

# Virtual Public Meeting Agenda – Spring 2021\*

## NOAA Hydrographic Services Review Panel

### Federal Advisory Committee

Wednesday, March 3, 12:45-5:30pm EST

Thursday, March 4, 1-5:00pm EST

\*Topics, times and speakers are subject to change. Please refer to the website for the most updated agenda.

WEBINAR link: <https://attendee.gotowebinar.com/register/6060715212000442635>

HSRP materials: <https://www.nauticalcharts.noaa.gov/hsrp/meeting-webinar-March-April-2021.html>

---

## Wednesday, March 3, 2021, 12:45-5:30pm EST

**12:45 – 1:00** *HSRP Member Welcome and Roll Call - alpha order*

**1:00 – 1:50** *Opening and Introductions*

- **Rear Admiral Shepard Smith**, Director, Office of Coast Survey (OCS), National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), and HSRP Designated Federal Official
- **Rear Admiral (select) Richard Brennan**, Director (select), OCS, NOS, NOAA, and HSRP Designated Federal Official
- **Ed Saade**, HSRP Chair, Group Director, Americas Region, President USA, Fugro
- **Rep. Charlie Crist**, U.S. Representative, Florida's 13th congressional district (via video)
- **Benjamin Friedman**, Deputy Under Secretary for Operations, performing the duties of Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator
- **Nicole R. LeBoeuf**, Acting Assistant Administrator, NOS, NOAA

**1:50 – 2:50** *Updates: Opportunities and Challenges for NOS's Navigation Services Portfolio*

Moderator: **Nicole R. LeBoeuf**, Acting Assistant Administrator, NOS, NOAA

*Directors address NOAA's navigation services portfolio in support of "seamless data" including the coastal data and information systems to support planning for resilience to climate change. The National Spatial Reference System (NSRS) modernization efforts and flood plain management, nearshore bathymetry, sea level rise, and an update on the plans to address and implement two ocean and coastal mapping strategies "Establishing a National Strategy for*

*Mapping, Exploring, and Characterizing the U.S. EEZ” (NOMECE), and the Alaska Coastal Mapping Strategy (ACMS).*

- **Rear Admiral (select) Richard Brennan**, Director (select), OCS, NOS, NOAA  
*Update on NOMECE implementation plan and highlight of priorities for OCS.*
- **Juliana Blackwell**, Director, National Geodetic Survey (NGS)  
*Updates on the Alaska Coastal Mapping Strategy, GRAV-D progress, and an overview of the 2020 revisions to “Blueprint 3: Working in the Modernized NSRS” highlighting four Use Cases: “Passive Control for a multi-year Corridor Project, Infrastructure Monitoring, Transitioning Data to the Modernized NSRS, and Time-Dependent Control in Flood Mapping”.*
- **Richard Edwing**, Director, Center for Operational Oceanographic Products and Services (CO-OPS), NOS, NOAA  
*An overview of CO-OPS coastal resilience and inundation products and services.*
- **Dr. Larry Mayer**, Co-Director, NOAA-UNH Joint Hydrographic Center (JHC), University of New Hampshire (UNH)  
*Recent scientific seafloor mapping research at JHC impacting the NOMECE strategy implementation.*

**2:50 – 3:05 Break**

**3:05 – 3:20 Dr. Steven Murawski**, Director, Center for Ocean Mapping and Innovative Technologies (COMIT), University of South Florida, St. Petersburg, FL  
*“The Center for Ocean Mapping and Integrative Technologies, a New USF-NOAA Partnership”.* The COMIT research, education and public dissemination joint venture between the NOAA, Office of Coast Survey and the University of South Florida’s College of Marine Science is described.

**3:20 – 4:35 Coastal Data and Information Systems for Resilience**

Moderator: **Dr. Nicole Elko**, HSRP member, Science Director, ASBPA, and **Audra Luscher**, Resilience Program Manager, CO-OPS, NOS, NOAA

*NOS’s information systems and data serve as the fundamental backbone for coastal resilience requirements. NOS products aid communities responding to sea level rise, coastal flooding, inundation, and climate issues. HSRP discussion follows at the end.*

Opening remarks: **Mark Osler**, Senior Advisor for Coastal Inundation and Resilience, NOS, NOAA

- **Katrina Wyllie**, Operations Team Lead, National Bathymetric Source, Operations Branch,

Hydrographic Survey Division, OCS

*“The National Bathymetric Source”*. The National Bathymetric Source project creates and maintains high-resolution bathymetry composed of the best available data to enable the creation of next-generation nautical charts while also providing support for modeling, industry, science, regulation, and public curiosity.

