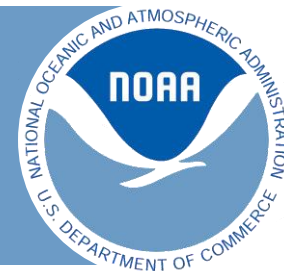


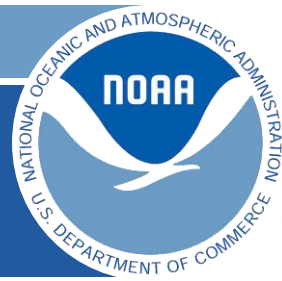


UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

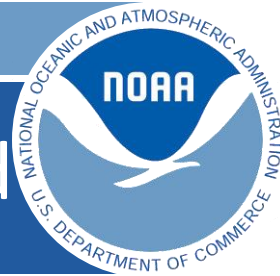


NOAA regional climate services
in the Southern United States
and
NOAA Climate Service update

Heidi Stiller
(on behalf of Dr. David P. Brown)
May 10, 2011

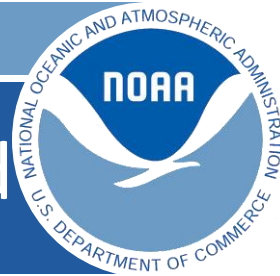


Regional climate services



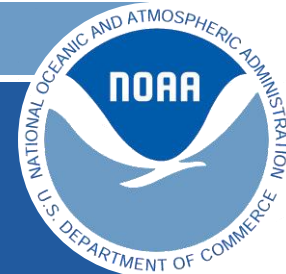
Regional climate services - background

- NOAA climate services have existed for decades
- Service offerings divided into two types:
 - NOAA centers/institutes/offices (internal)
 - e.g., National Climatic Data Center
 - NOAA “core partners” (external)
 - e.g., Regional Climate Centers, Regional Integrated Sciences and Assessments (RISAs), Sea Grant
- Often, centers/partners have lacked coordination programmatically and in user engagement

