Community for Data Integration
November Monthly Meeting

November 10, 2021

Leslie Hsu, Amanda Liford, Grace Donovan
CDI Facilitators
Advancing data equity.

Equity is the quality of being fair and impartial.

Equity in data is a theme that includes:

1) approaching data collection with the goal of unbiased representation and
2) considering the audience for data delivery and reducing barriers to broad access and understanding, especially for underserved communities

Advancing equity with data.
Data for Equity

The Census Bureau is committed to producing data that depict an accurate portrait of America, including its underserved communities.

- We provide a wealth of data by key demographic variables such as race, ethnicity, sex, disability, income, and veteran status to help measure equity.
- We supply data tools that help the public and policy makers understand the issues surrounding inequities and enable them to propose effective, data-based solutions.
- And among other uses, Census Bureau data can provide metrics to show assistance programs' progress and outcomes.
Accessing Community Resilience Estimates for Disaster Preparedness

Community resilience is the capacity of individuals and households to absorb, endure, and recover from the health, social, and economic impacts of a disaster such as a hurricane or pandemic. When disasters occur, recovery depends on the community's ability to withstand the effects of the event. In order to facilitate disaster preparedness, the Census Bureau has developed new small area estimates, identifying communities where resources and information may effectively mitigate the impact of disasters.

Video link: https://www.youtube.com/watch?v=oYPJ9bzr-9k
Past CDI project sightings
Past CDI project sighted: Oct 27 and Nov 11

What is the mdEditor?

Web application for authoring and editing metadata, for projects, datasets, documents and other spatial and non-spatial resources.

Web-based Metadata Editor - https://www.mdeditor.org/

Edit, Import and Export
- Metadata Records
- Contacts
- Data Dictionaries
Past CDI project sighted: Nov 3, 2021

Data Management Training Clearinghouse
Past CDI project sighted: Nov 9, 2021

FAIR data roadmap for USGS
CDI RFP Phase 1 Update

Vote on statements of interest by midnight Nov 12.

BALLOT sent to CDI members October 27.
Today’s topics

Disciplinary data standards: an example and primer
Abby Benson, USGS

Text tools for automated and reproducible research: Markdown and LaTeX
Richie Erickson, USGS

Statistics Challenges
Highlights from Recent Data Meetings
CDI Confluence Migration
CDI facilitators
What’s Happening Around the CDI

For more information on any of the collaboration areas, see https://my.usgs.gov/confluence/x/yhv1I
Open Now: Risk Research and Applications FY22 Requests for Proposals! This year's theme is *Risk Multipliers*.

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>October 21, 2021</td>
<td>RFP informational webinar</td>
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<tr>
<td>December 1, 2021</td>
<td>Deadline for Letter of Intent (required)</td>
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<tr>
<td>January 28, 2022</td>
<td>Deadline for Proposals</td>
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<tr>
<td>February, 2022</td>
<td>Panel Meeting (exact date TBD)</td>
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<tr>
<td>March 21, 2022</td>
<td>Awards announced</td>
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<tr>
<td>August, 2022</td>
<td>Face-to-face meeting (exact date and format TBD)</td>
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<tr>
<td>October 1, 2022</td>
<td>Progress report deadline and check-in meeting (see below)</td>
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<tr>
<td>March 31, 2023</td>
<td>All work must be completed. Award funding must be expended (not just obligated).</td>
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<tr>
<td>June 30, 2023</td>
<td>Summary reports due</td>
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Next Event:

- **Office Hour:**
  - December 1, 2021, at 3pm ET/1pm MT
    - Selecting discussion/Presentation topics for 2022

- **Resource Review:**
  - November: User Interface Design Elements

Past Event:

- **Office Hour:**
  - October 6 and 20, 2021, at 3pm ET/1pm MT
    - User Centered Design Process – Evaluation (presentation, discussions, and demos)
      - First click testing
      - Impression testing

- **Resource Review:**
  - September: Usability guidelines and heuristic principles

Next event: Monday, December 13, 2021
• GeoPackage Overview and USGS Use Cases – Greg Cocks

Past event: Monday, November 8, 2021
• Future of CSDGM Metadata Tools at the USGS – Viv Hutchison

