



Use-Inspired Data Information Services for NOAA's National Centers for Environmental Information

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January 11, 2016

AMS Annual Meeting



NOAA's National Centers for Environmental Information

America's Leading Source of Environmental Information

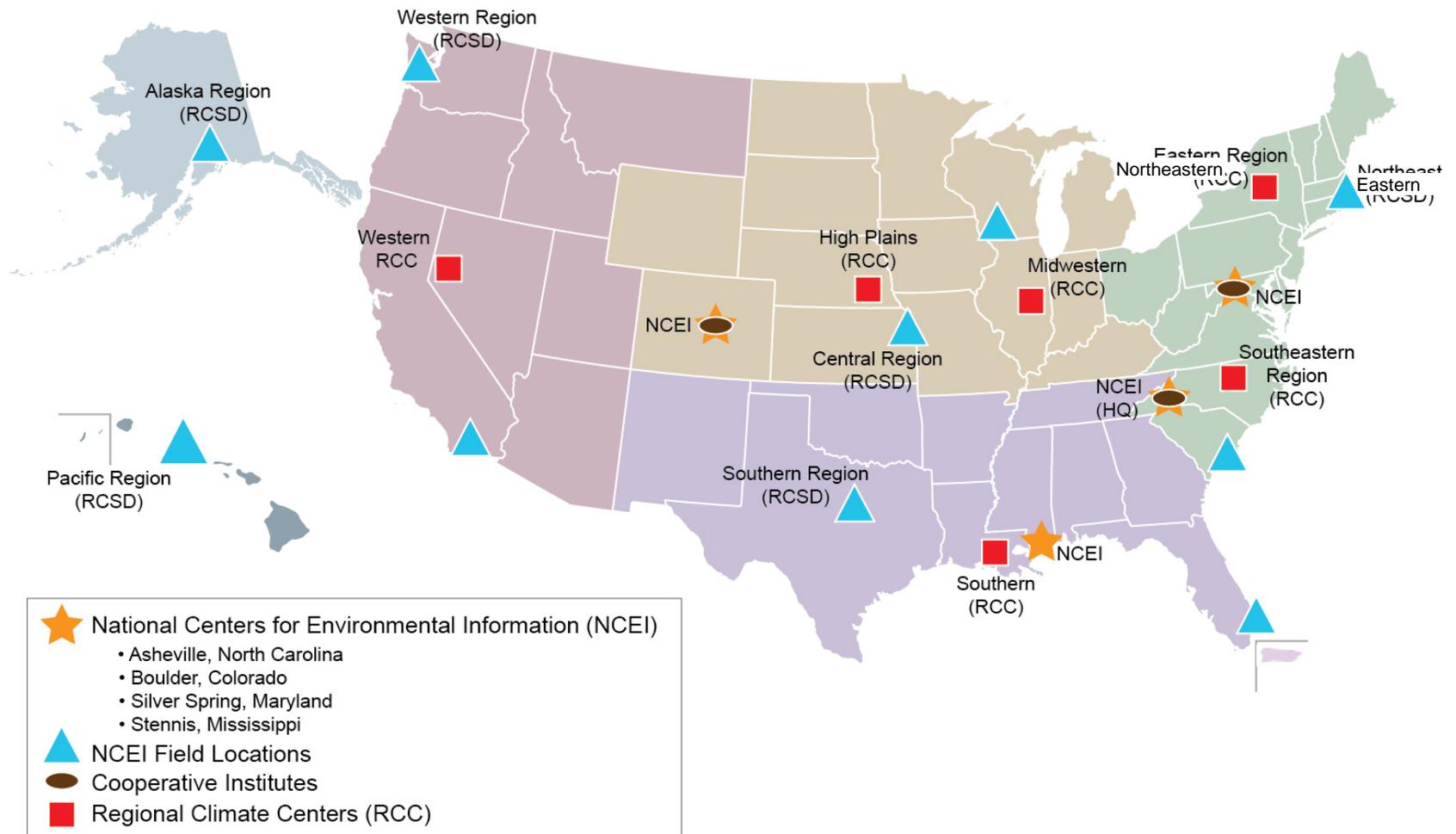
Preserving, monitoring, assessing, and providing public access

- Responsible for hosting and providing access to one of the most significant environmental archives on Earth, with comprehensive oceanic, atmospheric, and geophysical data
- From the depths of the ocean to the surface of the sun and from million-year-old sediment records to near real-time satellite images



NCEI Information Services Footprint

From local to region to the nation and beyond
Collaboration and cooperation are essential to service delivery



NCEI Information Services Span of Engagement

Economic Sectors



Healthcare



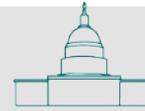
Agriculture



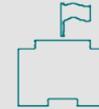
Forestry



Energy



Federal Government



NGO



Recreation



Water



Transportation



Utilities



State, Local, Tribal Gov.



