NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION





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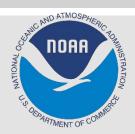
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Overview

- Introduction to NOAA's National Centers for Environmental Information (NCEI)
- NCEI Contract Areas
- Doing Business with NOAA



Who Are We?





Office of Marine & Aviation Operations



National Ocean Service



National Weather Service



National Environmental Satellite, Data, and **Information Service**



National Marine Fisheries Service



Office of Ocean and Atmospheric Research



North Carolina

Colorado

National Centers for **Environmental** Information





Maryland



Mississippi



Steward of the Nation's Environmental Information

With data that spans stone-age to space-age, from the depths of the ocean to the sun, and across the globe









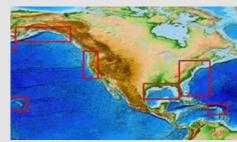








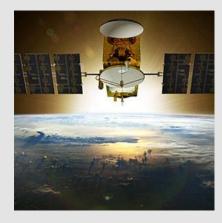




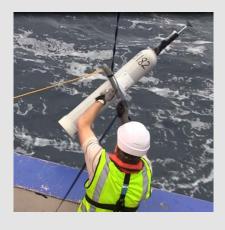
Data: Collect Once, Use Many Times

















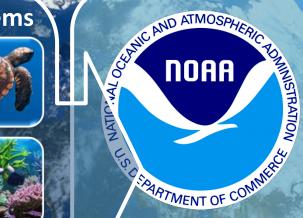
Making Data Useful

Earth Observing Systems





























National Centers for Environmental Information

> **Scientific Data** Stewardship

- Acquire
- **Preserve**
- Monitor
- Assess

Science products for decision-making

Hurricane Tracks Emergency **Planners**

Coastal **Digital Elevation** Models Hazard **Mitigation**

Harmful **Algal Blooms Observing** Fishing, **Tourism**

World Ocean Database Numerous Sectors

Hypoxia Watch

Fishing

Tsunami Warning

Emergency Managers

Ocean **Acidification Decision Makers** **Temperature Precipitation** Outlooks **Agriculture**

Global Ocean Currents Shipping

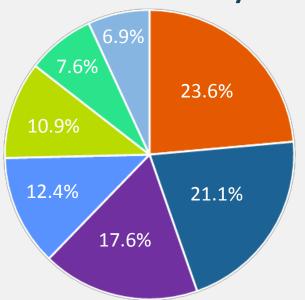
Global & U.S. Climate **Summaries** Numerous Sectors

Billion \$ Disasters. Climate Extremes Index Insurance

Coral Reefs Tourism. Management

NCEI Value to the Nation

NCEI Stakeholders by Sector



- Science, Technology, & Engineering
- Ecosystems (Agriculture/Aquaculture)
- Transportation & Infrastructure
- Energy
- Insurance, Finance, and Legal
- Health and Emergency Management
- Higher Education

Range of Products

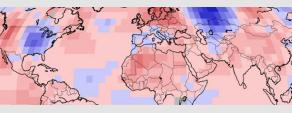
- Time scale: Hourly to Decadal
- Geographic scale: Local to Global

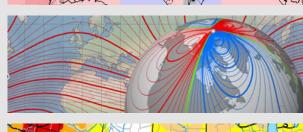


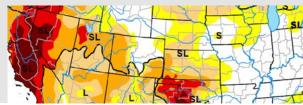


Technical Expertise

- Aerosols to Coastal Inundation
- Drought Monitoring to Ocean Surface Winds
 - Paleoclimatology to US/Global Climate Monitoring







Ocean Exploration in the Gulf

TECHNOLOGY

ACQUIRE

Data **Acquisition**

MONITOR

CCOG Science Value Added

ASSESS

Scientific Products Services

Gulf Digital Elevation Models

OUTCOMES



PARTNERSHIPS

- NOAA Research
- NOAA Marine Operations
- NOAA Fisheries
- NOAA Ocean Service
- UNH Center for Coastal Ocean Mapping
- Global Foundation for Ocean Exploration

