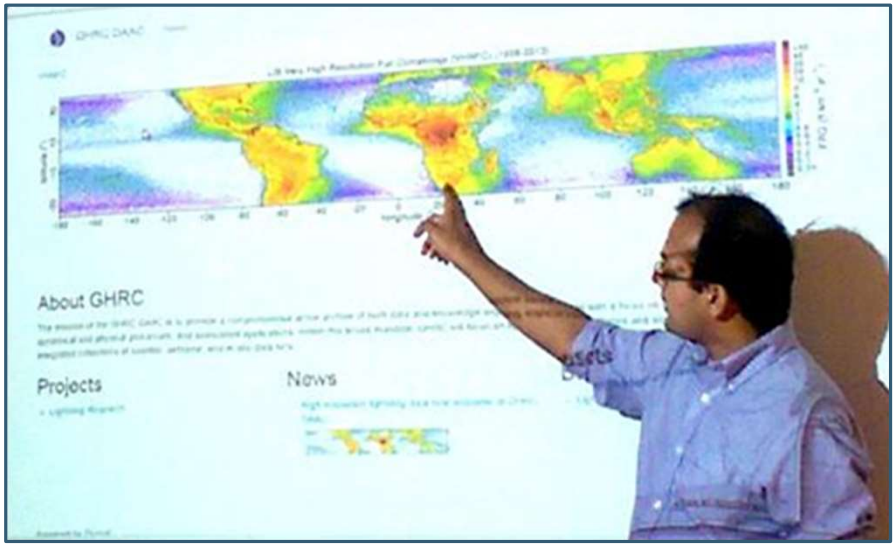
# Earthdata Pub Update

Will Ellett
GHRC Operations Manager

# 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 |

# Earthdata Pub Goals

- 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

**SE-TIM Presentation**

Justin Rice presented EDPUB concept at the Systems Engineering Technical Interchange Meeting

**Initial Proposal**

Earthdata Pub Working Group submitted an unsolicited joint proposal

**DAAC Manager Presentation**

Justin Rice presented EDPUB status to DAAC Managers at Face to Face meeting

**EDPUB MVP Awarded**

GHRC & ORNL was selected to develop EDPUB Minimum Viable Product

**Work Began**

GHRC & ORNL started development on the MVP

# EDPUB Status

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

# Cross-DAAC Development Activity

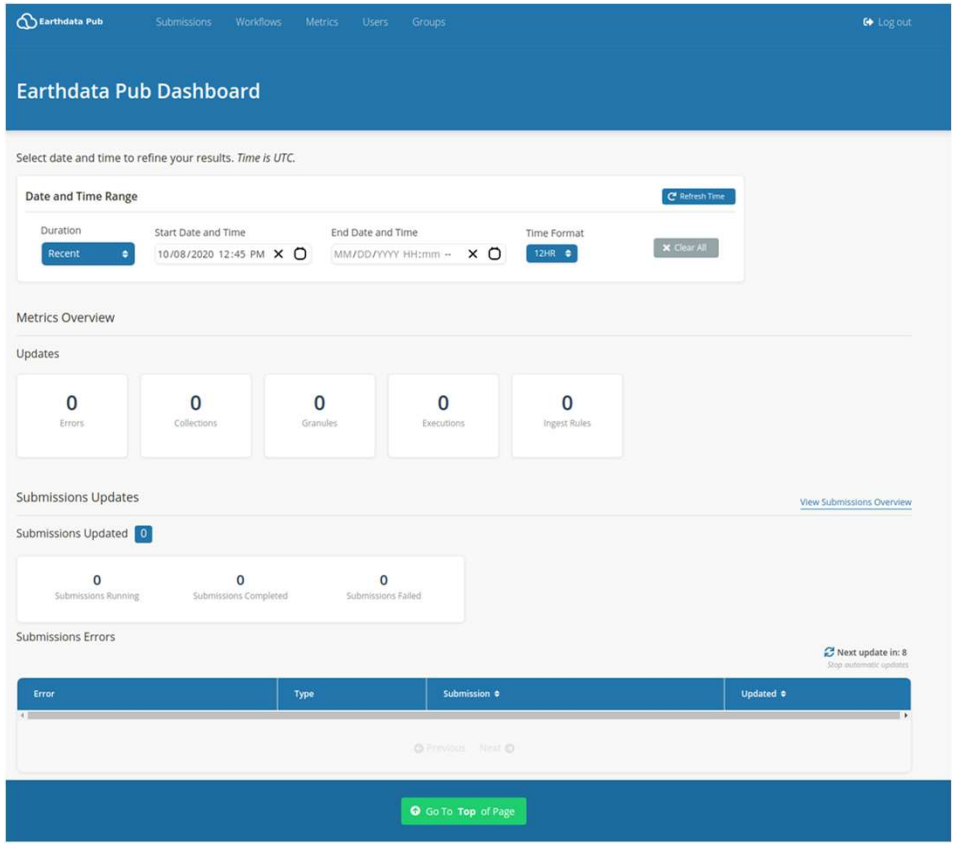
Earthdata Pub Back-end development

- 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

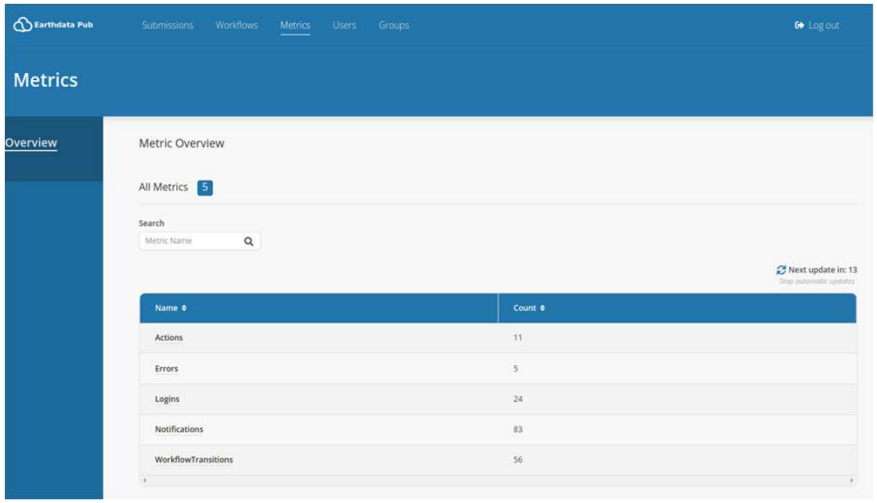
# Earthdata Pub Dashboard




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 meditor)
  - Action, Workflow and Notification services
- Allow access to EDPUB Info group for testing
- Address feedback from Info group



# THANK YOU!

QUESTIONS?