Reinsurance



Fishing



Academia



Construction

Regions



West



Central



South



Northeast



Alaska



Pacific Islands

Societal Challenge Areas



Coastal Resilience



Marine



Water Resources



Extremes



Health

NCEI Engagement Across Sectors and Regions

- Users

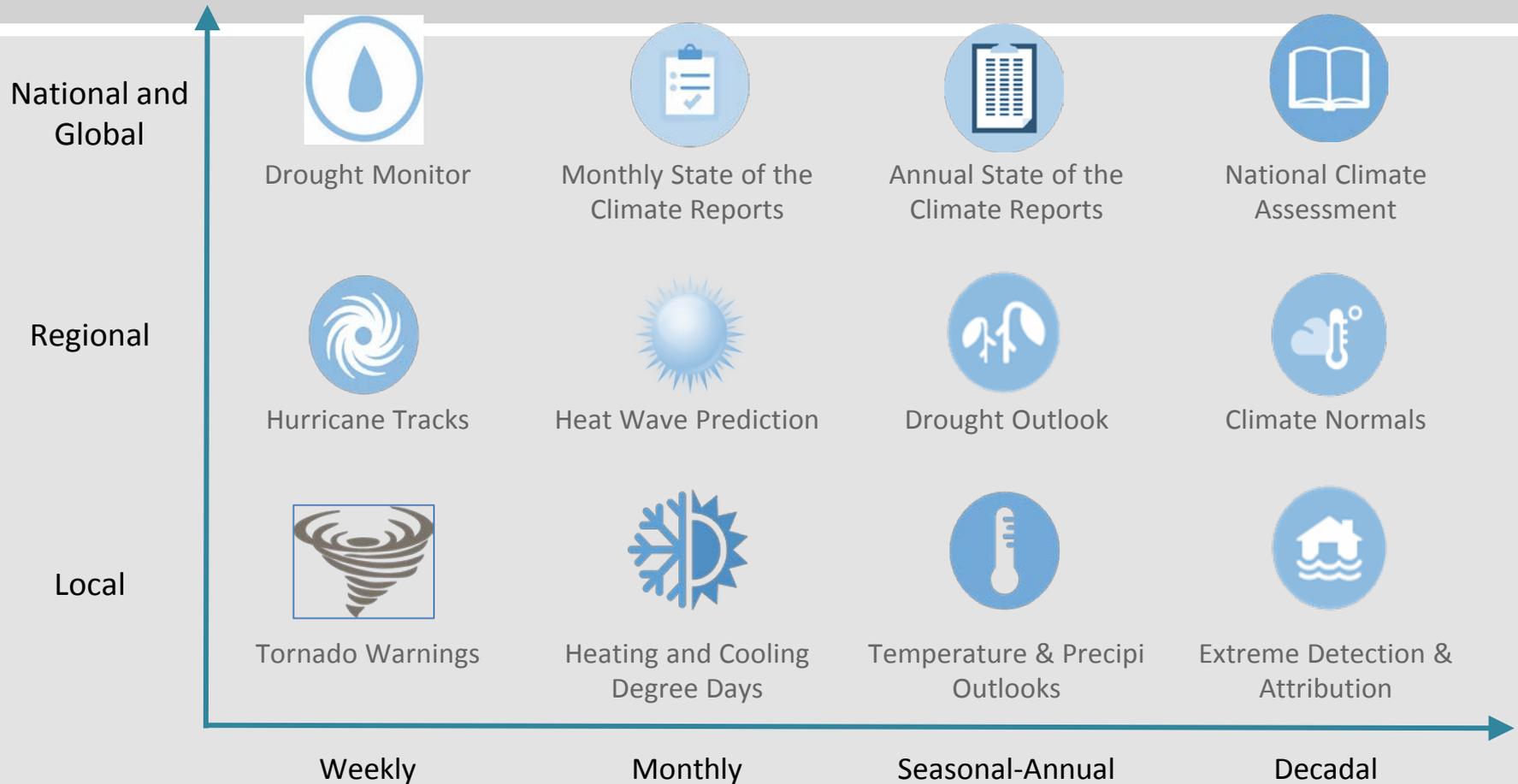
- By Economic Sectors, Regions, and Societal Challenge Areas
- By Level of data expertise

- Information Providers

- Key Partnerships
- Professional Associations
- NOAA and NESDIS Teams
- Cross-NOAA Groups
- Interagency Groups
- International Groups



Integration for Access to Actionable Information



Combining needs for information across time, space, & sectors
From records of weather alerts to climate projections

NCEI Information Services

- Raise awareness of environmental data products and services
- Capture user needs for products and services sustainment and development
- Target sectors that are economically prevalent and relevant to environmental change



Use-inspired, actionable information

To empower the public to make environmentally 'smart' decisions and manage risk

Communicating to Users and the Public

- Social Media
- News stories
- Accurate and Understandable
- Visually engaging
- Building audience information



NOAA National Centers for Environmental Information - Climate
Published by Susan Osborne [?] · 20 hrs ·

While 2012 remains the warmest year on record for the contiguous United States, not all places across the country had their warmest year in 2012. Check out our maps to see when your area had its warmest year on record: [#StateOfClimate](http://1.usa.gov/1UwLmKQ)

U.S. Regional Warmest and Wettest Years
Places have unique climate histories, and that includes the local and regional warmest and wettest years on record.
NCDC.NOAA.GOV | BY CMB.CONTACT@NOAA.GOV

2,796 people reached Boost Unavailable

Like Comment Share

Deke Arndt, Pedro Urdemales, Christina Lief and 31 others like this.