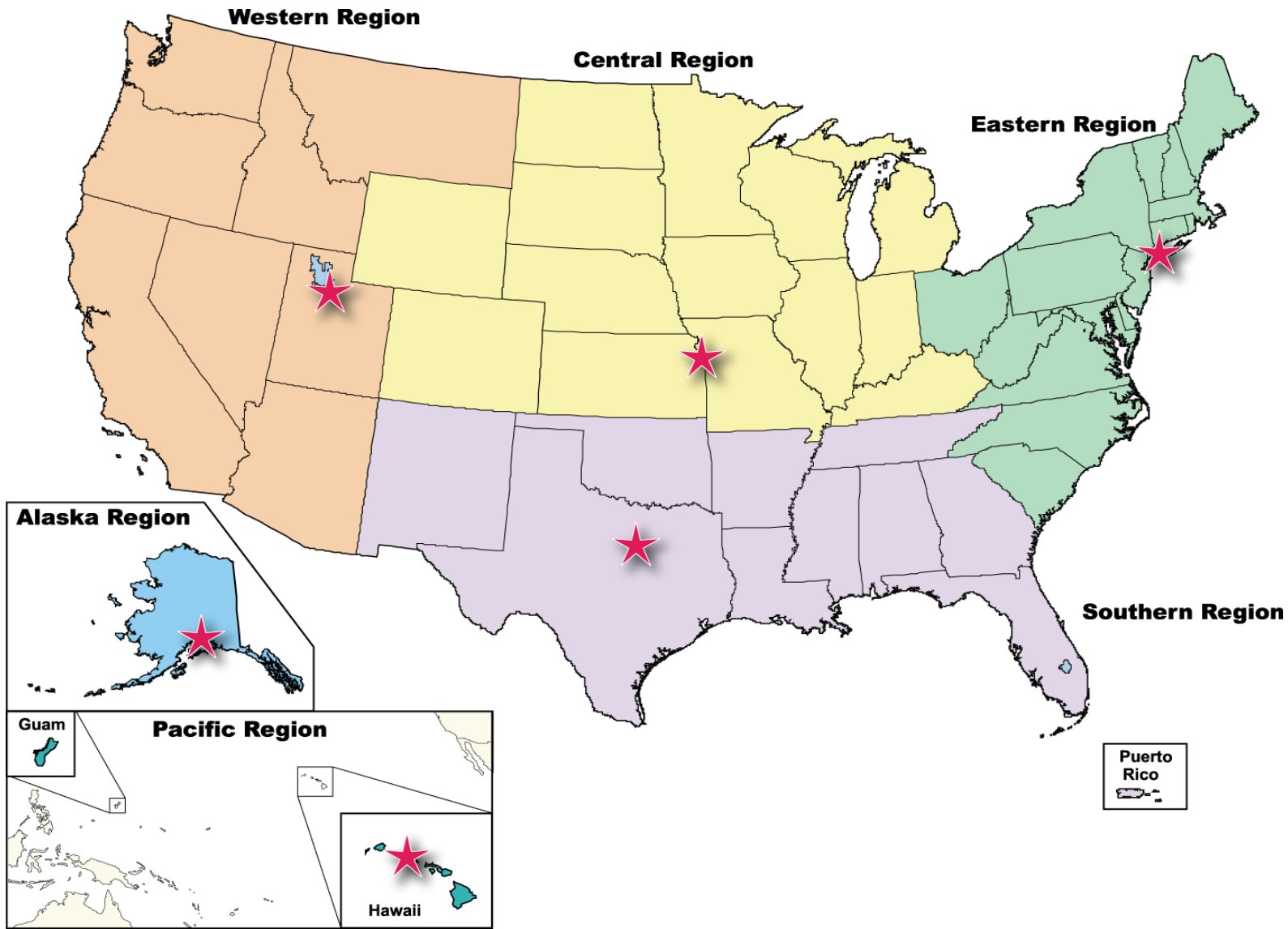


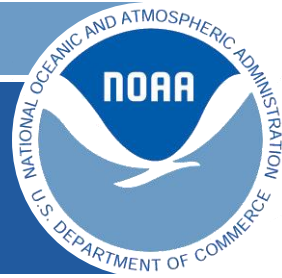
Regional climate services - background

- Increasingly, our users demand local and regional climate products and services
- However, NOAA's current agency structure is not optimized for coordinated, "high resolution" services delivery
- In response, NOAA has committed itself to improved regional climate services coordination















