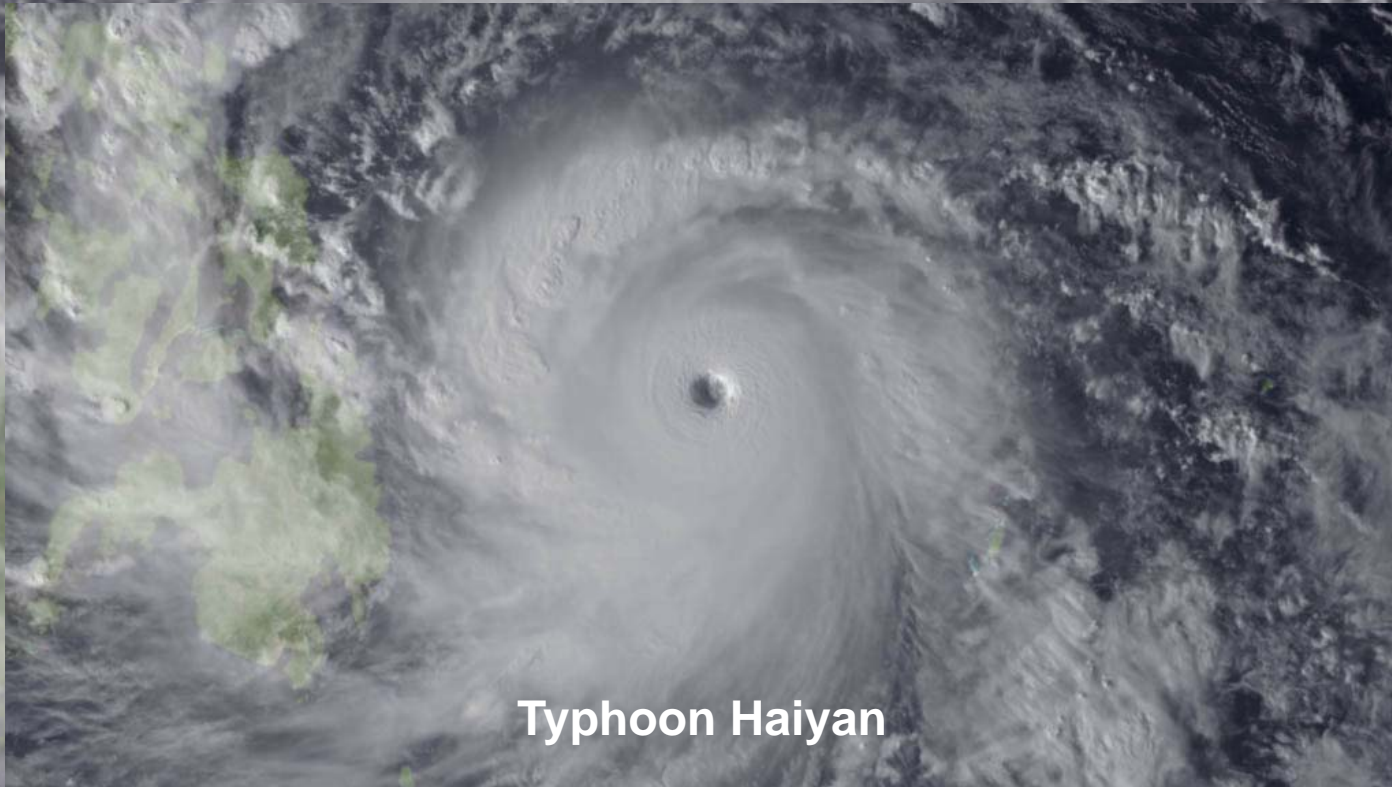


**68th Interdepartmental Hurricane Conference
2014 Tropical Cyclone Research Forum**



Typhoon Haiyan

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

March 3 – 6, 2014

Final Remarks

Mr. Samuel P. Williamson
Federal Coordinator for Meteorology

68th 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**

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

- 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 Outcomes

- **Impressive results so far from NASA's Global Hawk missions. Data are useful and valuable for TC research and operations.**
- **Commend NOAA and other agencies that obtained Disaster Relief funding (post Sandy) to mitigate satellite data gaps. These funds will fund P3 wing replacements and expanded Global Hawk activities to support additional TC research and operations.**
- **JHT and DTC continue to provide excellent new technologies and techniques for TC forecast centers. The Nation benefits from the improvement in predictions and warnings.**
- **Research presented by the ocean community shows great promise to improve TC track and intensity forecasts because of increased types and accuracy of ocean data in TC environment.**

Forum Outcomes - 2

- **Advances in numerical weather prediction for tropical cyclones point to future improvements in forecasts for track, intensity, rapid intensification, and genesis.**
- **Forum presentations provided many examples of research and development that reflected extensive collaborations and partnerships with other agencies and academia. The coordination process and working relationships are healthy and productive.**
- **NSF support of basic research for TC requirements in observations, modeling, and prediction is increasingly productive and beneficial to the Nation.**
- **There is a continued need to improve the integration of social science research and processes into the TC forecast and warning program.**

Next Steps

- **Update and publish the 2014 National Hurricane Operations Plan**
- **Complete a comprehensive assessment of our Nation's tropical cyclone research program and publish an assessment report, to include updated priorities for the operational centers (NHC, CPHC, and JTWC)**

A Special Thank You

Forum Technical Director Assistant Director	Mr. Bob Dumont (OFCM/STC) Ms. Erin McNamara (OFCM)
Forum Coordinator for Logistics	Ms. Erin McNamara (OFCM)
Webinar and Audiovisual	Mr. Ken Barnett (OFCM) Mr. Tony Ramirez (OFCM/STC)
Registrars	Ms. Erin McNamara (OFCM) Ms. Christina Bork (OFCM)
Forum Coordinators	Dr. Mark DeMaria (NHC) Dr. Chris Landsea (NHC) Mr. Michael Bonadonna (OFCM) Col Gary Kubat (Air Force /OFCM) CAPT Erika Sauer (Navy/OFCM) Dr. Daniel Melendez (NWS)
Forum Rapporteurs	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)

The 2014 TCRF is Adjourned



**Thank you for attending
and participating in the
2014 Tropical Cyclone
Research Forum**

**On behalf of the Office of the Federal
Coordinator for Meteorology,**

Have a safe trip home!