- **Dr. Hilary Stockdon**, Science Advisor for Coastal Change Hazards, U.S. Geological Survey  
*“USGS/NOAA Collaborations: Total Water Level and Coastal Change Forecast Viewer”*. National, operational forecasts of shoreline total water levels for a coordinated Federal response to users’ questions about coastal change and inundation hazards.
- **Dr. Nicole Kinsman**, Alaska Regional Advisor, NGS, NOS, NOAA  
*“The National Spatial Reference System (NSRS)’s Role in Resilience”*. The NSRS enables accurate and consistent positioning in areas experiencing change. This presentation illustrates how modernization of the NSRS will enhance floodplain mapping as one example of this System’s vital role in actionable geospatial data delivery.
- **Gary Thompson**, Deputy Risk Management Chief, and Chief, North Carolina Geodetic Survey, NC Department of Public Safety  
*“North Carolina’s Flood Inundation Mapping Alert Network (FIMAN)”*. FIMAN provides a novel approach to flood plain management with rain and stage gage data, flood inundation maps, flooding impacts and alerts in real-time to support risk-based decisions regarding flooding.

**4:35 – 4:45** *Public Comment Period*

**4:45 – 5:30** *Recap & Round Robin with HSRP members and NOAA leadership*

- Review and summarize meeting and recommendation letter topics
  - Discuss leadership changes for the HSRP and working groups
-

## Thursday, March 4, 2021, 1-5pm EST

### 1:00 – 1:45 *Round robin recap from day 1; HSRP discussion continues*

- **Ed Saade**, HSRP Chair, Group Director, Americas Region, President USA, Fugro
- **Rear Admiral (select) Richard Brennan**, Director (select), OCS, NOS, NOAA
- Around the room with HSRP members, NOS and NOAA leaders

### 1:45 – 3:00 *Coastal Ocean Modeling in Support of Marine Navigation and the Blue Economy*

Moderators: **Julie Thomas**, HSRP, and **Dr. Shachak Pe'eri**, Chief, Coast Survey Development Lab, OCS, NOS, NOAA

*NOS works on coastal and ocean modeling to conduct a wide range of research to broaden the scientific knowledge and to increase models predictability on existing and emerging coastal, social and ecological sustainability and hydrologic issues. Modeling frameworks are employed to generate products supporting resilient communities and promote coastal economies. HSRP discussion follows at the end.*

Opening remarks on the NOS modeling programs: **Dr. Shachak Pe'eri**, and **Pat Burke**, Chief, Oceanographic Division, CO-OPS, NOS, NOAA. Modeling and mapping standards relationship to Precision Marine Navigation and ECDIS system, NOS modeling and forecast mission with coverage, time scales and products.

- **Dr. Daniel R. Roman**, Chief Geodesist, NGS, NOS, NOAA, *"Reference Frames and Datums: Improvements Planned for the Pacific"*. A common geodetic framework must be defined and used in order to obtain optimal results from disparate Earth system datasets.
- **Peter Stone**, Technical Director, CO-OPS, NOS, NOAA, *"International Hydrographic Organization's (IHO) S-104 (Water Levels) and S-111 (Currents) Product Specifications"*. The development of product specifications for water levels and currents and for the S-100 generation of electronic charts.
- **Dr. Greg Seroka**, Physical Scientist, Coastal Marine Modeling Branch, Coast Survey Development Lab, OCS, NOS, NOAA, *"NOS' Operational Models for Navigation Services"*. NOS' Global Extratropical Surge & Tide Operational Forecast System (Global ESTOFS) and regional operational oceanographic forecast systems (OFS) provide water level and surface current forecast guidance and are being encoded following the IHO S-100 framework for marine navigation users.
- **Charles Seaton**, Program Coordinator, Coastal Margin Observation and Prediction, Columbia River Inter-Tribal Fisheries Commission.

"Surface Currents for Navigation and the Environment". Three-dimensional ocean modeling developed by the modeling community supports a wide variety of economic and environmental goals.

**3:15 – 3:30 *Public Comment Period***

**3:30 – 3:45 *Break***

**3:45 – 4:15 *HSRP Discussion: HSRP Priorities, Issue Paper, Working Groups, other***

Moderator: **Julie Thomas**, HSRP Co-Chair, Planning and Engagement working group

- **Lindsay Gee and Deanne Hargrave**, HSRP Technical Working Group
- **Ed Page and Ashley Chappell**, HSRP Arctic Working Group
- **Julie Thomas**, HSRP member discussion on HSRP leadership, priorities and matrix, issue papers, other topics

**4:15 – 5:00 *Meeting Recap & Round Robin with HSRP Members, Actions, and Wrap Up***

- **Ed Saade, Julie Thomas, Sean Duffy**, developing an HSRP recommendation letter
- Review and summarize meeting topics
- Request HSRP suggestions towards recommendation letter and topics for next meetings