











Climate Ready Nation

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Presentation to the Integrated Ocean Observing System
May 13, 2022



















Vision Statement

A thriving Nation whose prosperity, health, security, and continued growth benefit from and depend upon a shared understanding of, and collective action to reduce, the impacts of climate change







Hallmarks of a Climate Ready Nation

Decision makers and citizens have equitable access to the climate information, products, and services they need and a clear understanding of what this information means for their communities, economies, natural resources, and the built environment.

Decision makers and citizens are empowered to take a range of adaptation and mitigation actions at the scales needed to systemically prevent or reduce the negative impacts of climate change by utilizing socioeconomic, ecological, and other relevant information to build resilience, including by considering tradeoffs of different pathways.









Alignment with the Whole of Government Approach











BRIEFING ROOM

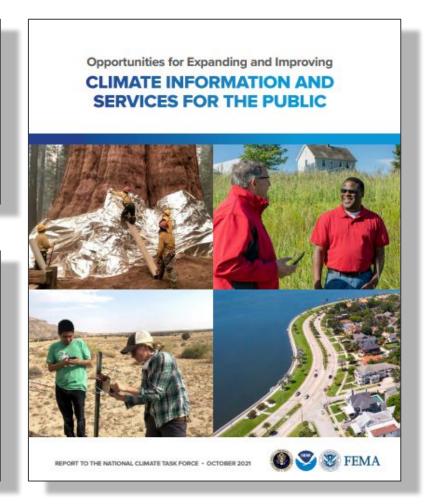
Executive Order on Tackling the Climate Crisis at Home and Abroad

JANUARY 27, 2021 • PRESIDENTIAL ACTIONS

RIEFING ROOM

Executive Order on Protecting Public
Health and the Environment and
Restoring Science to Tackle the
Climate Crisis

JANUARY 20, 2021 • PRESIDENTIAL ACTIONS



















Climate Ready Nation Initial Risk and Focus Areas



Fire



Drought



Flood



Heat



Coasts



Marine Resources



Mitigation



















Climate Ready Nation Initial Partner Groups



Department of Commerce



Federal Agencies



State and Local Leaders



Tribes



Academia



Private Sector



Public













































Climate Ready Nation Matrix

- Climate Ready Nation will be implemented through a scalable matrix approach, with impact areas/mitigation and partner groups as the key components.
- Simultaneous consideration of NOAA's value chain ensures alignment with NOAA's existing portfolio of climate products.
- Not everything can or will fit into this matrix, and many things will fit in multiple places.







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Climate Ready Nation: A spectrum of expertise



Climate Decision Support

Enabling Capacities / Input

Analysis / Application

Product Enabling Capacities / Input

Transmission / Translation

Application

Evaluation

- Observations via satellites, weather radars, buoys, ships, aircraft, water level stations, etc.
- Data archives/ curation
- IT Infrastructure

- Research / Development
- Academia, science centers, modeling centers, industry partners
- Federal scientists, regional labs

- Baselines climatologies
- Extremes and trends
- Outlooks
- Projections
- Viewers/ Mapping

- Expertise
 - partnership with governments*, the private sector, federal agencies, and the public.
- Funding Opportunities
- Convening Capacity
- Research (Natural and Social science)
- Geospatial Capacity
- Communication,
 Outreach, Education

- Knowledge transfer
- Training
- Climate reports/
 assessments with
 future predictions
 and projections
- Place-based application of climate science to support decision
- making (long-term and short-term)
- Utilized by stakeholders (private sector, governments*, general public, etc.)

- End-user engagement
- Assess, update, and improve tools/services to maximize usefulness and usability
- Evaluation of user need to better inform data collection

Fill in this value chain for: Fire, Drought, Flood, Heat, Coastal, Marine Resources, and Mitigation as separate rows.

Consider scale (for both data/products and decision support):

- Temporal- Subseasonal to seasonal, annual, decadal, century
- Spatial- National, Regional, Local
- Partnership Scope Federal vs. Place-based



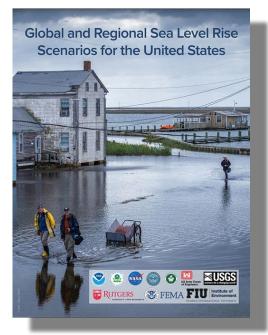


Example Climate Ready Nation Contribution

Sea Level Rise Report

Provides the most up-to-date sea level rise projections available for all U.S. states and territories; decision-makers will look to it for information. This multi-agency effort offers projections out to the year 2150 and information to help communities assess potential changes in average tide heights and height-specific threshold frequencies as they strive to adapt to sea level rise.









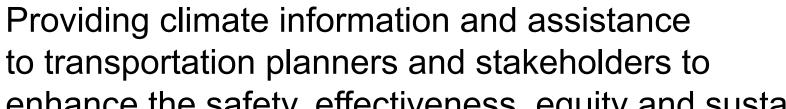


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Example Climate Ready Nation Project

Collaboration with the US Department of Transportation





enhance the safety, effectiveness, equity and sustainability of our nation's transportation infrastructure, including, for example, collaborating on nature-based solutions and expanding the transportation focus of the Effects of Sea Level Rise grant program



















In the near term, the CRN Team will be working to:

- integrate Climate Ready Nation in existing NOAA offices and programs to support cross-cutting structure
- continue to engage across NOAA and with partners to share, improve, and advance the Climate Ready Nation concept

We welcome your feedback and ideas to improve this effort.

















Thank You!





