

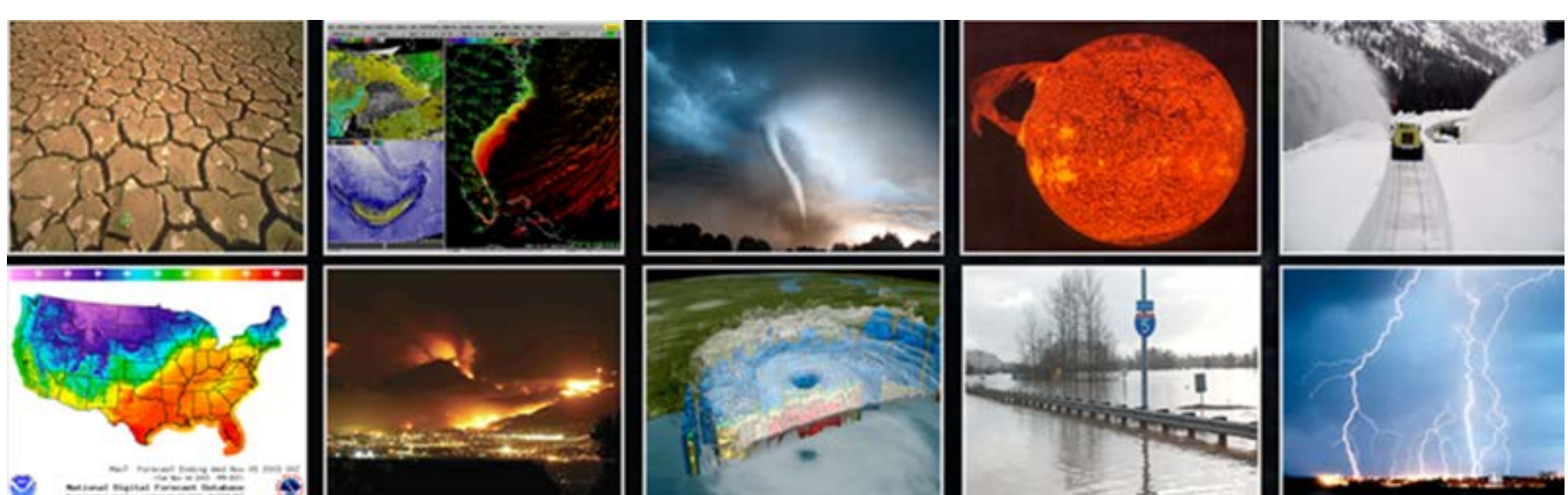


# NWS Draft Strategic Plan NWS Partners Meeting

August 9, 2018

# Purpose of This Session

- Illustrate how partner feedback from AMS in Austin is reflected in the draft NWS Strategic Plan.
- Meaningfully engage on how we can work together to implement the NWS Strategic Plan.



# Why? Weather Has Big Impacts



**Billion-Dollar Weather and Climate Disasters, NOAA, 2017**

# Department of Commerce Strategic Plan

## Strategic Goal 3: Strengthen U.S. Economic and National Security

### • Strategic Objective 3.3 Reduce Extreme Weather Impacts

#### □ Strategies:

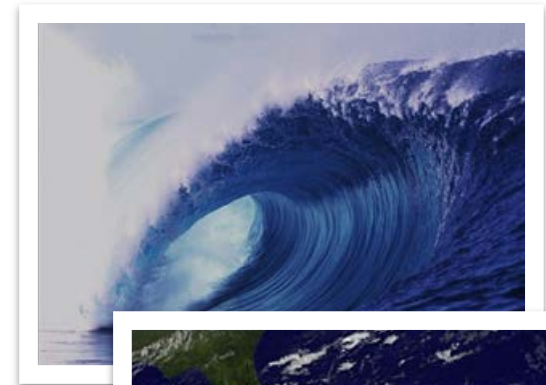
- Evolve the National Weather Service to deliver better forecasts, earlier warnings, and clearer communication of high-impact weather and water events.
- Strengthen partnerships with America's weather industry and other members of the weather, water, and climate enterprise.
- Deploy the next generation of satellites, aircraft, ocean-going ships, and observation and data gathering systems.
- Develop and deploy next-generation environmental observation and modeling systems to make informed planning, resources management, and investment decisions.



