



U.S. IOOS 2025 DMAC
DRAFT
ANNUAL MEETING AGENDA
April 29, 2025 – May 1, 2025

SILVER SPRING CIVIC BUILDING
 One Veterans Place
 Silver Spring, MD 20910

Virtual connection details provided after [Registration](#)

DAILY AGENDA:

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Tues (April 29): 09:00 – 10:25 Presentations/Plenary 10:25 – 10:50 Break 10:50 – 11:55 Presentations/Plenary 11:55 – 13:00 Lunch 13:00 – 14:10 Presentations/Plenary 14:10 – 15:25 Breakout Discussions 15:25 – 15:40 Break 15:40 – 15:55 Breakout Report Outs 15:55 – 16:15 Presentations/Plenary 16:50 Daily Wrap 17:00 Adjourn Day 1	Wed (April 30): 09:00 – 10:10 Presentations/Plenary 10:10 – 10:35 Break 10:35 – 11:50 Presentations/Plenary 11:50 – 13:00 Lunch 13:00 – 14:15 Breakout Discussions 14:15 – 14:25 Break 14:25 – 14:40 Breakout Report Outs 14:40 – 15:50 Presentations/Plenary 15:50 – 16:05 Break 16:05 – 16:50 Presentations/Plenary 16:50 Daily Wrap 17:00 Adjourn Day 2 17:30 Happy Hour	Thu (May 1): 09:00 – 10:45 Presentations/Plenary 10:45 – 11:15 Break 11:15 – 12:30 Presentations/Plenary 12:30 – 13:30 Lunch 13:30 – 14:30 Breakout Discussions 14:30 Close out 15:00 Meeting End

****Please note that this draft agenda is subject to changes****

Tuesday, April 29, 2025

Location: Silver Spring Civic Building:

- Spring Room (Plenary/Breakouts)
 - Ellsworth Room (Breakouts)
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0830 Arrival, coffee

0900 Introduction/Meeting Kickoff (Micah Wengren and Mathew Biddle, IOOS)

0910 US IOOS Office Updates (Becky Baltes, IOOS)

0930 Introduction to IOOS Marine Life Data Network (Matthew Biddle, IOOS)

0950 GliderDAC- System Hardening, V2 Features (Leila Baghdad Brahim, Tetra Tech and Sarina Mann, IOOS)

1010 HABDAC topics (Clarissa Anderson, SCCOOS)

1025 Break

1050 HFR and NCCF (Melissa Zweng, NOAA)

1110 Expansion to a Nationally Coordinated IOOS Passive Acoustic Monitoring Network (Lindsey Peavey Reeves, NOAA,, Carrie Wall Bell, NOAA, and Xavier Mouy, WHOI)

1135 Telling a Story with your Data: Web Portal Dashboard Integrations (e.g. route planning with OceansMap) (James Doyle, MARACOOS/TetraTech)

1155 Lunch

1300 DMAC Cloud Computing Initiatives: Overview of CO-DMAC Project & Next Steps and Cloud-Native Subsetting Tool/Service (Jonathan Joyce and Kelly Knee, TetraTech)

1330 Offshore Operations DAC Update (Kelly Knee, TetraTech, Riley Morse Young, MBARI, and Alex Kerney, MBARI)

1345 Performant Time Series Extraction and Data Visualization from Operational Gridded Datasets (Ahmad Jiha, TetraTech)

1410 Breakout Discussions:

- Cloud Native DMAC - accessing, subsetting, EDR, etc.
- Community engagement approaches, risks and benefits

1525 Break

1540 Breakout Report Outs

1555 N-PAcT: Building Partnerships to Better Understand Species on the Move (Ryan Logan, NOAA)

1615 Coastal Safety Mobile Application (Tim Kearns, GLOS)

1630 Water Level: Datum Converter (Brian Stone, TetraTech)

1650 Daily Wrap

1700 Adjourn Day 1

Wednesday, April 30, 2025

Location: Silver Spring Civic Building:

