

UAS Weather Forum

Moderated by Matthias Steiner



NCAR | NATIONAL CENTER FOR
ATMOSPHERIC RESEARCH

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*Co-located Partner Event at AUVSI's XPONENTIAL
Monday, 8 May 2023 in Denver, CO*

The UAS Weather Forum provides a platform for UAS operators; federal & state agencies; weather researchers & providers; trade groups; safety & insurance groups; UAS manufacturers; & others to:

- Share experiences with expected & unexpected weather impacts
- Engage in a dialogue about weather needs for UAS operations
- Collect requirements for developing better weather guidance
- Cultivate strategies on how to make progress with needed weather support
- Assist regulators with safe integration of UAS into the national airspace system considering weather impacts
- Explore opportunities for using UAS-sensed environmental information for enhanced situational awareness & better weather prediction
- Facilitate weather education & outreach

Use of Drones in Weather-related Emergency Management



Today's Agenda

Welcome & Setting Stage

Matthias Steiner, National Center for Atmospheric Research

Operating Drones in Extreme Weather

Brandon Clement, Live Storm Chasing

How Drones Can Help Utilities Reducing Time to Action in the Aftermath of Hurricanes

Eric Schwartz, Florida Power & Light Company

Beneficial Uses of Drones in Emergency Services

Richard Steidell, Boulder Police Department UAS Unit

Break

Applications and Considerations for UAS to Support Wildland Fire Management

Marcus Johnson, NASA Ames Research Center

UAS Sensor Package for Environmental Monitoring and Air Quality Studies

Eric Apel, NCAR Atmospheric Chemistry Observations & Modeling

Adjourn