# NOAA Priorities

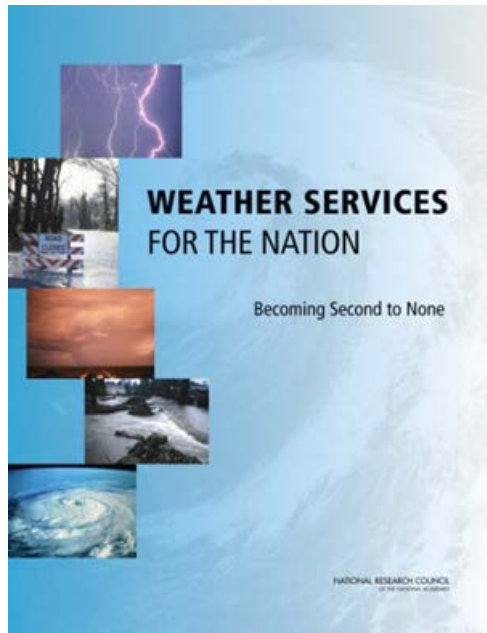
## RDML Tim Gallaudet

1. Reduce the Impacts of Extreme Weather and Water Events
2. Increase the Sustainable Economic Contributions of Our Fishery and Ocean Resources (Blue Economy)





# Key Inputs to the Plan



H. R. 353

## One Hundred Fifteenth Congress of the United States of America

AT THE FIRST SESSION

*Began and held at the City of Washington on Tuesday,  
the third day of January, two thousand and seventeen*

An Act

To improve the National Oceanic and Atmospheric Administration's weather research through a focused program of investment on affordable and attainable advances in observational, computing, and modeling capabilities to support substantial improvement in weather forecasting and prediction of high impact weather events, to expand commercial opportunities for the provision of weather data, and for other purposes.

*Be it enacted by the Senate and House of Representatives of  
the United States of America in Congress assembled,*

### SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) **SHORT TITLE.**—This Act may be cited as the "Weather Research and Forecasting Innovation Act of 2017".

(b) **TABLE OF CONTENTS.**—The table of contents for this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. Definitions.

### TITLE I—UNITED STATES WEATHER RESEARCH AND FORECASTING IMPROVEMENT

- Sec. 101. Public safety priority.
- Sec. 102. Weather research and forecasting innovation.
- Sec. 103. Tornado warning improvement and extension program.
- Sec. 104. Hurricane forecast improvement program.
- Sec. 105. Weather research and development planning.
- Sec. 106. Observing system planning.
- Sec. 107. Observing system simulation experiments.
- Sec. 108. Annual report on computing resource prioritization.
- Sec. 109. United States Weather Research program.
- Sec. 110. Authorization of appropriations.

### TITLE II—SUBSEASONAL AND SEASONAL FORECASTING INNOVATION

- Sec. 201. Improving subseasonal and seasonal forecasts.



A Report by a Panel of the  
**NATIONAL ACADEMY OF PUBLIC ADMINISTRATION**  
for the U.S. Congress and the National Weather Service

**FORECAST FOR THE FUTURE:**  
*Assuring the Capacity of the  
National Weather Service*

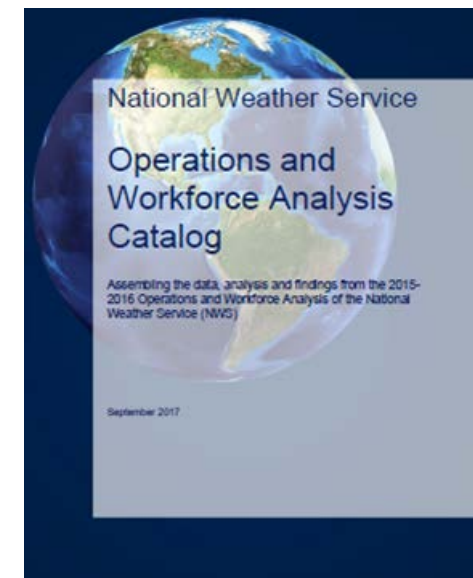
May 2013  
National Academy of  
Public Administration



## WEATHER-READY NATION

NOAA's NATIONAL WEATHER SERVICE

STRATEGIC PLAN 2011



National Weather Service

## Operations and Workforce Analysis Catalog

Assembling the data, analysis and findings from the 2015-  
2016 Operations and Workforce Analysis of the National  
Weather Service (NWS)

September 2017



# Partner Feedback

Fully understand and appreciate each other's needs, motives, requirements, and capabilities to advance a WRN.

- Clarify and understand roles, requirements, relationships, and capabilities of all Enterprise partners to advance the WRN.
- Develop a better understanding of private sector needs, capabilities, and reach to optimize Enterprise partners.

