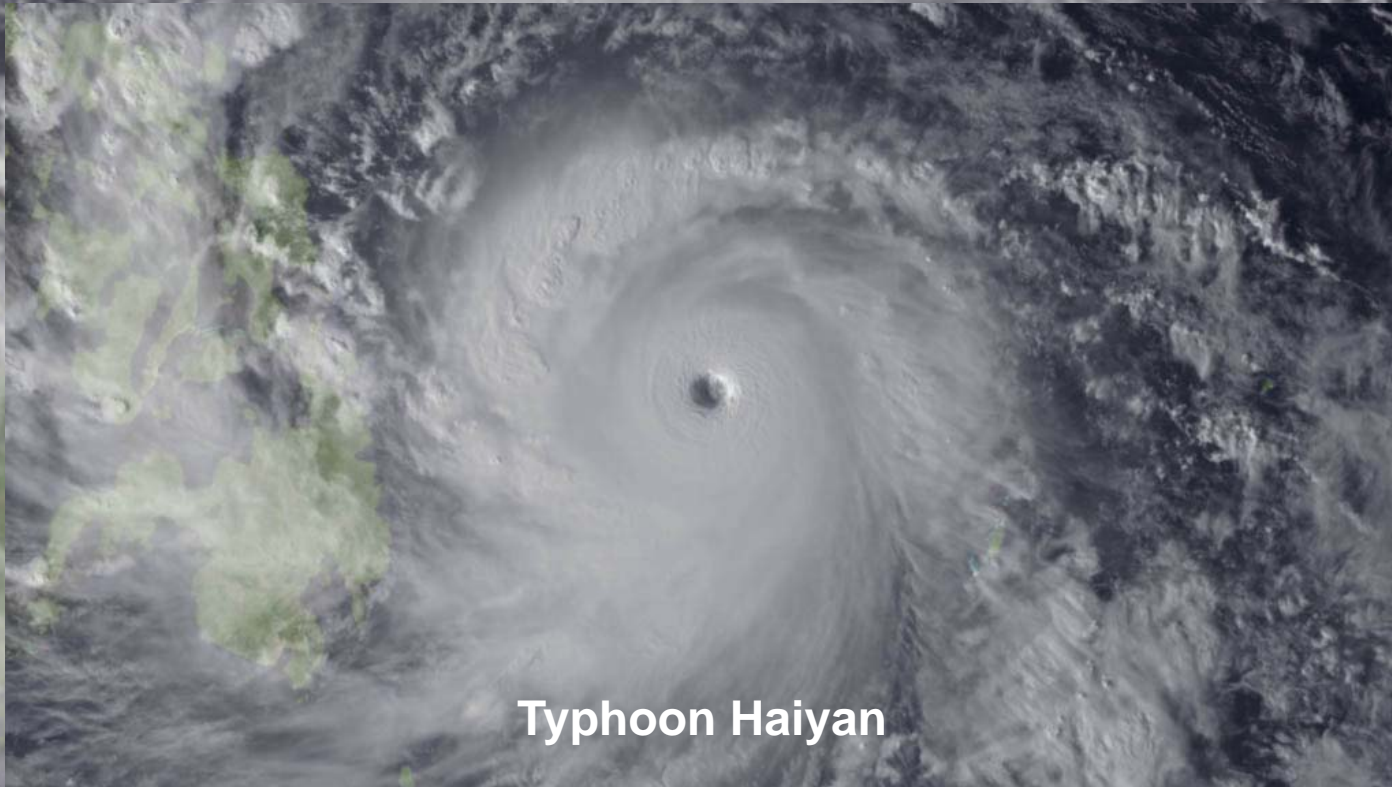


**68<sup>th</sup> Interdepartmental Hurricane Conference  
2014 Tropical Cyclone Research Forum**

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**Typhoon Haiyan**

***Tropical Cyclone Research: Assessing the Past—  
Planning for the Future***

**March 3 – 6, 2014**

# Forum Opening

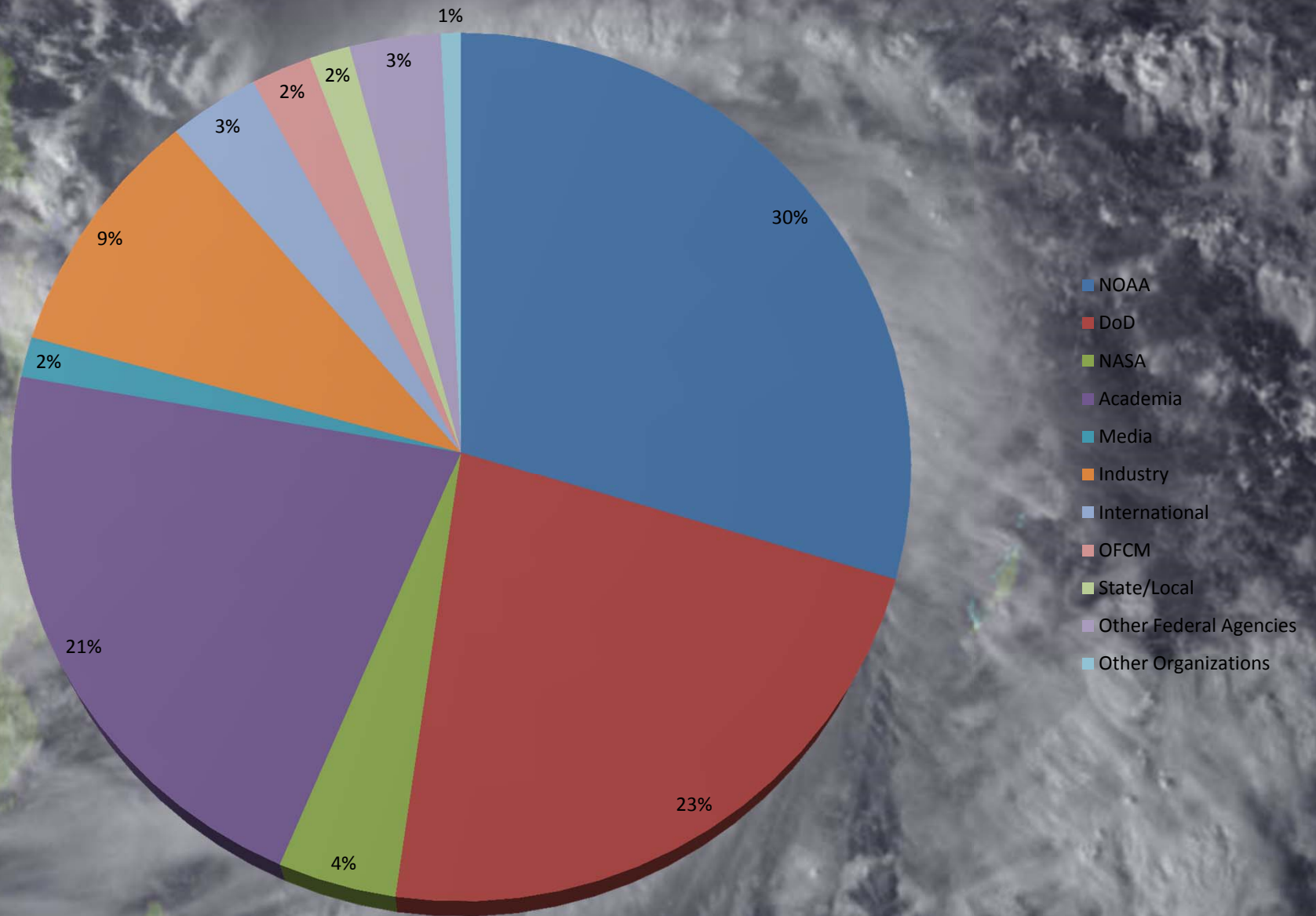
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**Mr. Samuel P. Williamson**  
Federal Coordinator for Meteorology

**68<sup>th</sup> Interdepartmental Hurricane Conference**  
**2014 Tropical Cyclone Research Forum**  
*Tropical Cyclone Research: Assessing the Past—  
Planning for the Future*

**The Office of the Federal Coordinator for  
Meteorological Services and Supporting Research**

# 2014 Registrants



# Setting the Stage

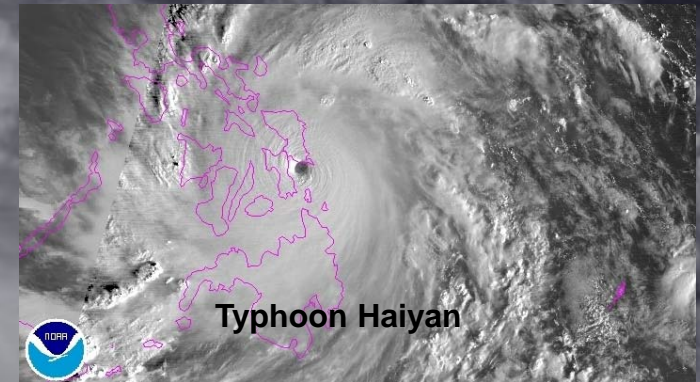
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Planning for the Future*

