

2021 Community for Data Integration Workshop: Designing Data-Intensive Science

May 25-28, 2021, online

This DRAFT agenda is provided for planning purposes. An online, interactive agenda link will be sent to all registered attendees.

Version: 4/6/21

Questions? Email cdi@usgs.gov

Tuesday, May 25	11:00 am - 12:30 pm EDT	Plenary 1: Welcome; Data-Intensive Science at the USGS	Kevin T. Gallagher, Tim Quinn, David Applegate, Geoff Plumlee
	1:30 pm - 3:00 pm EDT	Concurrent Breakout Sessions 1:	<p>Reclamation Use of Data Management and Science for Water Resource Applications Session Lead: Drew Loney</p> <p>Using AI/ML to advance USGS Science (Combined with CHS Advancing AI/ML in the Cloud) Session Leads: JC Nelson, Pete Doucette, Eric Larson</p> <p>USGS Shared Software Resources Session Leads: Carl Schroedl</p> <p>How to talk to your data manager/scientist – Breaking the ice Session Leads: Jason Ferrante, Madison Langseth</p>
	4:00 pm - 5:30 pm EDT	DataBlast 1: Lightning Talks	As submitted by attendees
Wednesday, May 26	11:00 am - 12:30 pm EDT	Plenary 2: Keynote; State of the Data; Powell Center	
	1:30 pm - 3:00 pm EDT	Concurrent Breakout Sessions 2:	<p>Making Connections through Data Integration Session Lead: Elizabeth McCartney</p> <p>Cloud Optimized File Formats: What's new in ScienceBase and Strategies for Data Managers Session Lead: Drew Ignizio</p> <p>Online Imagery Data Storage and Release: Current State of the Science and Future Directions Session Leads: Frank Engel; Cian Dawson; Evan Dailey; Seth Ackerman; Joe Adams; Sandy Brosnahan; Dennis Walworth</p> <p>Effective Communication Session Leads: Science Gateways Community Institute</p>
	4:00 pm - 5:30 pm EDT	DataBlast 2: Interactive Poster and Demo session in Gather.town	Co-hosted by the Earth Science Information Partners
	6:00 pm - 7:00 pm EDT	Informal Networking Events on Gather.town	Co-hosted by the Earth Science Information Partners

Thursday, May 27	11:00 am - 12:30 pm EDT	Concurrent Breakout Sessions 3: USGS Cloud Hosting Solutions - Advancing 21st Century Science Session Leads: Jennifer Erxleben, Dionne Zoanni, Eric Larson Records Management: Winds of Change Session Leads: Matt Arsenault, Chris Bartlett, Ed Olexa, Larry Reedy Integrated modeling at the USGS - what do we need? Session Lead: Leslie Hsu Data-Intensive Science in Action at the USGS Session Lead: Jeanne Jones
	1:30 pm - 3:00 pm EDT	Plenary 3: The Future of Data-Intensive Science; Award Ceremony
	4:00 pm - 5:30 pm EDT	Concurrent Breakout Sessions 4: USGS Roadmap to enable FAIR Principles Session Leads: Fran Lightsom, Viv Hutchison Market & Audience Assessment Session Leads: Science Gateways Community Institute The Cloud in Action – How Centers are using Cloud Hosting Solutions for Data-intensive Workflows & Running Scientific Models Session Leads: Kirstie Haynie, Mike Hearne, Heather Schovanec, Courtney Neu, Eric Larson, Dionne Zoanni Updates to the Data Storage and Transport Ecosystem for Research Computing Session Leads: Jeff Falgout, Janice Gordon
Friday, May 28	11:00 am - 12:30 pm EDT	Concurrent Breakout Sessions 5 (Workshops): Globus 101: Introduction and Basics to Moving and Sharing Data with Globus Session Leads: Vas Vasiliadis, Jeff Falgout, Janice Gordon R Workshop: accessing the USGS National Map and making 3D maps with terrainR Session Lead: Colleen Nell Cleaning data with OpenRefine Session Lead: Ricardo McClees-Funinan A fun, fast hands-on introduction to the user-centered design process (Combined with Making USGS science more usable) Session Leads: Joe Bard, Sophie Hou, Rachel Volentine
	1:30 pm - 3:00 pm EDT	Concurrent Breakout Sessions 6: Advanced Scientific Computing in the USGS Session Leads: Courtney Neu, Janice Gordon Increasing the Value of USGS Data Management Plans Session Leads: Madison Langseth, Elizabeth Sellers, Amanda Liford, Grace Donovan Semantic Web 101 Session Leads: CDI Semantic Web Working Group The fundamentals of design for scientific data visualization Session Leads: Colleen Nell, Ellen Bechtel, Sophie Hou