



EARTHDATA PUB



Earthdata Pub Update

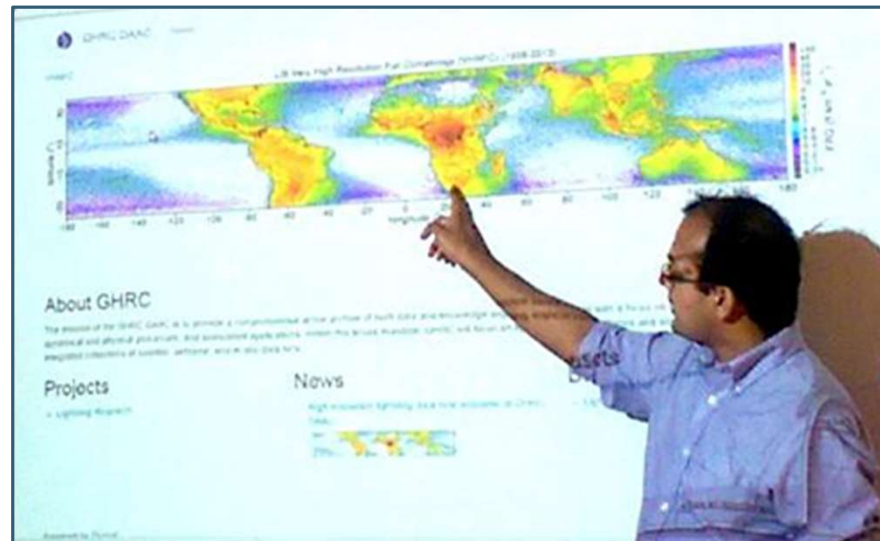
Will Ellett
GHRC Operations Manager



October 13, 2020

GHRC User Working Group 2020

Team Roles & Responsibilities



Project Management

Will Ellett(GHRC), Daine Wright (ORNL),
Justin Rice (ESDIS)