# Partner Feedback

Implement effective mechanisms and operating practices to support collaboration and true partnerships.

- Establish meaningful and effective engagement mechanisms.
- Eliminate barriers to collaboration and a true team approach.



# Partner Feedback

Take full advantage of private sector proven capabilities and capacities in technology innovation, communications, and outreach.

- Accelerate the pace of innovation by leveraging technology advances, cloud solutions and other capabilities from the private sector.
- Leverage the private sector to expand the reach of communications and existing solutions.
- Advance visualization and communication of alerts, watches and warnings with industry standards and more tailored products and data.



# National Weather Service Vision and Mission

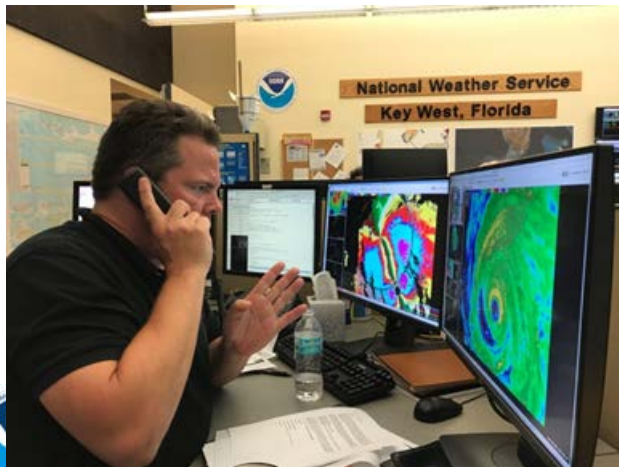
## NWS Vision:

A Weather-Ready Nation, where society is prepared for and responds to weather, water, and climate dependent events.



## NWS Mission:

The National Weather Service (NWS) provides weather, water, and climate data, forecasts and warnings for the protection of life and property and enhancement of the national economy.



# Goal 1: Reduce the impacts of weather, water, and climate events by transforming the way people receive, understand, and act on information

## Key Partner Objectives:

### Transformative Impact-Based Decision Support Services (IDSS)

- 1.4. Leverage Enterprise capabilities through a collaborative approach that minimizes impacts and maximizes public safety and economic resilience.

### Better Information for Better Decisions

- 1.5. Integrate social, behavioral, and economic science to simplify the communication of information and improve the understanding and utility of forecasts and warnings.

### Timely and Consistent Messaging

- 1.13. Leverage Enterprise capabilities to extend the reach and amplify NWS forecasts and warnings to improve individualized decision-making.



# **Goal 2: Harness cutting-edge science, technology, and engineering to provide the best observations, forecasts, and warnings.**

## **Key Partner Objectives:**

### **Integrated Observations**

- **2.4. Ensure continuous operations with foundational observing assets including radar and satellite systems, and adoption of emerging technologies to reduce costs and improve information.**
- **2.5. Utilize the broad observational capabilities of the Enterprise to establish the best possible analysis of the atmosphere, land surface, oceans, and cryosphere to ensure situational awareness, enable enhanced data assimilation, and meet growing user demands.**

### **Systems, Technologies, and Tools**

- **2.8. Leverage Enterprise expertise to advance analytics, visualization, collaboration, information technology, and social science.**



# **Goal 3: Evolve the NWS to excel in the face of change through investment in our people, partnerships, and organizational performance.**

## **Key Partner Objectives:**

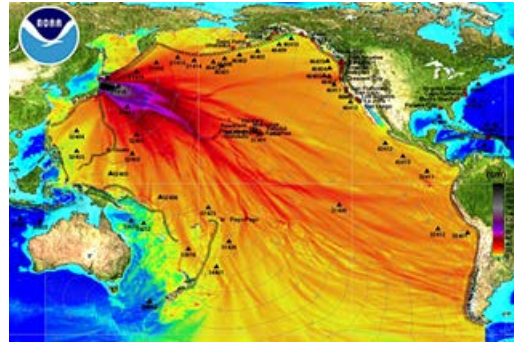
### **Essential Enterprise Partnerships**

- **3.8. Clarify and leverage the unique roles and capabilities of Enterprise partners to respond to the increasing demand for actionable weather, water, and climate information.**
- **3.9. Expand public-private partnerships that fast-track private Enterprise innovations, strengthen relationships, eliminate barriers, and share best practices to focus continuous improvements.**





# Discussion



## Partner Input and Reflection