NSF Sponsored Geoscience Digital Data Resource and Repository Service (GeoDaRRS) Workshop

Aug 7, 2018 – Aug 9, 2018
NCAR Center Green Campus, Boulder, CO

Why are we here?

Evolving expectations for research data management present new challenges for researchers and supporting infrastructure.

- Openly sharing data is becoming an expectation within scientific communities.
- Funding agencies and publishers are implementing data management and open access requirements.
- **How does the community support these evolving expectations and requirements?**
  - Where do researchers deposit and archive their data in order to share them?

Why are we here?

- Make data driven research workflows more efficient (FAIR)
  - Findable, Accessible, Interoperable, Re-usable
  - Faster research iterations
- Support future research

Workshop Goals

- Establish geoscience community expectations and requirements for digital data management support.
- Are new services needed to complement existing NSF funded data management facilities by providing:
  - Data management planning support resources for the general community?
  - Repository services for researchers who have data that do not fit in any existing repository?

Workshop Structure

- Four sessions organized by theme:
  - What is the existing landscape and what gaps exist in that landscape for data producers and users? -Today
  - What would you like to have and why? –Wed AM
  - What is realistic/doable with constraints? -Wed PM
  - How do you move forward and build upon this discussion with your community? –Thurs AM
- Plenary talks followed by breakout discussion for each session:
  - Produce 1 to 2 key points to be included in workshop report.
  - Breakout room assignment according to badge colors.

Workshop Outputs

- Workshop report -Actionable set of recommendations to NSF on how to move forward.
  - Seeded with information gathered in plenaries and breakout discussions.
  - Drafted by organizing committee, provided to workshop participants for final review.
- Publish workshop outcomes to peer reviewed journal.
- **Please contribute to the plenary and breakout session notes documents, linked to in the agenda.**

Workshop Logistics

- Breakout group assignments according to colored dots on your name badge.
- Lunch provided Wed in CG1 cafeteria ~12:15 PM –let the cashier know that you are part of the GeoDaRRS workshop.
- Icebreaker on Wednesday following workshop ~5:00 PM – CG1 covered patio.
- Light breakfast provided on Thurs at 8:00 AM adjacent to the CG1 South Auditorium.
- Restrooms are located to the right of the north side exit doors.

Workshop Steering Committee

- <u>Local Coordinators</u>
  - Sophie Hou, NCAR CISL
  - Greg Stossmeister, NCAR EOL
  - Matt Mayernik, NCAR Library
  - Doug Schuster, NCAR CISL
- <u>Community Experts</u>
  - Tran Nguyen, UC Davis
  - Fuqing Zhang, Penn State University
  - Robert Downs, CIESIN, Columbia University
  - Mohan Ramamurthy, Unidata
  - Danie Kinkade, BCO-DMO

Today's Agenda 8/7 PM

- Review pre-workshop survey results. –Matt Mayernik, NCAR
- What is the existing landscape and what gaps exist in that landscape for data producers and users?
  - 1:50 PM – 3:10 PM Plenary talks.
  - 3:10 PM – 3:30 PM Break –Coffee provided.
  - 3:30 PM – 4:45 PM Breakout sessions –room assignment based on badge dot color.
  - 4:55 PM – 5:25 PM Breakout group reports and preview tomorrow.