

# CDI Monthly Meeting 20190814

## CDI Monthly Meeting - 20190814

The Community for Data Integration (CDI) meetings are held the 2nd Wednesday of each month from 11:00 a.m. to 12:30 p.m. Eastern Time.

## Meeting Recording

Meeting recordings are available to CDI Members approximately 24 hours after the completion of the meeting. Please log in to view the recording. If you would like to become a member of CDI, email [cdi@usgs.gov](mailto:cdi@usgs.gov).

## Agenda (in Eastern time)

11:00a Opening and Welcome - Viv Hutchison, Branch Chief, Science Data Management [CDI\\_20190814\\_OpeningSlides.pdf](#)

11:15a Working Group Announcements - see opening slides .pdf

11:25a **Exploring NASA's Earth Science data at [earthdata.nasa.gov](http://earthdata.nasa.gov)** - Cynthia Hall, NASA

11:55a **Community for Software & Data Integration** - Michelle Guy, Jeremy Newson, and Cassandra Ladino, USGS

12:30p *Adjourn*

## Abstracts

### Exploring NASA's Earth Science data at [earthdata.nasa.gov](http://earthdata.nasa.gov)

Learn about the plethora of NASA resources available for understanding our Earth. NASA's Earth Science Data Systems builds and maintains systems that collect, store, and deliver petabytes of multi-disciplinary data. We are currently working to improve the discoverability of its data holdings and information through the [earthdata.nasa.gov](http://earthdata.nasa.gov) website and will share some of our new content.

*Cynthia Hall is the Community Coordinator for NASA's Earth Science Data Systems, where she is working to enhance and promote the use of all of NASA's Earth science data collections. She works with data users from scientists to educators to decision makers, all with a varied range of needs.*

### Community for Software & Data Integration

Software isn't just limited to tech geeks who develop web applications anymore. There's lots of science use cases that are making software development a ubiquitous skill set among the masses. In this presentation we will cover:

- Who develops software
- What is software
- Why software is integral to data integration and delivery
- How to improve your skill sets with USGS tools and communities
- Highlight a few real life USGS examples

*Michelle Guy - Computer Scientist architecting solutions across disciplines at the USGS Geologic Hazards Science Center in Golden CO. ([more info](#))*

*Jeremy Newson - Hydrologist and full stack software architect currently working with the USGS Web Informatics and Mapping team ([more info](#))*  
*Cassandra Ladino - Office of Enterprise Information Applications Manager, 10+ years of experience in project management and application design at USGS. Currently focusing on data architecting in AWS cloud. ([more info](#))*

## Presentations

**Presentation:** Slides are available to CDI Members. Please log in to download the slides. If you would like to become a member of CDI, email [cdi@usgs.gov](mailto:cdi@usgs.gov).

## Highlights

1. The opening slides have some resources on Usability
2. EarthData
  - a. NASA has a lot of data that is relevant to our USGS Mission Areas
  - b. They developed tools to help users navigate the data holdings
    - i. [earthdata.nasa.gov/learn/toolkits](http://earthdata.nasa.gov/learn/toolkits)
    - ii. [earthdata.nasa.gov/learn/pathfinders](http://earthdata.nasa.gov/learn/pathfinders)

- c. Ever wonder what the NASA data levels 0-4 are? [See here.](#)
- 3. Software and Data Integration
  - a. The presence of software and people who create software (broad definition) is growing in the CDI!
  - b. Software is integral to the entire data collection, analysis, and delivery process.
  - c. There are many new resources to help us with our software.
    - i. [Software Management Website](#)
    - ii. Software Development mailing list - [subscribe](#)
    - iii. [MS Teams GS-Software](#) (replaced the Slack software-dev channel since this call)
  - d. Two lightning talks
    - i. Laura DeCicco - USGS-R teaches people skills for using R, but is also heavily about communication and community
    - ii. Emily Sturdivant - automate data wrangling and publishing tasks for ScienceBase! [github.com/esturdivant-usgs/science-base-automation](https://github.com/esturdivant-usgs/science-base-automation)

## *Attendees*

A Participant Report is available to CDI Members. Please log in to download the report. If you would like to become a member of CDI, email [cdi@usgs.gov](mailto:cdi@usgs.gov).