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

**AUG 2018**
- **SE-TIM Presentation**
  Justin Rice presented EDPUB concept at the Systems Engineering Technical Interchange Meeting

**SEP 2018**
- **Initial Proposal**
  Earthdata Pub Working Group submitted an unsolicited joint proposal

**MAY 2019**
- **DAAC Manager Presentation**
  Justin Rice presented EDPUB status to DAAC Managers at Face to Face meeting

**NOV 2019**
- **EDPUB MVP Awarded**
  GHRC & ORNL was selected to develop EDPUB Minimum Viable Product

**DEC 2019**
- **Work Began**
  GHRC & ORNL started development on the MVP
Held Planning Meeting
During December 2019, the EDPUB technical team met for initial high-level planning.

Established Virtual Meetings
In early January 2020, the tech teams established virtual daily and weekly meeting schedules.

Onboarded into Earthdata Cloud
The GHRC & ORNL teams gained access to Earthdata Cloud resources.

ORNL Development
Researched dashboard options and prototyped a dashboard based on Cumulus, tested early EDPUB forms.

GHRC Development
Researched and prototyped the API and internal systems.

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
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?