- Bathymetry
- Oceanography
- Video
- Images
- Acoustics

- QA/QC
- Processing
- Metadata
- Archive

- Analyze
- Discovery
- Access



Others

PRESERVATION



Partnerships Support the Gulf

TECHNOLOGY OUTCOMES Hypoxic Zone Modeling **ACQUIRE MONITOR ASSESS** Scientific Data **CCOG Science Products Acquisition** Value Added **Services** Navy Ocean Models Temperature QA/QC Analyzing Salinity Processing Discovery Dissolved Metadata Access Oxygen Archive Depth **PARTNERSHIPS** NOAA Fisheries NOAA Data Buoy Center Naval Oceanographic Others **PRESERVATION** Office

Gulf of Mexico Data Atlas

FUNDAMENTAL
DATASET(s) – DWH
Response Collection
(NOAA Ships & Aircraft)







INTEGRATE

ENHANCE

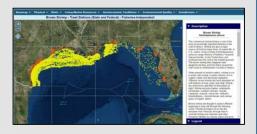
- Data quality
 assessment
- Common format
- Metadata

ASSESS

- Build data tiling scheme
- Geospatial services



TAILORED PRODUCT/SERVICE



Gulf of Mexico baseline compilations

BENEFIT TO THE NATION



Measuring the progress of Gulf of Mexico recovery and restoration



Water Quality

- Habitat
- Living Marine Resources

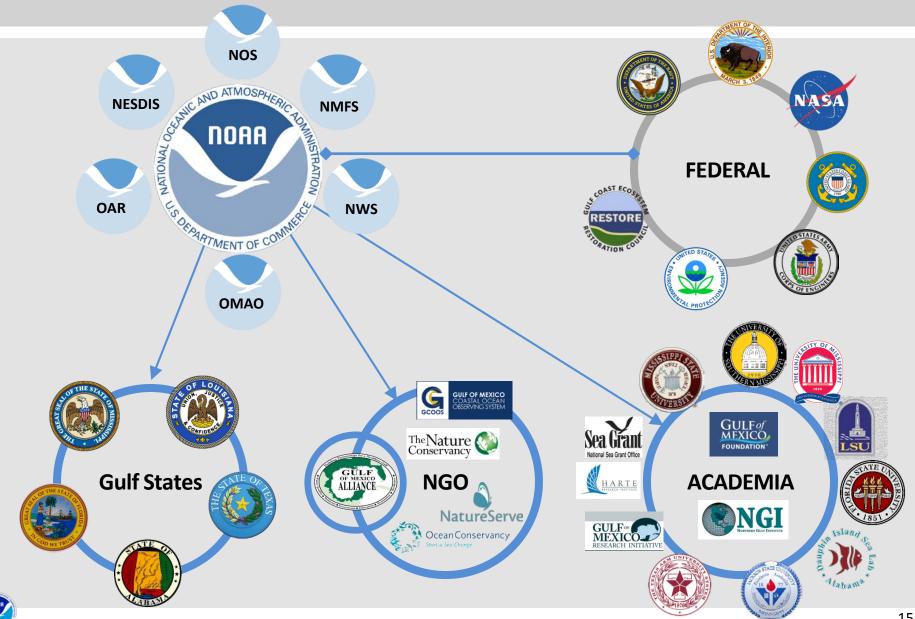
Socio-economic

PRESERVATION

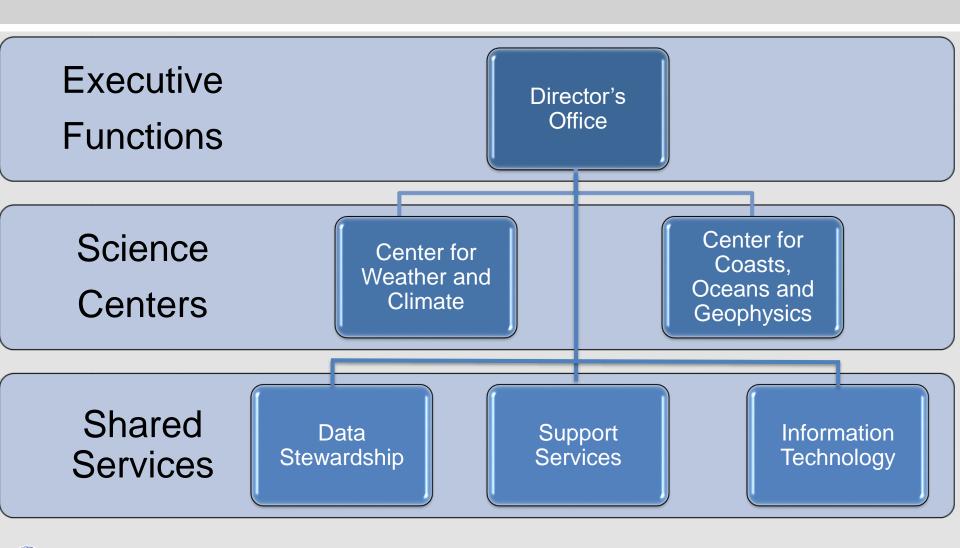
Guard & NRDA Trustees

US Coast

NOAA Partnerships in the Gulf of Mexico

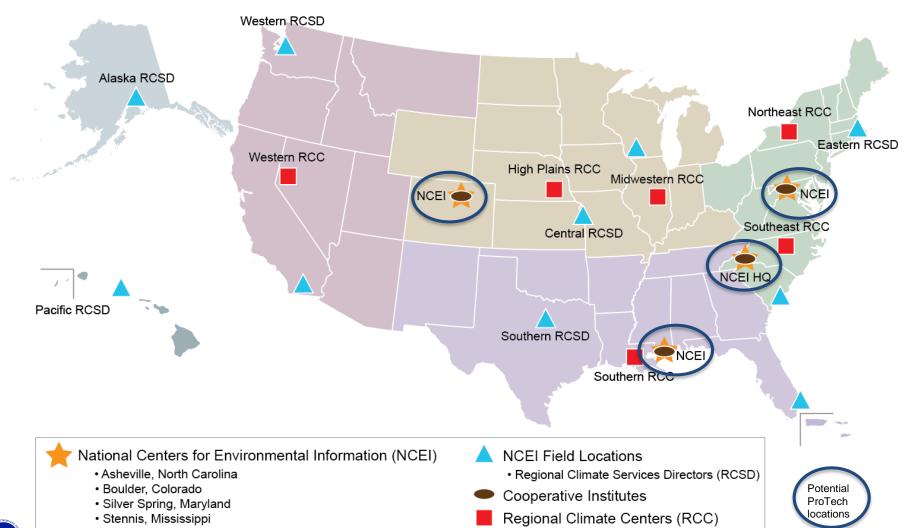


NCEI's Organization





NCEI has a Nationwide Presence





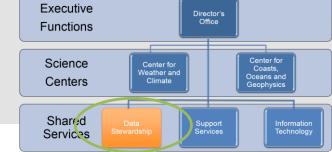
NCEI Contract Areas: Science Centers

- Science-based project and program management