NOAA NCEI Climate @NOAANCElclimate Following

28 states, including Alaska, were much warmer than avg in 2015:
1.usa.gov/1PKdppg #StateOfClimate

Statewide Average Temperature Ranks
January–December 2015
Period: 1895–2015

Legend: Record Coldest (1), Much Below Average, Below Average, Near Average, Above Average, Much Above Average, Record Warmest (121)

RETWEETS 60 LIKES 43

8:05 AM - 7 Jan 2016

NCEI Climate Facebook: <http://www.facebook.com/NOAANCElclimate>

NCEI Ocean & Geophysics Facebook: <http://www.facebook.com/NOAANCEloceangeo>

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NCEI Ocean & Geophysics Twitter (@NOAANCElocngeo): <http://www.twitter.com/NOAANCElocngeo>



Customer Engagement Solution: Deployment Approach

Phase I – Google Form

- CWIS-wide with volunteers (and select CCOG)
- Interim Tool
- Google Form Based
- Better than status quo!
- Captures requirements asap
- Limited Flexibility
- Lengthy process/form
- Growing pains
- Rudimentary analytics

Phase II – Web Based Solution

- NCEI-wide
- Operational web-based interactive tool
- Permission based Access
- Intelligent streamlined process flow and workflow capabilities
- Requirements driven; Captures requirements systematically
- Enhanced analytic capabilities
- Connects to other NCEI systems
- Tracking capabilities

Detailed strategic and deployment methodology available...

Emerging Engagement Event

 National Oceanic and Atmospheric Administration | National Centers for Environmental Information

Moving from Environmental Data to Resilience

An Executive Dialogue on Building Public-Private Partnerships in the Energy Sector

Background

NOAA's National Centers for Environmental Information (NCEI) is pleased to invite you to an executive forum that will feature dialogue between government, industry, and academic leaders about the role of environmental information in fostering greater resilience in the energy sector.

The event will feature an executive panel to discuss the challenges and opportunities of employing data products and analytics to enhance energy resilience. NCEI will highlight its diverse data products relevant to the energy industry and encourage industry executives to highlight their needs for climate, ocean, and geophysical information. The intention of the dialogue is to foster and reinforce lines of communication to grow the resilience of the nation's energy resources and infrastructure.

Featured speakers will include:

- Mark Paese, NOAA Deputy Assistant Administrator for Satellite and Information Services, National Environmental Satellite, Data, and Information Service (NESDIS)
- Thomas Karl, Director, National Centers for Environmental Information
- Executives from ComEd, Southern Company, JEA, Brattle Group and Acclimatise

Organized on the final day of the 96th Annual Meeting of the American Meteorological Society in New Orleans, we look forward to engaging with users and providers both within and outside the weather, climate and environmental communities at this workshop. Event attendees are not required to be registered for the AMS Annual Meeting.

Thursday, January 14, 2016

1:00–5:00 p.m.

New Orleans Downtown Marriott
at the Convention Center
859 Convention Center Blvd
Blaine Kern Ballroom

Register:

<http://bit.ly/energy-resilience>



Cosponsors: GST, Narayan Strategy, and CICS-NC



www.ncei.noaa.gov

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January 2016

NCEI will host another annual engagement event in New Orleans in Jan 2016 in its ongoing work to enhance its engagement with current and potential users

The 2016 event will focus on highlighting the use and potential of NCEI products and services across the energy sector

**Event Details: January 14th, 1-5pm in New Orleans
Near AMS meetings – but not affiliated**

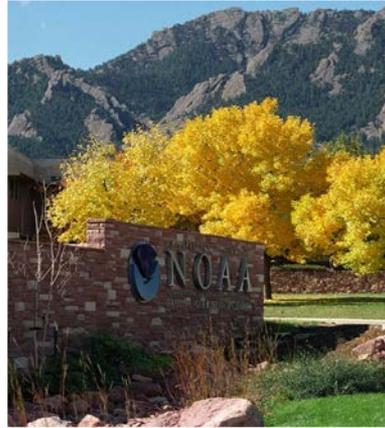
Tentative agenda to include:

- Opening remarks from NESDIS AA and NCEI Director
- Executive discussion panel on environmental data for energy sector
- Presentation on NCEI energy products and services
- Small discussion groups to further discussion and collect requirements

NOAA's National Centers for Environmental Information



Asheville, NC



Boulder, CO



Silver Spring, MD



Stennis Space
Center, MS

www.ncei.noaa.gov



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