



And Partners

## 2024 NSDF All Hands Meeting

Wednesday: 12:00 PM - 17:00 PM

Thursday: 08:00 AM - 17:00 PM

Friday: 08:00 AM - 13:30 PM

### Wednesday, 28 February

12:00-13:30	<b>Lunch</b>
13:30-14:00	<b>Welcome</b> Valerio Pascucci and Michela Taufer
<b>Session Chair:</b> Michela Taufer	
14:00-15:00	<b>Tutorial: Using NSDF for End-to-End Analysis of Scientific Data</b> Heberth Martinez, UTK Aashish Panta, Utah Giorgio Scorzelli, Utah
15:00-15:30	<b>Coffee Break</b>
<b>Session Chair:</b> Attila Gyulassy	
15:30-15:45	<b>Globus Platform as a Service</b> Kyle Chard, Globus
15:45-16:00	<b>Decomposing Data Systems for Better Performance</b> Fernanda Foertter, Voltron
16:00-16:15	<b>Democratized Data Discovery and Access: Helping Communities and Repositories Adopt Science on Schema</b> Kenton McHenry, NCSA
16:15-16:30	<b>Building Blocks of Integration: An Exploration of CODATA CDIF Goals with NSDF Architecture</b> Doug Fils, Ronin
16:30-16:45	<b>Q&amp;A</b>

### Thursday, 29 February

8:00-9:00	<b>Breakfast</b>
<b>Session Chair:</b> Christine Kirkpatrick	
9:00-9:15	<b>Near-Field and Far-Field Data Distribution for ICICLE: Intelligent CyberInfrastructure with Computational Learning in the Environment</b> Marty Kandes, SDSC
9:15-9:30	<b>HDSI DataPlanet: Spurring Data-Intensive Collaborations</b> Arun Kumar, HDSI/UCSD
9:30-9:45	<b>Multi-layer Caching and Parallel Streaming for Large Scale Point Cloud Data on the Web</b> Steve Petruzza, Utah State U
9:45-10:00	<b>Data Lifecycle Technologies at Oak Ridge Leadership Computing</b> Olga Kuchar, ORNL
10:00-10:15	<b>An Overview of Pelican, OSDF, and OSPool</b> Miron Livny, U. Wisconsin Madison
10:15-10:30	<b>Q&amp;A</b>
10:30-11:00	<b>Coffee Break</b>
<b>Session Chair:</b> Michela Taufer	
11:00-12:00	<b>Keynote: The Prototype Open Knowledge Network (Proto-OKN) Fabric</b> Chaitan Baru, NSF
12:00-12:15	<b>Group Photo</b>
12:15-13:30	<b>Lunch &amp; Poster Presentations</b>
<b>Session Chair:</b> Steve Petruzza	

13:30-13:45	<b>Large Research Data Storage on Blockchain Technology</b> Scott Doughman and Sal Malik, Seal Storage
13:45-14:00	<b>The HDF5 Framework: Practical Tools for Managing Data</b> Scot Breitenfield, HDF
14:00-14:15	<b>VisStore: Seamless Acquisition, Storage, and Distribution of Massive Imagery blending Cloud, Local and HPC Storage</b> Amy Gooch, ViSOAR
14:15-14:30	<b>Monitoring the Open Science Data Federation</b> Fabio Andrijauskas, SDSC
14:30-14:45	<b>Open Data, Large-Scale Compute, and Scientific Foundation Models</b> Michael Mahoney, ICSI, LBNL, and UC Berkeley
14:45-15:00	<b>Q&amp;A</b>
15:00-15:30	<b>Coffee Break</b>
<b>Session Chair:</b> Amy Gooch	
15:30-15:45	<b>Visualizing CHES Data with NSDF Dashboards</b> Werner Sun, CHES
15:45-16:00	<b>Integrating with Materials Commons</b> Glenn Tarcea, U Michigan and CHES
16:00-16:15	<b>Sally Ride Windows on Earth</b> Dan Barstow, Windows on Earth
16:30-16:45	<b>Sharing Data across Deep Underground Experiments</b> Amy Roberts, U Colorado Denver
16:45-17:00	<b>Applications of Deep Learning for Fragment Size Analysis</b> Erwin Cazares, UTEP
18:30	<b>Dinner at Aqua Mare</b> 2282 Carmel Valley Rd., Del Mar, CA 92014
<b>Friday, 1 March</b>	
8:00-9:00	<b>Breakfast</b>
<b>Session Chair:</b> Michela Taufer	
9:00-10:00	<b>Keynote: Ushering in a New Era with Unconventional Paths and Hidden Contributors Driving Discoveries in Academia and National Labs</b> Sandra Gesing, SDSC
10:00-10:30	<b>Coffee Break</b>
<b>Session Chair:</b> Lauren Whitnah	
10:30-10:45	<b>Technology Adoption Research and the Cyberinfrastructure Community</b> Kerk Kee, Texas Tech U and CI Compass
10:45-11:00	<b>National Data Platform: Data and AI Services for All</b> Ilkay Altinas, SDSC
11:00-11:15	<b>Opportunities and Challenges at HBCUs</b> Dennis Sigur, Dillard U
11:15-11:30	<b>Democratizing Spatial Data for Climate Change Risk Assessment across Native American Nations</b> Gustavo Ovando-Montejo, Utah State U Blanding
11:30-11:45	<b>A Report on New Directions in User Community Interviews</b> Attila Gyulassy, Utah
11:45-12:00	<b>Q&amp;A</b>
12:00-13:30	<b>Boxed Lunch</b>



Supported through the US National Science  
Foundation award #2138811