



Climate Program Office Review

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Pre-Recorded Presentation

Overview of Key Framing Documents

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Overview



- This presentation orients you on the key Congressional mandates, Administration executive orders, and NOAA and our office's strategic plans
- These various documents set the broad context for the Climate Program Office's mission and work

- **National Climate Program Act of 1978**

- Established what is now Climate Program Office and its general functions
- CPO's funding actions cite this authority

- **Global Change Research Act of 1990**

- Established the interagency U.S. Global Change Research Program and further mandates:
 - Periodic National Climate Assessment
 - Strategic Plan and periodic updates (existing is 2012-2021)
 - Annual budget reporting
 - International cooperation

- **National Integrated Drought Information Services Act of 2006 and its Reauthorization Act of 2019**
 - Provides NIDIS program in CPO with dedicated legislative mandate and authorized funding levels
 - Provide drought early warning for the Nation
- **Weather Research and Forecasting Innovation Act of 2017**
 - Defines subseasonal forecasting as 2 weeks - 3 months; seasonal forecasting as 3 months - 2 years
 - Addresses forecasting for extreme events (e.g., drought, fires, floods, heat waves, coastal inundation), snowpack and Arctic sea ice

- **EO 14008, SECTION 211(d)**

- Directs Federal agencies to develop a plan for expanding and improving climate forecasts and access to information products and services to assist agencies and State, local, Tribal, and territorial governments, communities, and businesses in preparing for and adapting to the impacts of climate change.
 - NOAA, FEMA, OSTP produced *Opportunities for Expanding and Improving Climate Information and Services for the Public*
 - Federal Geographic Data Committee (including NOAA) produced *Advancing the Nation's Geospatial Capabilities to Promote Federal, State, Local, and Tribal Planning and Resilience*



- **Dept of Commerce Climate Action Plan for Adaptation & Resilience, 2021**
 - Provide climate science and services to Fed Gov't, other stakeholders to support climate adaptation and resilience
- **NOAA's mission statement**
 - To understand and predict changes in climate, weather, oceans and coasts
 - To share that knowledge information with others
 - To conserve and manage coastal and marine ecosystems and resources
- **New NOAA strategy is under development and NOAA Administrator, Dr. Rick Spinrad, is pushing for NOAA to develop *Climate Ready Nation* vision**



- **NOAA Climate Council**
- **NOAA Weather Water Climate Board Strategy, 2022-26**
 - Critical societal challenges
 - Extreme events & cascading hazards
 - Coastal resilience
 - Changing oceans
 - Water availability, quality & risk
 - Monitoring & modeling for climate change mitigation
- **Oceanic & Atmospheric Research (OAR) Strategy, 2020-2026**
 - Detect changes in the ocean and atmosphere
 - Make forecasts better
 - Explore the marine environment
 - Drive innovative science



- **CPO's Strategic Plan, 2015-2019**

- CPO is at the intersection of NOAA's science and service missions
- Four listed goals:
 - Partnerships
 - Integrated climate research, including 4 critical societal challenges
 - Weather & climate extremes
 - Climate impacts on water resources
 - Coasts & climate resilience
 - Sustainability of marine ecosystems
 - People & culture
 - Business processes
- Will be updated with input and recommendations from this review



- **NOAA SAB's Climate Working Group has produced key documents relevant for CPO's work:**
 - Review of the NOAA Climate and Fisheries Initiative Implementation Approach (August 2021)
 - Review of the Coastal Inundation at Climate Timescales White Paper (August 2021)
 - Final report on Advancing Earth System Prediction (March 2021)
 - Final report on Precipitation Prediction Grand Challenge Strategic Plan Review (August 2020)
 - Opportunity for COVID-19-related Earth System monitoring and prediction efforts as a result of worldwide shelter in place/stay at home policies (April 2020)
 - Final Report on Seasonal-to-Subseasonal-to-Decadal (S2S2D): A Pathway to Improved Prediction (December 2019)
 - Final Report of the Response to the External Review Report of the NOAA Climate and Global Change Postdoctoral Fellowship Program (February 2019)



Thank you!