# Reminder of Why Are We Here

- Typhoon Haiyan, one of the most powerful storms in history. Yet we remember Sandy, Irene, Katrina, and so many others...
- We must continue to build upon the synergy and collaboration we've achieved in the tropical cyclone community since we developed the *2007 Interagency Strategic Research Plan for Tropical Cyclones: The Way Ahead* to:
  - Ensure we get the “biggest bang for the buck” in a tough budgetary climate
  - Ultimately, minimize the Nation's vulnerability to nature's most destructive forces



# Forum Objectives

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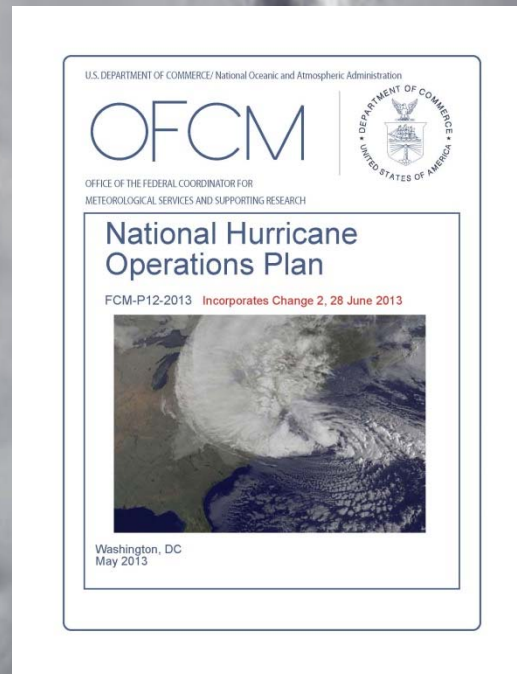
- Lay the groundwork for an assessment of the progress in implementing the 2007 *Interagency Strategic Research Plan for Tropical Cyclones: The Way Ahead* (Action item from the 2013 TCRF)
  - Assess the progress in addressing the research priorities of the operational centers (NHC, CPHC, and JTWC)
  - Review the transition of research into operations activities at the Joint Hurricane Testbed, the Developmental Tested Center, and FNMOC
  - Explore the technologies and strategies to improve the observation of tropical cyclones
  - Review the ongoing work and initiatives to improve the numerical modeling of tropical cyclones
  - Investigate the application of social science to the TC forecast and warning notification problem

# Forum Agenda

## Day 1 -- Yesterday

**1:00 PM**

### **Working Group for Hurricane and Winter Storm Operations and Research (WG/HWSOR)**



# Forum Agenda

## Day 2 -- Today

**10:00 AM – 12:00 PM**  
**Senior Leader Panel**

**Moderator: Dr. Ronald Ferek, Program Officer, Marine Meteorology Program, Office of Naval Research**

**Panelists:**

- **RADM Jonathan W. White, Oceanographer and Navigator of the Navy**
- **Col John Egentowich, Air Force Director of Weather**
- **Mr. John D. Murphy, Director, Office of Science and Technology, National Weather Service**
- **Dr. Jack Kaye, Associate Director and Research and Analysis Lead, Earth Science Division, National Aeronautics and Space Administration**
- **Dr. Michael C. Morgan, Division Director of Atmospheric and Geospace Sciences, National Science Foundation**

