



USGS Community for Data Integration

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► CSCCE Community Profile

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COMMUNITY OVERVIEW

The Community for Data Integration (CDI) was created in 2009 by the U.S. Geological Survey (USGS) to grow the knowledge base in data integration and management in the Earth sciences. CDI members (more than 80% of whom are USGS employees) include researchers, data managers, information technologists, and other practitioners in government, academia, and industry. The CDI fosters an environment for collaboration and sharing by bringing together members from segments of the Earth science community who may not normally interact. Most activity occurs online and includes monthly webcalls using Microsoft Teams, interaction in a dedicated online community platform through Confluence (Atlassian), an annual proposal process, topical collaboration areas (working groups), as well as online trainings and workshops. They also host a biennial in-person workshop. The CDI is primarily funded by the Science Analytics and Synthesis program in the USGS Core Science Systems Mission Area.

- DATA SCIENCE
- INTERDISCIPLINARY
- KNOWLEDGE GENERATION
- PROFESSIONAL DEVELOPMENT
- SKILLS DEVELOPMENT
- STANDARD SETTING
- MULTI-STAKEHOLDER COLLABORATION

► Website: usgs.gov/cdi

COMMUNITY BASICS



150 core members within a broader community of 1650



Mostly online with some in-person events



National (United States)



Mostly open, with some events restricted to USGS employees



Community of practice (knowledge sharing)

These numbers are an estimate

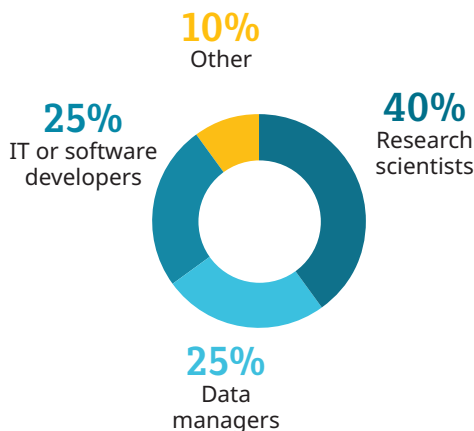
COMMUNITY STRUCTURE

Community Management

Community management is provided by 1.0 FTE **Coordinator** (official job title is “physical scientist”) and 0.25 FTE **Facilitators** (2). Additionally there is a group of ~30 (~10-15 active) **subgroup leads** and other **interested volunteers** who meet bi-weekly to provide feedback and input on the community direction. Also, the **“sponsors”** (directors above the coordinator) provide guidance/direction.



Members*



Community Configuration



**These numbers are estimated*

USGS Community for Data Integration

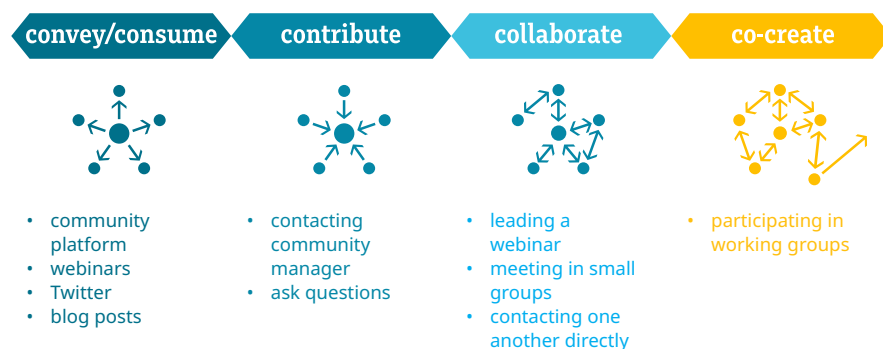
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PROGRAMMING

The CSCCE Community Participation Model describes four modes of member engagement that can occur within a community: CONVEY/CONSUME, CONTRIBUTE, COLLABORATE, and CO-CREATE. All modes may be present at once, with some members interacting in multiple modes - or a community may have member engagement that falls into only some of the modes described. The model enables the mapping of community member behaviors to programming and other infrastructural support that the community manager, convening organization, or funder may provide to the community. For more information, see the [CSCCE community participation model](#).

IN THIS COMMUNITY

Online activities include discussions in a dedicated community platform (Confluence by Atlassian), group emails, webinars, topical collaboration areas, and trainings. Offline activities include project meetings, a biennial in-person workshop, and additional workshops.



OUTPUTS & EVALUATION

✓ **Success looks like an open and active environment where members feel comfortable asking questions, sharing knowledge, and providing actionable information. Several broadly-useful funded-project outputs per year.**

Evaluation and Reporting

- Community member surveys
- Reports for leadership or funders

Challenges

- Low member activity
- Evaluation
- Time management
- Balancing member needs
- Government restrictions

Opportunities

- New events
- New working groups
- Diversify digital engagement
- Senior stakeholder buy-in

Successes over the last year

- Growth** – adding new members
- Growth** – adding additional sub-communities or working groups
- Engagement** – increased activity of members (commenting or attending)
- Engagement** – in-person event
- Productivity** – co-creating community outputs
- Recognition** – awards/articles/invitations
- Recognition** – members see value



COMMUNITY TOOLBOX

Communications

- | | |
|---------|-----------------|
| Email | Gitlab |
| Blog | Microsoft Teams |
| Twitter | |

Productivity

- | | |
|----------------------|-------------------------|
| Microsoft Office 365 | Confluence by Atlassian |
|----------------------|-------------------------|

FUNDING

100%
Parent organization



Funding Streams

- 100% parent organization (USGS)

Members can apply for travel stipends for internal events and pilot project funding through CDI.