Facilitator

Taylor Wright

GHRC Developer

Brian Ellingson, Eddie Campos

ORNL Developer

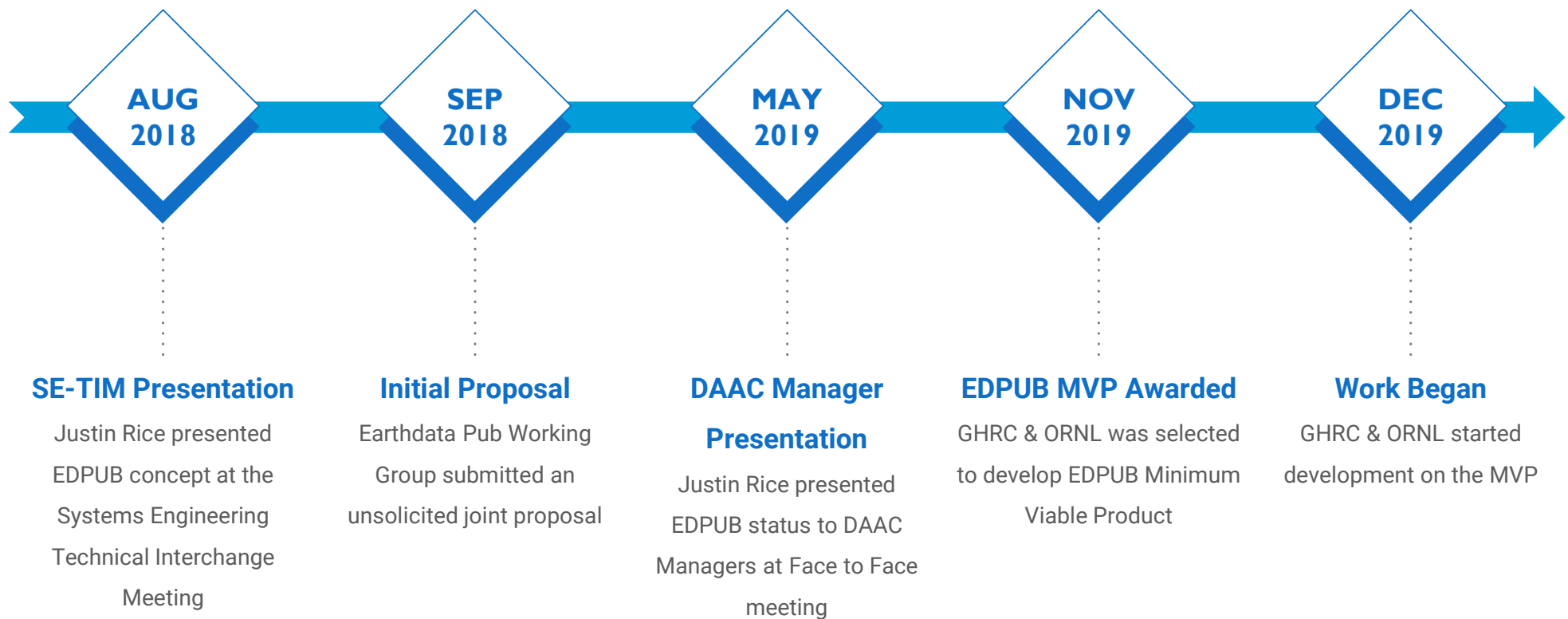
Daine Wright, Kimberly Broughton

- Provide an ESDIS-wide enterprise level tool with the following features:
 - provide a common interface for data providers using common vocabulary and visual appearance
 - define data publication procedures for DAAC staff
 - facilitate management of various data publication processes
 - track progress of data publications, capture and report metrics
 - provide flexibility to support DAAC specific requirements

Earthdata Pub Working Groups: (led by Justin Rice)

- EDPUB Technical Team: GHRC, ORNL, GES DISC
- EDPUB Info Team: ASDC, GHRC, GES DISC, LP DAAC, ORNL, NSIDC, PO.DAAC

Earthdata Pub Timeline



1

Held Planning Meeting

During December 2019, the EDPUB technical team met for for initial high-level planning

2

Established Virtual Meetings

In early January 2020, the tech teams established a virtual daily and weekly meeting schedules

3

Onboarded into Earthdata Cloud

The GHRC & ORNL teams gained access to Earthdata Cloud resources

4

ORNL Development

Researched dashboard options and prototyped dashboard based on Cumulus, tested early EDPUB forms

5

GHRC Development

Researched and prototyped the API and internal systems

6

Other Development

Researched options for authentication and metrics collection



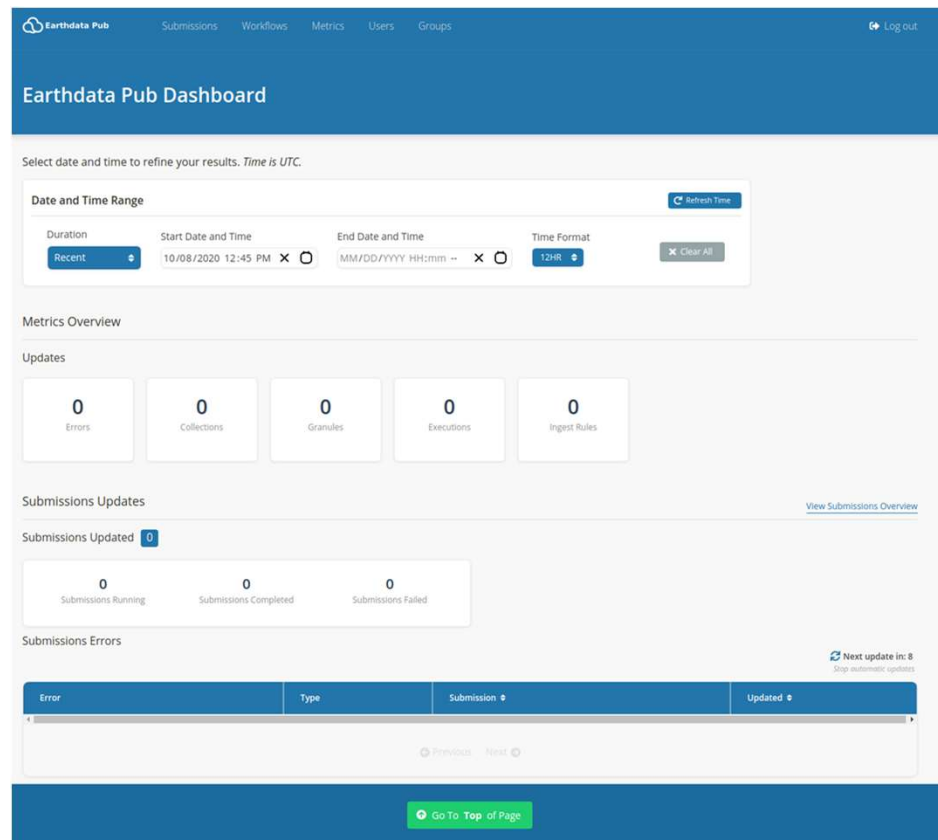
Earthdata Pub Back-end development

- EDPUB API
- workflow engine
- Actions System
- Notification System
- Authentication System
- Metrics Capture System