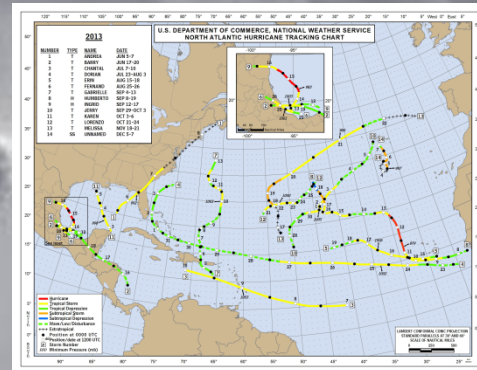
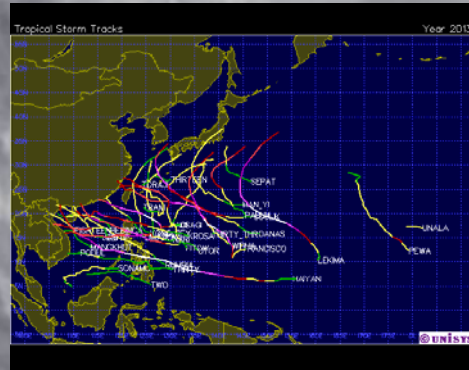


# Forum Agenda

## Day 2 -- This Afternoon

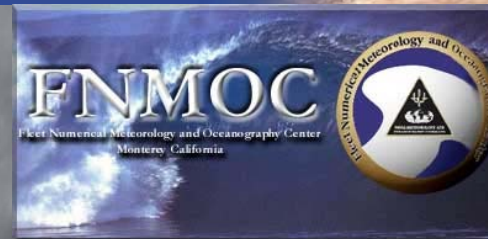
1:00 PM

The 2013 Forecast Season in Review



2:00- 5:45 PM

Transitioning Research to Operations (JHT, DTC, FNMOC)



# Forum Agenda

## Day 3 – Wednesday, 5 March



9:30 AM – 11:45 AM

**Tropical Cyclone Observations and Observation Applications, Part I**



1:PM – 2:45 PM

**Tropical Cyclone Observations and Observation Applications, Part II**



3:00 PM – 5:30 PM

**Tropical Cyclone Numerical Modeling Initiatives**



# Forum Agenda

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## Day 4 – Thursday, 6 March

**9:30 AM – 11:00 AM**

**Research Priorities of the Operational Centers**

**11:15 AM – 12:15 PM**

**Applications of Social Science to  
Tropical Cyclone Forecasts and Warnings**

**1:15 PM**

**Presentation of the Richard H. Hagemeyer Award**

# Forum Agenda

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**Day 4 – Thursday, 8 March**

**Final Plenary Session**

**1:45 PM – 3:45 PM**

**Summary of Assessment Results—Agency Perspectives**

**Moderator: John D. Murphy (NOAA/NWS)**

**Panelists:**

- **NOAA: Dr. John Cortinas and Dr. Frank Marks**
- **Navy: Dr. Ron Ferek**
- **NSF: Dr. Michael C. Morgan**
- **NASA: Dr. Ramesh Kakar**

# Forum Agenda

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**Day 4 – Thursday, 8 March**

**Final Plenary Session**

**3:45 PM – 4:30 PM**

**WG/HWSOR: Action Item Review  
Final Wrap-Up  
Adjourn**

A satellite-style image of Earth's surface, showing a mix of dark blue and greyish-blue oceanic or rocky terrain, and lighter greenish-grey landmasses. The text is overlaid in the center in a bold, black, sans-serif font.

# **Special Acknowledgement**

**2014 TCRF/68<sup>th</sup> IHC Planning Team**

**Dr. Frank Marks**

**Dr. Ron Ferek**

**Dr. Jack Kaye**

**Dr. Michael Morgan**

**Dr. Sandy MacDonald**

**Dr. John Cortinas**

**Dr. Mark DeMaria**

**Dr. Christopher Landsea**

**Mr. John Murphy**

# Conference Staff

**Chair: Samuel P. Williamson**

<b>Forum Technical Director Assistant Director</b>	<b>Mr. Bob Dumont (OFCM/STC) Ms. Erin McNamara (OFCM)</b>
<b>Forum Coordinator for Logistics</b>	<b>Ms. Erin McNamara (OFCM)</b>
<b>Webinar and Audiovisual</b>	<b>Mr. Ken Barnett (OFCM) Mr. Tony Ramirez (OFCM/STC)</b>
<b>Registrars</b>	<b>Ms. Erin McNamara (OFCM) Ms. Christina Bork (OFCM)</b>
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<b>Forum Rapporteurs</b>	<b>Mr. Michael Bonadonna (OFCM) Mr. Floyd Hauth (OFCM/STC) Col Gary Kubat (Air Force/OFCM) CAPT Erika Sauer (Navy/OFCM) Dr. Daniel Melendez (NWS) Ms. Danielle Trachewsky (STC)</b>

# Senior-Leader Panel

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