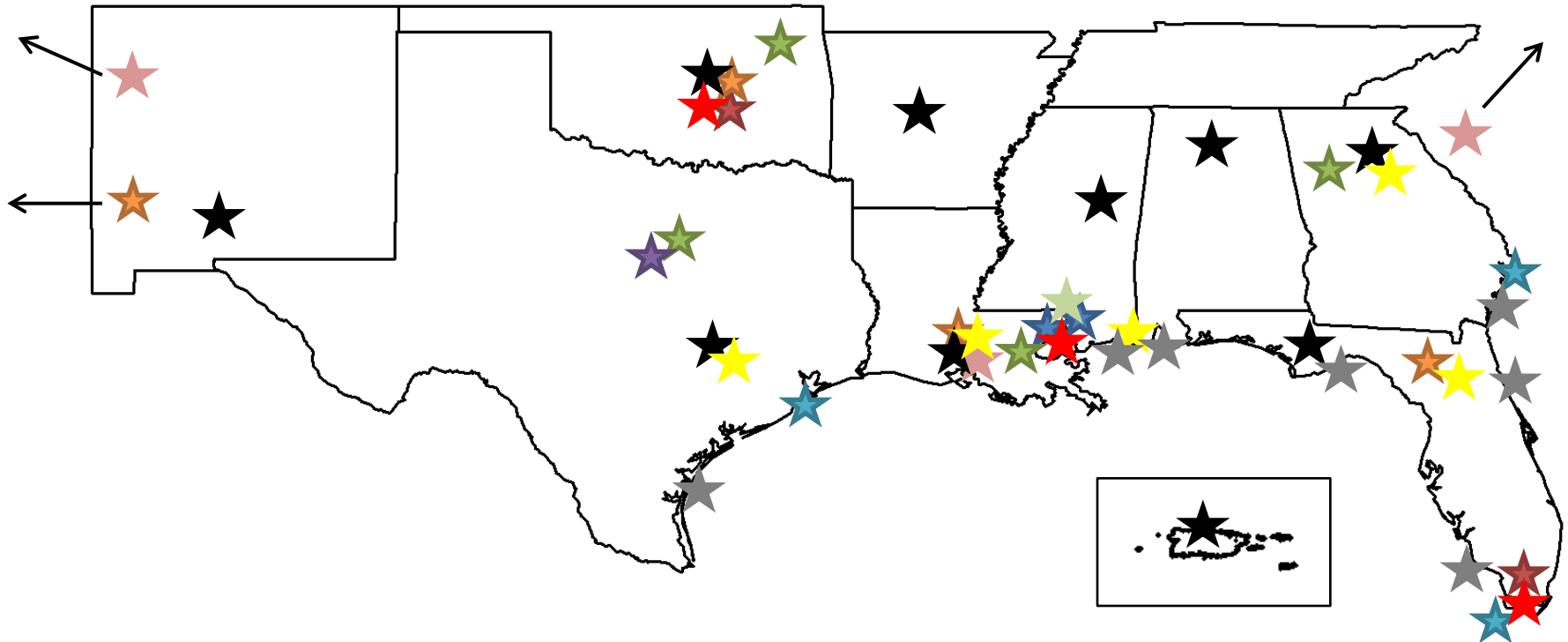
Regional climate services - progress



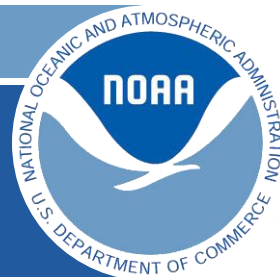


Regional climate services - progress

-  Data Centers
-  Marine Sanctuaries
-  Sea Grant
-  Laboratories
-  RISAs
-  Natl. Estuarine Reserves
-  River Forecast Centers
-  Reg Climate Centers
-  Cooperative Institutes
-  NWS Regional HQ
-  State Climatologists
-  Program Offices

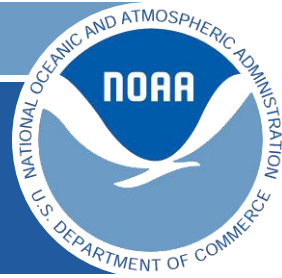


Examples of NOAA Southern Region climate services assets

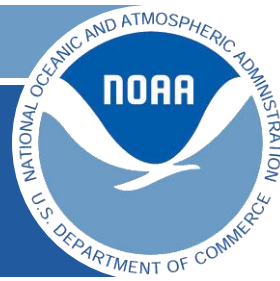


Regional climate services - objectives

- Initiate a regional coordination framework
- Prioritize NOAA climate services activities
 - Improved product development and delivery
 - Identification of key information needs & gaps
 - Sustained engagement with user communities
- Engage external (non-NOAA) partners via a regional steering committee and action plan

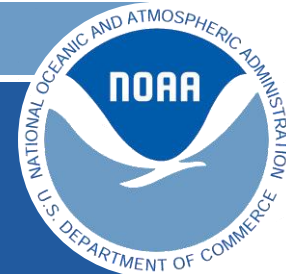


NOAA Climate Service update



What is the Climate Service?

- Essentially a no-cost internal reorganization
- Intention is to streamline NOAA climate activities (research, operations, service) under a single line office management structure
- Will strengthen core agency capabilities and promote a NOAA-wide focus on key societal challenges



What is the Climate Service?

Examples of Private and Public Sector Concerns

Energy and water demands, food quality and quantity, reliable infrastructure during extremes of climate, insurance protection, international trade, economic resiliency, plant and animal range, ocean productivity, and other concerns, as affected by climate variability, global warming, heat waves, cold snaps, drought, fires, heavy downpours, blizzards, floods, sea-level rise, storm surge, sea-ice and glacier loss, snow cover, and other physical variables.

Initial Science and Service Priorities of the Climate Service to Meet Private and Public Sector Challenges

Sustainability of Marine Ecosystems

Coasts and Climate Resilience

Climate Impacts on Water Resources

Changes in Extremes of Weather & Climate

Core Capabilities of Climate Service Line Office



Understanding and Modeling



Observing Systems, Data Stewardship & Climate Monitoring



Predictions and Projections



Integrated Service Development & Decision Support

Research

Service (including assessments)

Partners

- International
- Federal
- DOC/NOAA
- State/Local
- Academic
- NGOs
- Private Sector

Basic climate services are provided in these example sectors

Agriculture

Energy

Health

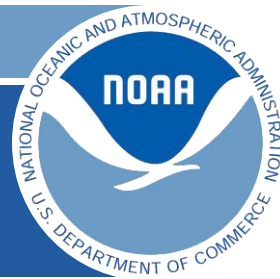
Transportation

Trade

Finance

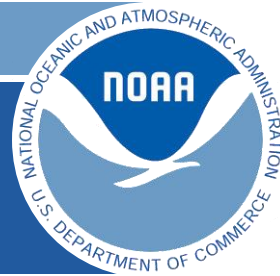
Economic Development

Natural Resources



Status of the Climate Service

- February 2010: NOAA and Department of Commerce propose new Climate Service
- February 2011: Reorganization proposal given to Congress as part of FY12 budget
- Regional climate services efforts (especially internal coordination and external partnership development) will continue, during and after reorganization process



For more information...

- www.climate.gov
 - NOAA climate portal
- www.noaa.gov/climate
 - Q&As, handouts, presentations, recordings, etc.

Dr. David P. Brown

Regional Climate Services Director, Southern Region

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Southern Region information, questions, and opportunities