



Standard Ocean Mapping Protocol Symposium

Hosted by the Interagency Working Group on Ocean & Coastal Mapping

Register here: <https://register.gotowebinar.com/register/8278195966523873805>

*The symposium will be recorded, please do not join if you do not give permission to be recorded

Part 1: October 6, 12 noon-5pm ET

Time	Topic	Presentation	Presenter
12:00-12:15		Welcome and Logistics	Ashley Chappell, NOAA
12:15-12:30		Keynote	RDML Shepard M. Smith, NOAA
12:30-2:30	Bathymetry	Introduction: 10 minutes	Paul Turner, NOAA Meme Lobecker, NOAA Jennifer Wozencraft, USACE
	Bathymetry	"Understanding and Achieving Bathymetric Coverage Required for S-44 Order 1a Surveys"	James Walton AML Oceanographic
	Bathymetry	"NOAA OER Deepwater Exploration Mapping Procedures Manual"	Shannon Hoy, NOAA

1:40-2:30	Bathymetry	“The Australian Multibeam Guidelines”	Aero Leplastrier <i>Geoscience Australia</i>
	Bathymetry	“R2R Data Services for the Academic Research Fleet”	Suzanne Carbotte, <i>Columbia University</i>
	Bathymetry	“A Data Synthesis Perspective on Ocean Mapping Best Practices: Global Multi-Resolution Topography (GMRT)”	Vicki Ferrini, <i>Columbia University</i>
	Bathymetry	“Multibeam Advisory Committee (MAC) 9 Years of Supporting the U.S. Academic Fleet’s Multibeam Echosounder Systems”	Paul Johnson <i>University of New Hampshire/ Center for Coastal and Ocean Mapping</i>
	Bathymetry	“NOAA / MAC tools for multibeam testing and remote support”	Kevin Jerram <i>University of New Hampshire/ Center for Coastal and Ocean Mapping</i>
	Bathymetry	“Near-realtime bathymetry publication, visualization, analysis, and QAQC via cloud-based web services”	Wetherbee Dorshow <i>Earth Analytic, Inc.</i>
	Bathymetry	“Simple, yet effective: Field Validation of Sound Velocity Instrumentation utilizing the Sensor to Sensor verification”	Chris Malzone <i>AML Oceanographic</i>
	Bathymetry	Written comment summary Roundtable discussion: 50 minutes	Paul Turner, <i>NOAA</i> Meme Lobecker, <i>NOAA</i> Jennifer Wozencraft, <i>USACE</i>
2:30-2:45	<i>Break</i>		

2:45-3:45	Backscatter	Introduction	Paul Turner, <i>NOAA</i>
	Backscatter	“Multibeam Backscatter Calibration”	John E. Hughes Clarke <i>University of New Hampshire/ Center for Coastal and Ocean Mapping</i>
3:05-3:45	Backscatter	“Industry Perspective on MBES Seafloor Backscatter (Workflow-Issues-Solutions)”	Garrett Mitchell, <i>Fugro</i>
	Backscatter	Written comment summary Roundtable discussion: 40 minutes	Paul Turner, <i>NOAA</i>
3:45-4:30	Side scan sonar	Introduction	Monique LaFrance Bartley, <i>NPS</i> Paul Turner, <i>NOAA</i>
4:00-4:30	Side scan sonar	Written comment summary Roundtable discussion: 30 minutes	Monique LaFrance Bartley, <i>NPS</i> Paul Turner, <i>NOAA</i>
4:30		Day 1 Closing Remarks	Ashley Chappell, <i>NOAA</i>

Part 2: October 7, 12 noon-5pm ET

Time	Topic	Presentation	Presenter
12:00-12:10		Welcome and Logistics	Ashley Chappell, <i>NOAA</i>
12:10-12:20		Recap of keynote by RDML Shepard M. Smith on NOMECS and SOMP	Ashley Chappell, <i>NOAA</i>

12:20-1:30	Data management	Introduction	Christie Reiser, <i>NOAA</i> Lora Turner, <i>BOEM</i>
	Data management	“Quality of Bathymetry Metadata”	Katrina Wyllie, <i>NOAA</i>
	Data management	“DEEP MAHALO: Mapping of Marine Habitats, Biodiversity, and the Abundance of Life in the Ocean”	Frank Muller-Karger <i>University of South Florida</i>
1:00-1:30	Data management	Written comment summary Roundtable discussion: 30 minutes	Christie Reiser, <i>NOAA</i> Lora Turner, <i>BOEM</i>
1:30-1:45	<i>Break</i>		
1:45-2:30	Subbottom	Introduction	Jim Flocks, <i>USGS</i> Jeff Danielson, <i>USGS</i>
	Subbottom	“Sub-bottom (SBP) Profiler Data”	Kevin Smith, <i>Fugro</i>
	Subbottom	“Getting the most out of chirp data: processing and optimizing full-waveform and envelope records for high-resolution imaging”	John A. Goff <i>University of Texas Institute for Geophysics</i>
2:05-2:30	Subbottom	Written comment summary Roundtable discussion: 25 minutes	Jim Flocks, <i>USGS</i> Jeff Danielson, <i>USGS</i>
2:30-3:15	Water column	Introduction	Chris Taylor, <i>NOAA</i> Carrie Wall Bell, <i>NOAA</i>
	Water column	“Water Column Backscatter: Beyond Fisheries”	Larry Mayer & Tom Weber <i>University of New Hampshire/ Center for Coastal and Ocean Mapping</i>

2:50-3:15	Water column	“Industry Perspective on MBES Water Column Backscatter (Workflow-Issues-Solutions)”	Garrett Mitchell, <i>Fugro</i>
	Water column	Written comment summary Roundtable discussion: 25 minutes	Chris Taylor, <i>NOAA</i> Carrie Wall Bell, <i>NOAA</i>
3:15-3:45	Magnetometer	Introduction	Brandi Carrier, <i>BOEM</i> Lora Turner, <i>BOEM</i>
	Magnetometer	“Magnetometer data”	Kevin Smith, <i>Fugro</i>
	Magnetometer	Roundtable discussion: 25 minutes	Brandi Carrier, <i>BOEM</i> Lora Turner, <i>BOEM</i>
3:45-4:00		Closing Discussion & Remarks: Are we on the right track with the SOMP components, and what we expect the sections to cover? Are we on the right track for the particular component you are interested in? Are there topics or issues you did not hear that you want to make sure to get a mention? After listening, is there anything else you want us to consider or follow up on?	Ashley Chappell, <i>NOAA</i>