

B213  
November/December  
2004

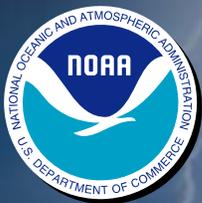


# National Weather Service Overview

Bob Bunge

NWS

3/10/10

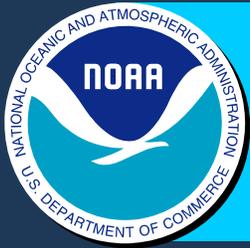




# NOAA/National Weather Service

- *" The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the **protection of life and property and the enhancement of the national economy**. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community. "*

*"Taking the pulse of the planet"*



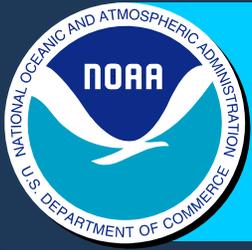
# National Weather Service

## ➤ Local forecasts, watch, warnings, advisories

- *122 Weather Forecast Offices, staffed 24x7*
  - **Forecasts, watches, warnings, advisories, decision support services**
- *13 River Forecast Centers*
  - **Provide hydrologic support to local offices**
- *National Centers*
  - **Most national scale, provides guidance to local offices, some forecasts and warnings**

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# National Weather Service

- **Average of 9000 data products per hour**
  - *Spikes higher during weather events*
- **Range from text based products to large model data sets to hourly observations**
- **Short fused products get transmitted out in under a minute**

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# National Weather Service

## ➤ Dissemination services

- *Three different satellite based systems*
  - **Weather wire, NOAAport, EMWIN**
- *NOAA Weather Radio*
- *Internet Services*
  - **Web based**
  - **FTP/XML/GIS data feeds**
  - **Chat with electronic media/partners**

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# National Weather Service

## ➤ Strategic Plan under formation

- *Decision Support Services*
- *More aligned with other NOAA offices/services*
- *More data services designed to allow NWS data to be integrated into other systems*

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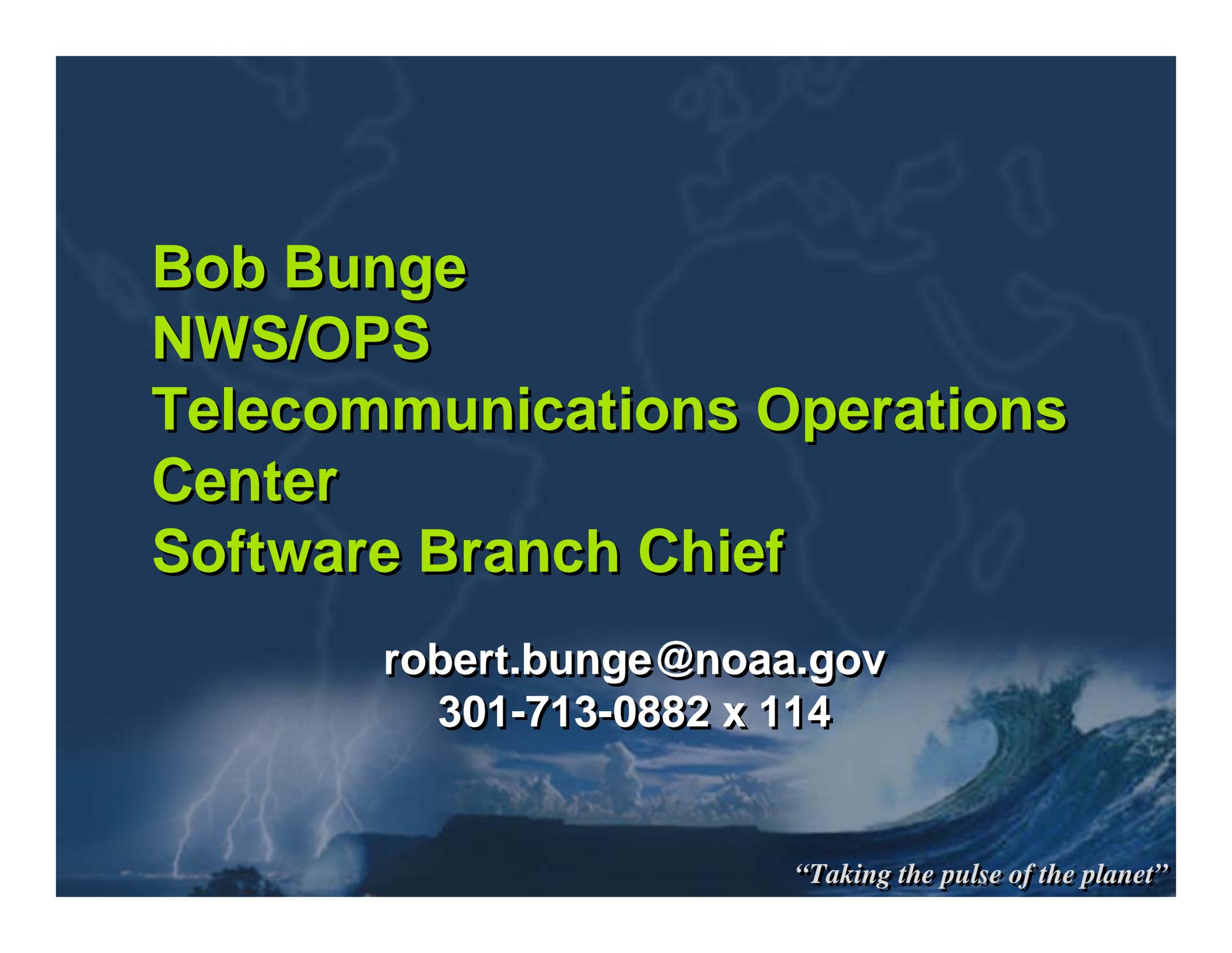


# National Weather Service

## ➤ A glance at data sources

- <http://www.weather.gov/gis/>
- <http://www.weather.gov/xml/>
- <http://www.weather.gov/alerts-beta/>
- <http://www.weather.gov/rss>

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The background of the slide is a dark blue image featuring a storm with bright white lightning bolts on the left side and a large, curling ocean wave on the right side. The overall tone is dramatic and weather-related.

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