

# 2021 Community Voting Results

The CDI sent out ballots for voting on October 28, with the voting open until November 13, 2020.

1756 ballots were distributed to CDI members and 157 ballots were returned.

Each voter was given 15 votes to distribute among the 36 statements of interest. Voters were allowed to assign 0-3 votes per statement.

## Results

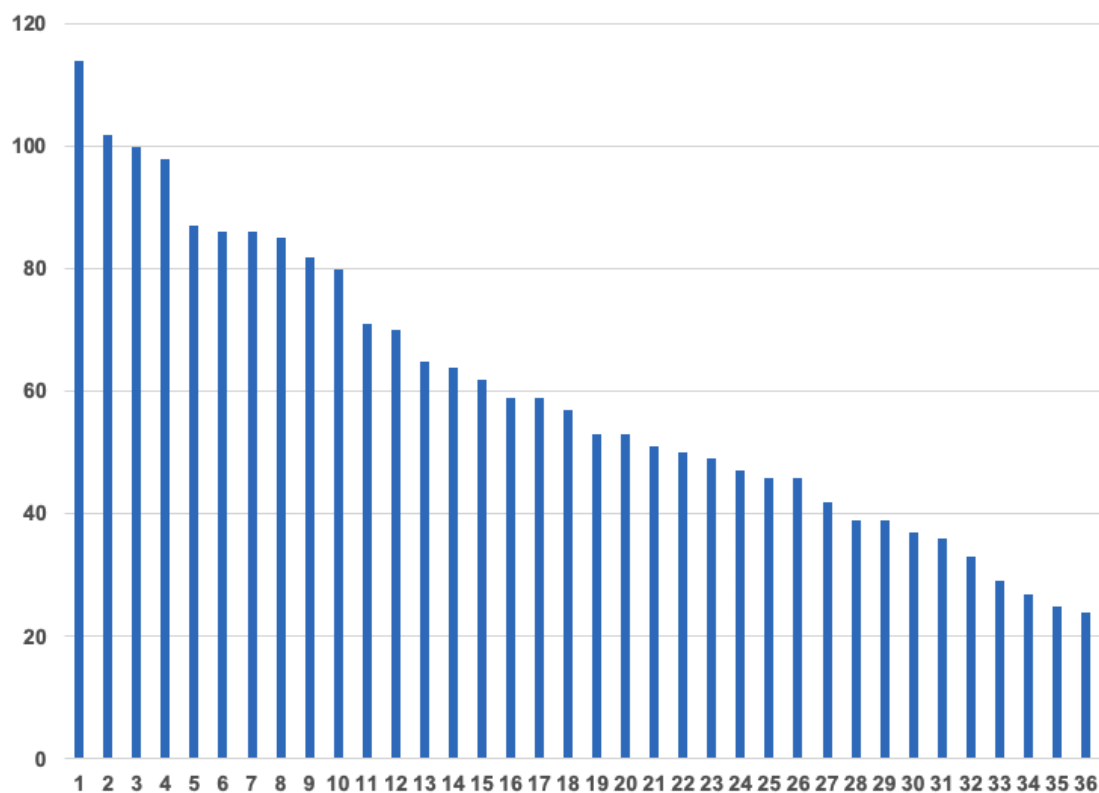
Voting totals are shown below.

**The top 27 statements have been invited back for full proposal submission).**

The decisions were finalized after briefing the CDI's executive sponsors, Kevin T. Gallagher and Tim Quinn.

Point totals, USGS priorities, and CDI guiding principles (such as broad use of proposed outputs) were considered.

All Lead PIs were notified by email on December 3, 2020.



The 27 statements invited for full proposal are listed below.

An Imagery "ID" System ... Building an "Imagery Dashboard" for rapid and efficient publication of USGS data.	Sandra Brosnahan	Woods Hole Coastal and Marine Science Center
Landsat-derived fire history metrics to provide critical information for prioritizing prescribed fire across the Southeast	Todd Hawbaker	Geosciences and Environmental Change Science Center
Coast Train: Massive Library of Labeled Coastal Images to Train Machine Learning for Coastal Hazards and Resources	Phillipe Wernette	Pacific Coastal and Marine Science Center
Making USGS/NOAA Total Water Level and Coastal Change Forecast data accessible through user-friendly interfaces	Kara Doran	St. Petersburg Coastal and Marine Science Center
Joining diverse data to improve fire forecasts for the western U.S.: Incorporating hot drought and intra-annual precipitation variability	Sasha Reed	Southwest Biological Science Center

