



# Climate Ready Nation

Mark Osler

Senior Advisor for Coastal Resilience, NOS  
Presentation to the Integrated Ocean Observing System  
May 13, 2022



# Climate Ready Nation: 2030



## 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

BRIEFING ROOM

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

JANUARY 20, 2021 • PRESIDENTIAL ACTIONS

### Opportunities for Expanding and Improving **CLIMATE INFORMATION AND SERVICES FOR THE PUBLIC**



REPORT TO THE NATIONAL CLIMATE TASK FORCE • OCTOBER 2021





# 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**



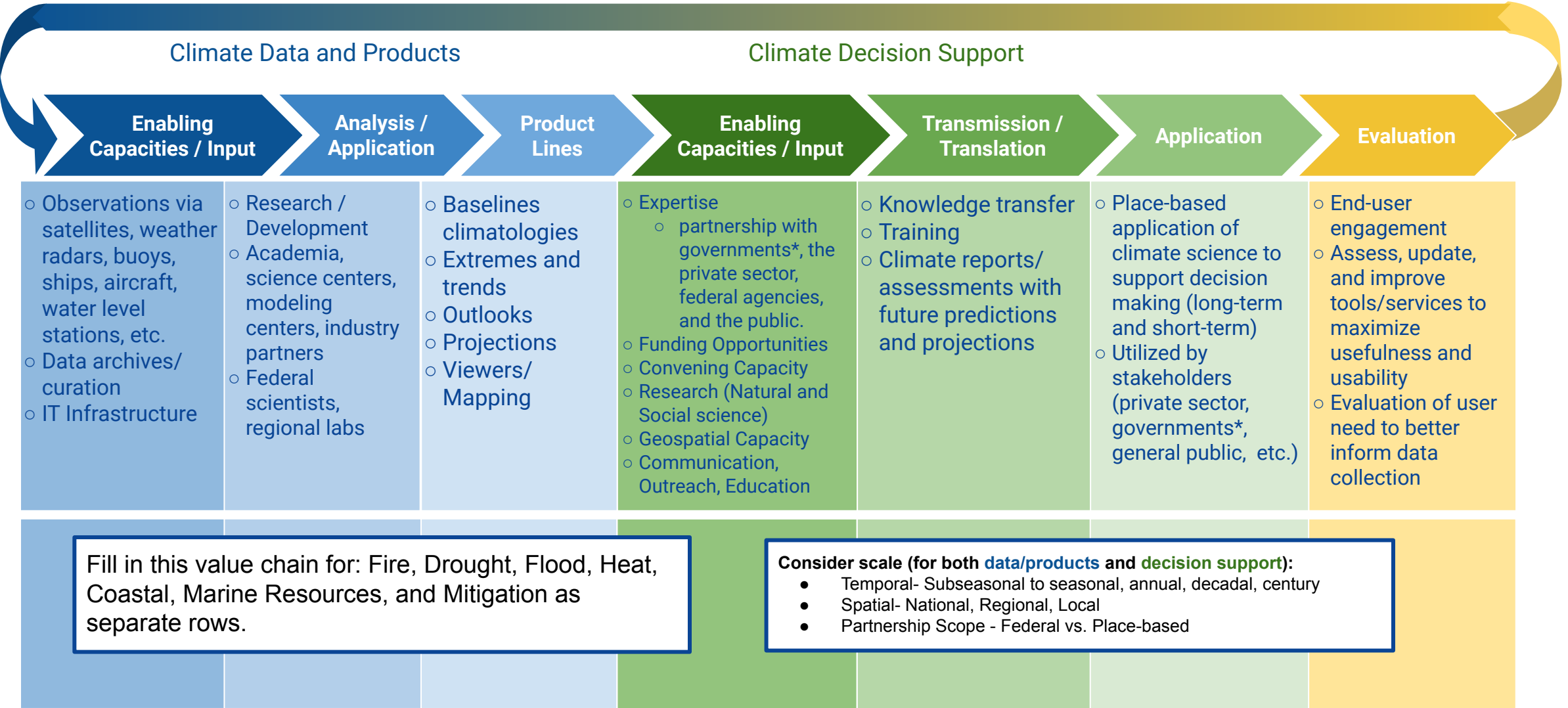
## Climate Ready Nation Matrix

- 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.





# Climate Ready Nation: A spectrum of expertise

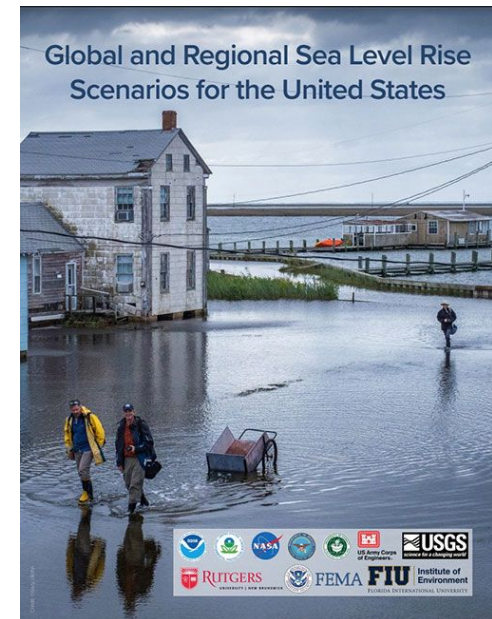




# Example Climate Ready Nation Contribution

## 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.



# Example Climate Ready Nation Project

## Collaboration with the US Department of Transportation

Providing climate information and assistance to transportation planners and stakeholders to 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





# Next Steps



**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!