- Scientific datasets & products development generation, sustainment, and user services
- Scientific analysis supporting data and metadata quality consistency and improvement
- Scientific outreach and engagement promoting NCEI products and services and collecting feedback, including usage information/analytics
- Develop and sustain applications and databases for environmental information



NCEI Contract Areas: Data Stewardship

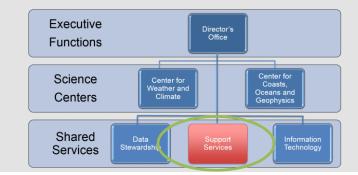
- Data Access technology, maintenance, and improvements
- Software engineering support, including SCM, SQA
- Operations & maintenance support for science data flows (ingest, archive, access, and distribution)
- Archivist support, including physical records management, digital conversions, and metadata
- Webpages & web portals content management and administration
- Multi-user scientific database development and sustainment





NCEI Contract Areas: Support Services

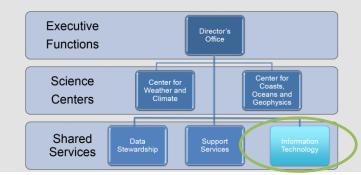
- Enterprise Configuration Management & (Tech) Document Management including data entry
- Enterprise Quality Management & Quality Assurance
- Process Asset Library Administration
- Process Engineering Group support





NCEI Contract Areas: Information Technology

- Technology, processes and procedure support for the interface(s) between scientific code, applications, and operations and IT infrastructure software, platforms, and operations.
- Science mission planning and coordination support to ensure compatibility with IT infrastructure plans and technology change.