Operationalizing ecological drought forecasts for drylands of the Western US using high performance computing	John B Bradford	Southwest Biological Science Center
burnrData: The North American tree-ring fire history database in R	Ellis Margolis	Fort Collins Science Center, New Mexico Landscapes Field Station
Integrating Satellite-Derived Shoreline Data and Predictive Models to Enhance Coastal Change Forecasts	Sean Vitousek	Pacific Coastal and Marine Science Center
Building opportunities for data collaboration and integration across USGS's wildland fire science	Kurtis Nelson	Earth Resources Observation and Science Center
Processing a new generation of hyperspectral data on the Cloud using Pangeo	Itiya Aneece	Western Geographic Science Center
Fire and Water - Integrating Precipitation and Fire Data into StreamStats	Theodore Barnhart	Wyoming-Montana Water Science Center
From reactive- to condition-based maintenance: Anomaly predictions and automated review for USGS time-series data	Matthew Cashman	Maryland-Delaware-D.C. Water Science Center
Modernizing sensor data workflows to leverage Internet of Things (IoT) and cloud-based technologies	Thomas Gushue	Southwest Biological Science Center
The Wildfire Trends Tool: a data visualization and analysis tool to facilitate land management needs and scientific inquiry	Douglas Shinneman	Forest and Rangeland Ecosystem Science Center
Improving forest structure mapping and regeneration prediction with multi-scale lidar observations	Birgit Peterson	Earth Resources Observation and Science Center
Site Prioritization Tool for Invasive Species: Integrating Diverse Spatial Data to Improve Decision Making	Janet Prevey	Fort Collins Science Center
Advancing Post-Fire Debris Flow Hazard Science with a Field Deployable Mapping Tool	Francis Rengers	Geologic Hazards Science Center
#MinutesMatter: Real-time data collection and transmission in wildfire burn scars	John Fulton	Colorado Water Science Center
A framework for the integration of energy life cycle data to support environmental health assessments, identify science gaps, and EarthMAP	Adam Benthem	New England Water Science Center
Coupled Ocean-Atmosphere-Wave-SedimentTransport (COAWST) Modeling System 2021 Training Workshop	John C Warner	Woods Hole Coastal and Marine Science Center
Predicting successful post-fire reforestation: scaling from data to application	Jens Stevens	Fort Collins Science Center, New Mexico Landscapes Field Station
GIS Clipping and Summarization Tool for Points, Lines, Polygons, and Rasters	Sue Kemp	Forest and Rangeland Ecosystem Science Center
Analysis and Prediction Tool for Coastal Resilience	Tara Root	Caribbean-Florida Water Science Center
Standardizing, aggregating and disseminating USGS wildlife genetic data for improved management and advancement of community best practices	Margaret Hunter	Wetland and Aquatic Research Center
Integrated Science Outreach Application for Local Stakeholders	Katharine Dahm	Office of the Rocky Mountain Regional Director
A modeling framework to forecast land cover change impacts on coastal wetland carbon in Louisiana	Camille L Stagg	Wetland and Aquatic Research Center
Integrating data to Explore Interactions, Controls, and Heterogeneity in Harmful Algal Blooms (HABS)	Liv Herdman	New York Water Science Center

## Comments that came in through the ballots

The comments this year were positive (usually we see more suggestions on how to improve) and indicative of the high quality of the statements.

Comment 1 All options were great! Wish I could have voted for all.

Comment 2 Great projects!

Comment 3 Great proposals. I wonder how a rank choice system might work in future years? Gave most points to Benthem et al. because updating the energy maps is super important and would be useful for multiple wildlife projects. Thanks for all your hard work organizing these.

Comment 4 I thought everyone did a great job of explaining their projects during the lightening talks round. And I am really pleased and delighted at the all the wildfire applications I see. So timely!

Comment 5 I tried to assign votes to proposals that were in the thread of the main themes, Fire Science and Coastal Resilience, and to ones that were focused on the data and tools, and not basic research.

Comment 6 CDI rocks!

Further comments are invited in the comments to this page (you must be logged in to the wiki to see that option) or sent to us at [gs\\_cdi@usgs.gov](mailto:gs_cdi@usgs.gov).