Earthdata Pub Front-end development

- EDPUB website
- EDPUB Information/Overview pages
- Dashboard (Data Provider, DAAC Data Management, Metrics)
- Forms

Earthdata Pub Dashboard

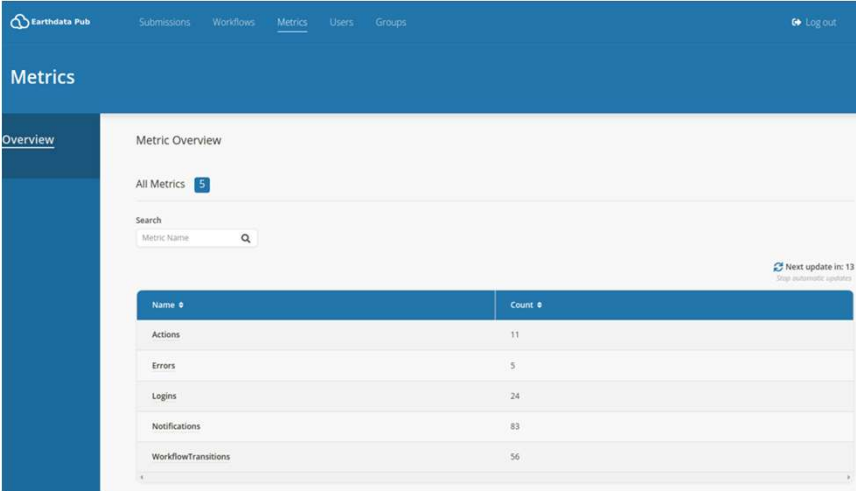


The screenshot displays the Earthdata Pub Dashboard interface. At the top, there is a navigation bar with links for Submissions, Workflows, Metrics, Users, and Groups, along with a Log out button. The main header reads "Earthdata Pub Dashboard". Below this, a section for "Date and Time Range" allows users to refine results, with a "Refresh Time" button. The "Date and Time Range" section includes a "Duration" dropdown set to "Recent", "Start Date and Time" (10/08/2020 12:45 PM), "End Date and Time" (MM/DD/YYYY HH:mm), and a "Time Format" dropdown set to "12HR". A "Clear All" button is also present. The "Metrics Overview" section shows five cards for Errors, Collections, Granules, Executions, and Ingest Rules, all displaying a count of 0. The "Submissions Updates" section includes a "View Submissions Overview" link and a "Submissions Updated" count of 0. Below this, three cards show "Submissions Running" (0), "Submissions Completed" (0), and "Submissions Failed" (0). The "Submissions Errors" section features a table with columns for Error, Type, Submission, and Updated, and a "Next update in: 8" notification. A "Go To Top of Page" button is located at the bottom of the dashboard.

EDPUB Dashboard Prototype

Upcoming Activities

- Integrate back-end API and front-end Dashboard
- Test and Integrate
 - User Authentication (using AWS Cognito)
 - Metadata Editor (based on GES DIS mediator)
 - Action, Workflow and Notification services
- Allow access to EDPUB Info group for testing
- Address feedback from Info group



The screenshot shows the 'Metrics' page in the Earthdata Pub application. The page title is 'Metrics' and the breadcrumb is 'Overview'. The main content area is titled 'Metric Overview' and shows 'All Metrics' with a count of 5. There is a search bar for 'Metric Name'. A table displays the following data:

Name	Count
Actions	11
Errors	5
Logins	24
Notifications	83
WorkflowTransitions	56

Additional UI elements include a 'Log out' link in the top right, a 'Next update in: 13' notification, and a 'Single automatic updates' link.



EARTHDATA PUB



THANK YOU!

QUESTIONS?

