

# Office of the Federal Coordinator for Meteorological Services and Supporting Research

## Mini-Workshop

# Unmanned Aircraft Systems for Environmental Monitoring

## AGENDA

November 8, 2012

DCO: <https://connect.dco.dod.mil/uasminiws> Dial-in 866-713-4157 pc 2104190#

9:00 AM	Administrative Information	<b>Mr. Michael F. Bonadonna</b> Senior Staff Meteorologist, OFCM
9:05 AM	Welcome	<b>Mr. Samuel P. Williamson</b> Federal Coordinator for Meteorology
<b>Session 1: Federal Agency Perspectives on Unmanned Aircraft System Applications for Environmental Research and Monitoring</b>		
<i>This session will describe the UAS activities and interests of federal government agencies; explore their needs, requirements, and priorities; and identify gaps and leveraging opportunities.</i>		
9:15 AM	National Oceanic and Atmospheric Administration (NOAA) UAS Organizational Perspectives	<b>Dr. Sandy MacDonald</b> (via telecom) Director, Earth System Research Laboratory and Deputy Assistant Administrator for Research Laboratories and Cooperative Institutes
9:30 AM	National Aeronautics and Space Administration (NASA): Tropical Cyclone Research	<b>Dr. Scott Braun</b> Hurricane and Severe Storm Sentinel (HS3) Principal Investigator. Laboratory for Mesoscale Atmospheric Processes at NASA/Goddard Space Flight Center.
9:45 AM	FAA / JDPO UAS Comprehensive Plan	<b>Dr. Karlin Toner</b> (via telecom) Director of the Joint Planning and Development Office (JPDO)
10:00 AM	National Science Foundation UAS Research Interest	<b>Dr. Stephan P. Nelson</b> Section Head for National Center for Atmospheric Research and Facilities
10:15 AM	National Weather Service (NWS) Data Exploitation Plans	<b>Mr. Peter Roohr</b> Office of Science and Technology, National Weather Service (NWS) NOAA
10:30 AM	USAF Environmental Monitoring with UAS	<b>Dr. Fred P. Lewis</b> Director of Weather, Headquarters, United States Air Force (USAF)
10:45 AM	USN METOC data collection with UAS	<b>Mr. Adam Cohan</b> , Oceanographer of the Navy Staff Requirements, OPNAV N2/N6E
11:00 AM	Department of Energy (DOE) UAS Science Program	<b>Mr. Rick Petty</b> Program Manager, Climate and Environmental Science Division, Office of Biological and Environmental Research, Dept. of Energy
11:15 AM	<b>Session 1 Discussion</b>	
11:30 AM	<b>LUNCH BREAK</b>	

### Session 2: Collaborative Global Hawk Operations

*This session will describe plans to use Global Hawk UASs for tropical reconnaissance and research in the Pacific ocean region and develop a business case to implement the plan.*

1:00 PM	Global Hawk CONOPS Proposal	<b>Dr. Pat Harr</b> Professor, Naval Postgraduate School
1:15 PM	NASA Global Hawk Operations	<b>Mr. Bruce Tagg</b> (Via telecom) Director, NASA Airborne Science Program And <b>Mr. Philip Hall</b> , CDR/NOAA Global Hawk Deputy Project Manager NASA Dryden Flight Research Center
1:30 PM	USAF Operations	<b>Mr. Robert Falvey</b> , Joint Typhoon Warning Center <b>Lt Col Jason Patla</b> , Commander 17 Weather Squadron, Hickam AFB Hawaii
1:45 PM	Business Case for Interagency Global Hawk Collaboration	<b>Ms. Robbie Hood</b> UAS Program Manager NOAA
2:15 PM	<b>BREAK</b>	

### Session 3: National Concept of Operations (CONOPS)

*During this session, participants will review the current Concept of Operations for the use of UAS for environmental monitoring and continue development of an interagency national CONOPS*

2:30 PM	UAS National CONOPS	<b>Ms. Robbie Hood</b> UAS Program Manager NOAA
2:45 PM	The Subcommittee on Unmanned Systems National Strategy	<b>Capt John Adler</b> NOAA Office of Maritime and Aviation Operations
3:00 PM	CONOPS development	<b>Ms. Robbie Hood</b> UAS Program Manager NOAA

### Session 4: Wrap up

3:30 PM	Workshop Wrap Up and Action Items	<b>Mr. Michael F. Bonadonna</b> Senior Staff Meteorologist, OFCM
3:45 PM	<b>Closing Remarks</b>	<b>Mr. Samuel P. Williamson</b> Federal Coordinator for Meteorology
4:00 PM	<b>ADJOURN</b>	