	- LANCE, GIBS, Worldview, CMR, Earthdata Search	- Sea Level Change writers	- ACCESS Project Mgr	- Content mgmt team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team
Tutorials/ Recipes	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team - EOSDIS Comm team	- Steve Olding - WG Reps - Content mgmt team	- LANCE, GIBS, Worldview, CMR, Earthdata Search	- Sea Level Change science team	- ACCESS Project Mgr	- Content mgmt team - EOSDIS Comm team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team
Videos/ Animations	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team - EOSDIS Comm team	- Steve Olding - WG Reps - Content mgmt team	- LANCE, GIBS, Worldview, CMR, Earthdata Search	- Sea Level Change designers	- ACCESS Project Mgr	- EOSDIS Comm team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team
Background/ context information	- ESDIS mgmt - Mission/ Project Mgr	- DAAC User Services - Science team	- Content mgmt team - EOSDIS Comm team	- Steve Olding - WG Reps - Content mgmt team	- LANCE, GIBS, Worldview, CMR, Earthdata Search	- Sea Level Change writers/science team	- ACCESS Project Mgr	- Content mgmt team	- Content mgmt team	- Content mgmt team - EOSDIS Comm team

Curating the content into more manageable sources and categories will be key for providing the most valuable Earth science content. By integrating the use of Digital Object Identifiers (DOIs) and Directory Interchange Format (DIF) Earthdata will have the ability to present the user with content that is most important to their interest and to allow the user to quickly and efficiently access the data and information that they are looking for.

Earthdata Content Management Team

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https://earthdata.nasa.gov

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