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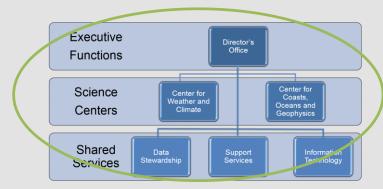
NCEI Contract Areas: Office and Policy Support

Office Support

- Administrative
- Property
- Budget/Finance
- Acquisition
- Mail Room
- Copy Center
- Logistics
 - facilities management
 - emergency generator refueling & maintenance
 - fire alarms
 - electrical usage data
 - furniture installation/movement, etc.

Policy Support

- Analyses and Assessments
- Council/Committee Support
- Project Management
- Position paper drafting
- Prioritization suggestions





Learn More About NCEI



www.ncei.noaa.gov



Doing Business at NOAA















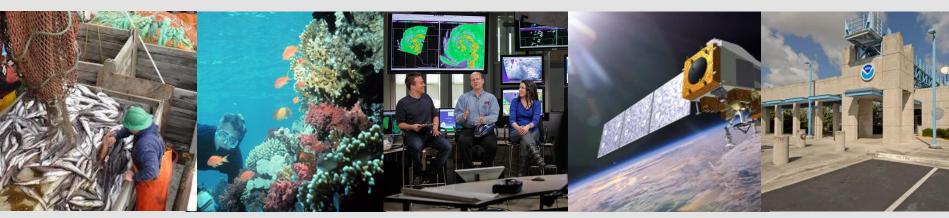
How to Develop a Strategic Relationship with NOAA

- Register your firm on the <u>NOAA Small Business Profile Registration System</u>
- If you wish to submit your firm's capability statement please forward to NOAASB@noaa.gov (as an attached PDF)
- Review NOAA's Forecast at http://fido.gov/doc/aap/publicview.asp. If you have questions about a specific requirement, contact the POC listed there for further information
- Review the <u>SBA's 12 Steps to Success A Practical Guide to Doing Business</u> with the Federal Government
- The NOAA Small Business Office hosts Industry Outreach Opportunities days 4 times a month, by appointment only. Please see the <u>Small Business</u>
 <u>Calendar</u> for current availability and self reservation instruction
- Review the <u>Small Business Frequently Asked Questions (FAQ)</u>



Pro-Tech

NOAA's Acquisition and Grants Office (AGO) has approved an Acquisition Plan for its "Pro-Tech" program for professional and technical services. The Pro-Tech program is a set of Indefinite Delivery / Indefinite Quantity (IDIQ) contracts awarded to large, medium, and small businesses in **five domains**:



Fisheries Oceans

Weather

Satellites

Enterprise Operations

Pro-Tech Point of Contact:

Marcelle Loveday

marcelle.loveday@noaa.gov

Phone: 301-628-1364

http://www.ago.noaa.gov/acquisition/pro-tech/10_pro-tech.html

Information on Pro-Tech Website is updated frequently



Small Business Innovation Research (SBIR)

- NOAA's SBIR Program seeks highly innovative products with excellent commercial potential
- All SBIR proposals must directly benefit the NOAA mission, but also be responsive to the greater market demands.
- All DBIR applications must be made in response to a NOAA solicitation, which will be made available once per year.
- The NOAA SBIR Program 2017 solicitation closed January 25, 2017.
- Look for the 2018 solicitation to come out in October of 2017.

For more information, visit:

http://techpartnerships.noaa.gov/SBIR.aspx



NOAA Acquisition and Grants Office (AGO) Small Business Program

If you have additional questions, please contact:

NOAA Small Business Program

1325 East-West Highway SOU6
Silver Spring Metro Center Building 2 (SSMC2)

11th Floor
Silver Spring, MD 20910

301-628-1411

NOAASB@noaa.gov

http://www.ago.noaa.gov/acquisition/NOAASmallBusiness/small_business.html