- Spring Room (Plenary/Breakouts)
 - Ellsworth Room (Breakouts)
-

0830 Arrival, coffee

0900 Welcome (Micah Wengren and Mathew Biddle, IOOS)

0910 ERDDAP™ Updates and New Capabilities (Chris John, NOAA)

0925 Unidata/THREDDS Data Server Project Update (Sean Arms, NSF Unidata)

0940 NDBC Update (Stephanie Ray and Dawn Petraitis, NOAA)

0955 Erddap2agol: Bridging ERDDAP™ and ArcGIS Online for the Next Generation of Marine Science (Jerad King, GCOOS)

1010 Break

1035 DOC's Generative Artificial Intelligence and Open Data: Guidelines and Best Practices- what it means for IOOS and DMAC? (Megan Cromwell , NOAA/NOS and Hassan Moustahfid, IOOS)

1055 AI Data Quality and Predictions (Philippe Tissot, Texas A&M and James Spore, NOAA)

1110 IFCB Data Repository and AI-enabled Classifier (Felimon Gayanilo, GCOOS)

1130 FathomNet: Accelerating the Processing of Ocean Visual Data at Scale (Kakani Katija, CeNCOOS)

1150 Lunch

1300 Breakout Discussions:

- Quality Control of Observing data using AI
- IOOS DMAC/AI Intersections

1415 Break

1425 Breakout Report Outs

1440 NOAA's Coastal Ocean Reanalysis (CORA): Cloud Optimized Data to Inform Flood Predictions Using Flood Frequency, Intensity, and Duration (Matt Conlin, NOAA, Karen Kavanaugh, NOAA, Cheryl Morse, TetraTech, and, Kelly Knee, TetraTech)

1505 IOOS Cloud Sandbox: Coastal Ocean Reanalysis/Community-Based Modeling & Sandbox Infrastructure Update (Analise Keeney and John Ratcliff, NOAA, and Patrick Tripp, TetraTech)

1535 Data-Driven Climate Readiness (Tigist Jima, NOAA)

1550 Break

1605 Sanctwatch and IOOS.us (Jai Ranganathan, NOAA)

1620 CDIP's Journey Moving 50 Years of Wave Data to AWS (Darren Wright and Hailey Johnson, CDIP)

1635 Great Lakes Bathymetry (Rationale, Inputs, Visualization, Output) (Tim Kearns, GLOS)

1650 Daily Wrap

1700 Adjourn Day 2

1730 Happy Hour (Location TBD)

Thursday, May 1, 2025

Location: Silver Spring Civic Building:

- Fenton Room (Plenary/Breakouts)
 - Colesville Room (Breakouts)
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0830 Arrival, coffee

0900 Welcome (Micah Wengren and Mathew Biddle, IOOS)

0910 IRA Topic 2 EcoChange Project Overview (TBD)

1010 IRA Topic 2 WWW Project Overview (Roxanne Carini, NANOOS, Jennifer Dorton, SECOORA, and Gabrielle Hillyer, IOOS Association)

1015 IRA Topic 2: Backyard Buoys - All Things Data (Roxanne Carini, Seth Travis, and Troy Tanner, NANOOS)

1045 Break

1115 IRA Topic 2: Water Level - data management consistency across regions: metadata, QARTOD implementation, data sharing (Jennifer Dorton, SECOORA, Carol Janzen, AOOS, and Cotie Alsbrooks, SECOORA)

1145 IRA Topic 2: Web cameras - Data & Imagery Management (Theo Jass, SECOORA)

1215 New WebCOOS tools (API client, NWLON-synchronization visualizer) (Matt Conlin, NOAA)

1230 Lunch

1330 Breakout Discussions

- IRA Topic 2: Enhancing Coordination with NOAA Data Pipelines-- Exploring current and potential future data flows from IRA Topic 2 activities into NOAA offices and programs (e.g., NDBC, GTS, NWS)
- DMAC's communities insights— how to better track data usage, provenance, credit, sovereignty through metadata and other means/ FAIR & CARE

1430 Breakout Report Outs/Daily Wrap

1500 Meeting Adjourn