***Please fill out survey about your use of USGS Metadata Tools***:
https://forms.office.com/g/fq64L4htj9

• Science Data Catalog (SDC) Dashboard: A New Tool for Understanding the Success and Health of Records Submitted to the SDC – Lisa Zolly

https://my.usgs.gov/confluence/display/cdi/DMWG+Meeting+2021_11_08
Next event:
23 November Bathymetry Research Coordination Meeting
Meeting convenes at 3:00 pm central time

Microsoft Teams meeting
Join on your computer or mobile app
Click here to join the meeting

Past event:
25 October Bathymetry Research Coordination Meeting
Notes
November 2021
Geomorphology

Group Contacts: Jess LeRoy
jleroy@usgs.gov

Next event: Geomorphology Seminar ([Teams link](#))
Nov 16th at 12pm central
Speaker: Cynthia Miller-Corbett
Topic: USGS Bathymetric and Topobathymetric Data Inventory

Past event:
[Oct 26, 2021 Seminar Recording](#)
Title: Veins of the Earth (VotE): a fusion of global-scale, river-centric geospatial datasets for rapid modeling frameworks
Speaker: Jon Schwenk, LANL

Click here to join the Geomorphology listserv!
Next event:
Thursday Dec 2nd at 3pm EST
Africa Flores  NASA-SERVIR

Past event:
Beyond Bars and Box Plots – Chart alternatives and how to create and style them with ggplot2
Cédric Scherer  Recording available here
November 2021
Environmental DNA (eDNA)

Group Contacts:
Jason Ferrante
jferrante@usgs.gov

Damian Menning
dmenning@usgs.gov

Next event: None currently

Past event: The Government eDNA working group's 5th Annual eDNA Technical Exchange Workshop (GeDWG 5eDTEW)
Recorded talks on available through our wiki
https://my.usgs.gov/confluence/pages/viewpage.action?pageId=717819407
November 2021
Imagery Data

Group Contacts:
Frank Engel  
 fendel@usgs.gov

Cian Dawson  
cbdawson@usgs.gov

Upcoming events:
Discussion: Imagery Data Management workflows from collection to release (date TBD)

Camera-Based Monitoring Workshop:
Two half-day sessions, Jan/Feb 2022

Stay tuned for details!

Recent event:
Introducing the Hydrologic Imagery Visualization and Information System (HIVIS)
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Statistics Challenges
Polls

Join at slido.com #CDINOV
Two upcoming courses

**QW2306 Statistical Techniques for Trend and Load Estimation**
Virtual, January 24–28, 2022, 9 AM–4 PM, Central Time
Cost is $1,100.
Register in DOITalent.

**QW1075 Statistical Methods for Environmental Data Analysis**
Virtual, March 7–11, 2022, 9 AM–4 PM, Central Time
Cost is $950.
Register in DOITalent.

**Contact:** kryberg@usgs.gov
Recent Data-Related Meetings
Virtual SciDataCon 2021

Making Your Data Center and Services Ready for AI: Case Studies

19 October 2021

scidatacon.org

#SciDataCon21
RDA 18th Plenary Meeting - Virtual

Home » Plenaries » RDA 18th Plenary Meeting - Virtual
Plenary Session

The plenary session included remarks from Jason Duke, Chief Data Officer, Deb Rocque, Assistant Director Science Applications, Paul Gibson, Chief Information Officer and Assistant Director Information Resources and Technology Management, Tod Dabolt DOI CDO, Lightning Talks, Data Governance Board panel discussion, and keynote speaker Kim Valentine (NOAA).

October 25-28, 2021

Introduction to Data Management for Supervisors, Managers, and Team Leads

Wonder what you need to do for data management as a supervisor, manager, or team lead? Do you know what your first steps might be to meet the Service's new Data Management Policy? This short course will focus on answering your questions about data management.
1. Our access to Confluence wiki is ending in early 2022
2. CDI has ten years of content on the wiki
3. We are in the process of migrating our content
CDI Wiki Space

Purpose

1. store things that we have done. (slides, notes, recordings)
2. see what is coming up. (calendars, agendas)
3. work together on things like the ongoing Proposals process
Confluence Wiki Migration

Join at slido.com #CDINOV
Vote by November 12 on the CDI statements

- Members of the CDI-all mailing list receive a ballot
- Consider all Statements of Interest (SOIs) before voting
- Distribute 15 votes among SOIs, maximum of 3 votes to a single SOI