

2021 Proposals

This page describes the Fiscal Year 2021 Community for Data Integration (CDI) Request for Proposals (RFP). Please watch this page for updates throughout the proposals process.

If you have any questions, get in touch with us at cdi@usgs.gov.

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2021 Awarded Projects

Congratulations to the following project teams!

Lead PI	Title
Itiya Aneece	Processing a new generation of hyperspectral data on the Cloud using Pangeo
Matthew Cashman	From reactive- to condition-based maintenance: Anomaly predictions and automated review for USGS time-series data
Kara Doran	Making USGS/NOAA Total Water Level and Coastal Change Forecast data accessible through user-friendly interfaces
Thomas Gushue	Modernizing sensor data workflows to leverage Internet of Things (IoT) and cloud-based technologies
Todd Hawbaker	Landsat-derived fire history metrics to provide critical information for prioritizing prescribed fire across the Southeast
Sue Kemp	GIS Clipping and Summarization Tool for Points, Lines, Polygons, and Rasters
Ellis Margolis	Delivering the North American tree-ring fire history network through a web application and an R package
Birgit Peterson	Improving forest structure mapping and regeneration prediction with multi-scale lidar observations
Sasha Reed	Diverse data to improve Southwest fire forecasts: Joining novel remote sensing, post-fire dynamics, and intra-annual precipitation patterns
Francis Rengers	Advancing Post-Fire Debris Flow Hazard Science with a Field Deployable Mapping Tool
Tara Root	Development of a web-based tool for coastal water resources management
Douglas Shinneman	The Wildfire Trends Tool: a data visualization and analysis tool to facilitate land management needs and scientific inquiry
Phillipe Wernette	Coast Train: Massive Library of Labeled Coastal Images to Train Machine Learning for Coastal Hazards and Resources

Phase 2 Full Proposal Invitations

Project PIs were notified by email of their status on December 3, 2020.

Full proposals are due on January 28, 2021, and instructions are included in the [CDI RFP Guidance Document](#).

Additional information can be found on a [Q&A page for full proposal submitters](#).

Phase 1 Voting Results

27 Statements of Interest have been invited back for full proposals (PIs were notified on December 3, 2020).

Community voting results can be seen at the page [2021 Community Voting Results](#).

Commenting and Voting on Statements of Interest (Phase 1)

Commenting on the FY21 Statements of Interest begins midday on October 20, 2020. CDI members will receive an email notification. You can join the CDI ([join here](#)) and participate in commenting and voting if you join by the end of the day on October 23. Voting will be open from October 28 to November 13.

A recording of the **October 22 Lightning Presentation Session** is posted at this page: [Lightning Presentation Session](#)

[FY21 Statements of Interest](#)

FY21 CDI RFP Statement of Interest Lightning Session

Slides, recording, and notes sheet can be accessed at

[Lightning Presentation Session materials](#)

Why do we have the Community for Data Integration Request for Proposals?

Have an idea for a project but aren't sure if it's appropriate for the CDI RFP? Make sure your idea aligns with the following two statements.

The purpose of the CDI RFP is to build USGS capabilities in data integration and management.

The CDI RFP increases communication across boundaries and creates opportunities to work with people outside of your normal program.

CDI projects are short-term | leverage existing resources | demonstrate scalable solutions | improve access to data and tools | develop best practices | share lessons | involve interdisciplinary teams | can be modified for reuse | communicate their value to the wider USGS.

The proposals process involves commenting and voting from your peers | new collaborations | communicating without disciplinary jargon | community-building.

How does the proposals process work?

The CDI RFP is a community-driven, two-phase process.

Phase 1: Community commenting and voting on short statements of interest

Phase 2: Full proposals evaluated by a formal review panel and the CDI sponsors

Timeline: The entire process is completed within one fiscal year.

Funding: Maximum \$50,000 request for salary, travel, and other expenses. Projects must specify in-kind funds of at least 30% of the request to demonstrate commitment to effort.

Tentative Schedule

Date	
September 9, 2020	RFP Announcement
September 23, 2020	RFP Information Session, 3pm ET
October 16, 2020	Statements of Interest (SOI) Due, 5pm ET
October 20, 2020	Comment Period Begins
October 22, 2020	SOI Lightning Presentation Session, 2-3:30pm ET
October 28, 2020	SOI Voting Opens
November 13, 2020	SOI Voting Period Closes
Early December, 2020	Invite Full Proposal Submissions
January 28, 2021	Full Proposals Due
March 2021	Awarded Projects Announced
September 30, 2021	Awarded Funds must be spent

Collaboration Forum

If you have an idea but need some collaborators, we encourage you to start looking for CDI collaborators or feedback using the [channel "FY21 RFP Collaboration Forum" set up in the CDI MSteam](#).

More information about the CDI Microsoft Team can be found [here](#).

Downloads

Guidance Document

You will need to read the information in this document to successfully complete a submission.

The document below has been updated with Phase 2 (full proposal) instructions.



CDI_FY21_Reque...als_Phase2.pdf

Templates

Full Proposal Template



LastName-CDI-FY...llProposal.docx

[LastName-CDI-FY21-FullProposal.docx](#)

Statement of Interest Template

You must use the Phase 1 Statement of Interest Template: [LastName-CDI-FY21-SOI.docx](#)

Use the **DESKTOP** version of Microsoft Word to fill out the template.



LastName-CDI-FY21-SOI.docx

Example of a completed template here: [Hsu-CDI-FY21-SOI-Example.docx](#)

Phase 2 templates will be available later.

FY21 CDI RFP Information Session - Wednesday, September 21, 3-4pm Eastern

Wednesday, September 23 at 3 pm ET: Learn more about the CDI, the two-phase RFP process, community voting, and the evaluation criteria used to select proposals. This valuable insight is strongly recommended for anyone planning to submit a statement of interest. The webinar will be recorded for those not able to make the session.

Webinar slides and recording:

- Slides: [CDI_FY21_RFP Information Session.pdf](#)
- Audio recording: [FY21-CDI-RFP-Information-Session-audioonly.m4a](#)
- Video recording where visuals got stuck 7 minutes in for unknown MS Teams issue, but all audio is captured: [FY21-CDI-RFP-Information-Session-vid-to-7-min.mp4](#)