



# State of the Services FY 2024 Q2 Report January 2024 - March 2024

## Engagement Events Highlights

### Ocean Sciences 2024

New Orleans, LA | February 18-23

- NCEI staff and affiliates presented 29 oral presentations and posters at this year's conference. NCEI also held a town hall meeting on *Developing an Uncrewed Systems Pipeline from Archive to Access* and coordinated and staffed the NOAA booth in the exhibit hall.
- Every two years, this conference convenes to unite the oceans community to share new findings, connect scientists from around the world, and further the progression of ocean science.



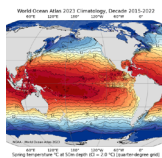
### NCEI Private Sector Climate Service Providers Town Hall

Baltimore, MD | February 1

- NCEI convened a Town Hall session at the American Meteorological Society's annual meeting, collaborating with the Retail Industry Leaders Association, to bring private sector climate service providers and NOAA together to discuss needs for data, information, and services for the Retail Sector.
- The Retail Sector is one of the economic sectors that NCEI will be prioritizing as it implements the Inflation Reduction Act Industry Proving Ground.

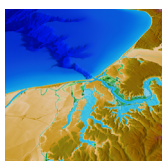


## Product and Services Highlights



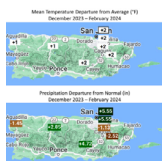
### World Ocean Atlas 2023 Released

NCEI released the full version of the World Ocean Atlas 2023 (WOA23) on February 14th, 2024. WOA23 is the successor to WOA18 and its release marks nearly ~30 years since the WOA's initial release in 1994 (WOA94). WOA23 is a set of objectively analyzed (one-degree grid and quarter-degree grid) climatological fields of in situ temperature, salinity, dissolved oxygen, Apparent Oxygen Utilization, dissolved oxygen saturation, phosphate, silicate, and nitrate at 102 standard depth levels (0-5500 meters (m)) for annual, seasonal, and monthly compositing periods for the World Ocean and are derived from ocean profile data within the World Ocean Database 2023.



### New Digital Elevation Models (DEMs) of Santa Cruz, CA

NCEI has released new tiled DEMs encompassing California communities such as Santa Cruz, Moss Landing, and Monterey. The DEMs, developed by the NCEI-Cooperative Institute for Research in Environmental Sciences, integrate the most modern available coastal topography and bathymetry to support the National Tsunami Hazard Mitigation Program modeling efforts. The DEMs are accessible via NCEI's collaboration with the NOAA Office for Coastal Management's Digital Coast Data Access Viewer, and can be downloaded based on their spatial resolution of 1/9th arc-sec.



### Caribbean Climate Overview and Impacts

The Southeast Regional Climate Center (SERCC) and NCEI collaborated to develop the Caribbean Climate Overview and Impacts report, now available quarterly in English and in Spanish. This overview is provided as an enhancement to the Southeast Regional Climate Impacts and Outlook report that is published quarterly by the SERCC. The enhanced report now includes a third page that focuses on seasonal climate impacts and outlooks for the Caribbean region, with an additional fourth page that provides a Spanish language translation. Caribbean constituents now have a location-based discussion that focuses on their needs.

# Stakeholder Highlights



NCEI was invited to give a *Crowdsourced Bathymetry 101* presentation and Q&A session to students attending the annual International Hydrographic Management and Engineering Program. The six-month program, hosted by the Naval Meteorology and Oceanography Professional Development Center in Gulfport, MS, was attended by U.S. and international students identified by their home hydrographic and Navy offices as future leaders. This year's students were from the U.S., Philippines, Indonesia, Sri Lanka, and Taiwan.



Over 300 attendees met at the Silver Spring Civic Center in Maryland for NOAA's *Voyage to Justice: Equity & Climate Justice Forum*. NCEI joined representatives from federal and local government, community stakeholders, advocacy organizations, and public and private sector companies to collaborate on advancing climate and environmental justice. The goal of the forum was to highlight the relevance of equity, and climate and environmental justice to NOAA's mission.



Staff from NCEI attended the 2024 Reinsurance Association of America (RAA) Catastrophe Risk Management Conference, which is the annual gathering of the top catastrophe modeling scientists and vendors in reinsurance and primary insurance carriers. The theme this year was "It starts with the science" with NOAA Administrator, Dr. Rick Spinrad, delivering the keynote address on the development of hazard data and the government's role. Discussions with attendees identified several industry information needs for data formats, discoverability, and access. NCEI was tasked to draft a Memorandum of Understanding between NOAA and RAA.



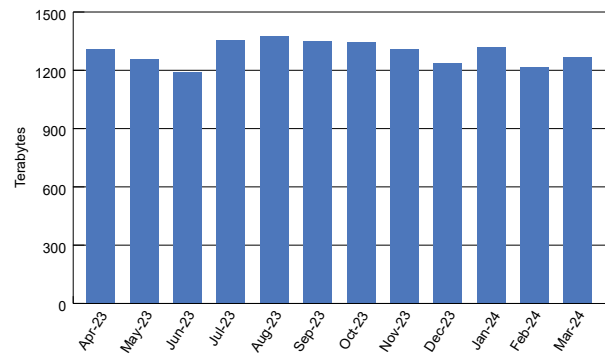
NCEI staff attended the Gulf of Mexico Conference, as it provided a platform to share information about NOAA's climate and equity efforts with the Gulf community and collaborate with attendees on a variety of topics regarding managing human, economic, and natural systems around the Gulf. NCEI co-organized several panel discussions and co-chaired a session on *Data Management and Sharing Strategies*. NCEI presented on enhancements to the Gulf of Mexico Data Atlas, as well as how to discover Marine Geophysical Data at NCEI.

Upcoming Engagements	
13th Arctic Ocean Workshop	Apr. 30 - May 2
American Association of State Climatologists	Jun. 12-14
National Weather Service/Climate Prediction Center Stakeholder Meeting	Jun. 25-27

# Customer Reach

## NCEI Makes Data Accessible

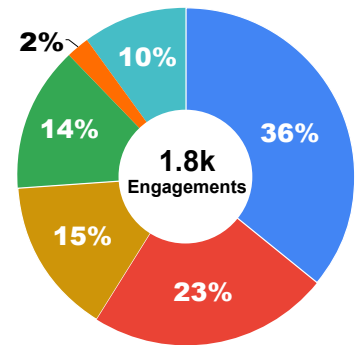
- 1.02 billion web hits and 3.8k TB of data delivered online\*



\*Analytics include model & satellite data; data statistics may not be comprehensive across NCEI (e.g. CLASS)

## U.S. Sectors Served

- Top Sectors
- Professional, Scientific, and Technical Services
- Other Services (except Public Administration)
- Public Administration
- Educational Services
- Finance and Insurance
- Others (Combined)



# Unique Customer Requests

## Best Places to Live Based on the Weather

CNN's extreme weather editor contacted NCEI for climate data for a visualization that will help people decide where they may want to live based on a variety of factors, including weather, down to the county level. The various data needed would be maximum, minimum, and average temperatures, precipitation, average number of sunny and windy days. NCEI shared several resources, including the Comparative Climatic Data, Local Climate Data publications and Climate Normals data.

## NCEI Data Informs Wind Farm Locations

A London-based consulting firm specializing in offshore wind, marine, and infrastructure ventures, contacted NCEI to procure a substantial 5.2 gigabyte dataset encompassing both single channel seismics and sub-bottom profile data. This rich collection of trackline data holds significant promise for the identification and assessment of potential wind farm locations along the Eastern coast of the United States.

Fans

- Facebook: 124.7k
- X: 64.9k
- Instagram: 12.9k

