



## 2021 Virtual Dust Workshop Agenda

**Goal:** Virtually bring together a wide and diverse group of vested partners for the 10th annual Arizona Dust Workshop. This workshop will provide an opportunity to evaluate and discuss recent successes, while also developing future endeavors and goals. The workshop is also designed to strengthen existing relationships and develop new relationships to mitigate the dust problem.

**Google Meet:** [meet.google.com/vbu-jbht-zqv](https://meet.google.com/vbu-jbht-zqv)

**Date:** Wednesday, March 24, 2021

**Time:** 8:30 AM - 12:00 PM MST/PDT (Arizona/California)

9:30 AM - 1 PM MDT (New Mexico)

1530 UTC -1900 UTC

### Breakout Chat/Networking Rooms available in the following areas:

General

Forecasting, Detection & Air Quality

Response & Transportation

Mitigation & Restoration

8:30-8:40 AM: **Introduction & Overview of Workshop**

### Panel/Session #1: Detection, Forecasting & Response

(10 minutes per presentation. Please ask questions via chat, most questions will be saved for the question and open discussion time at the end of the session.)

8:40-8:50 AM: **CubeSats: A New Tool In The Dust Storm Detection Toolbox**

*Tom Gill, University of Texas at El Paso*

8:50-9:00 AM: **High-Resolution (3km) Prediction of Dust Storms and Air Quality over the Southwestern US**

Daniel Tong - George Mason University

9:00-9:10 AM: **Forecasting and Numerical Simulation of Dust Storms**

*Peter Hyde, Arizona State University*

9:10-9:20 AM: **Dust Storm Warning Performance over the First Three Years and Other Operational Considerations**

*Jaret Rogers, NOAA/National Weather Service Phoenix, AZ*

*Larry Hopper, NOAA/National Weather Service Phoenix, AZ*

9:20-9:30 AM: **I-10 Dust Detection Network Update**

Joseph Jones, ADOT

*Kevin Duby, ADOT*

9:30-9:40 AM: **Questions and Open Discussion**

**Networking Break #1:** 9:40 AM -9:55 AM

**Panel #2: Miscellaneous Air Quality, Education and Science Related Topics**

(10 minutes per presentation. Please ask questions via chat. Most questions will be saved for the question and open discussion time at the end of the session.)

9:55-10:05 AM: **FAIR Principles of Data Science**

Marcos Mendez, UTEP

10:05-10:15 AM: **Continuation of Service Learning with NASA's GLOBE Observer on Dust Monitoring of the Chihuahuan desert**

*John Olgin, El Paso Community College*

10:15-10:25 AM: **Climate and Land Use Drivers of Dust and Investigating Implications for Snowmelt and Water Resources in the Colorado River Basin**

Travis Nauman, USGS

10:25-10:35 AM: **Classification of Dust Storms in Phoenix AZ and Their Implication on Air Quality**

*Karin Ardon-Dryer, Texas Tech University*

10:35-10:45 AM: **Questions and Open Discussion**

**Networking Break #2:** 10:45 AM -11:00 AM

**Session/Panel #3: Mitigation & Restoration**

(10 minutes per presentation. Please ask questions via chat. Most questions will be saved for the question and open discussion time at the end of the session.)

11:00-11:10 AM: **Linking soil health to dust prediction and mitigation: Project Updates from University of Arizona Research Team**

*Joey Blankinship, University of Arizona*

11:10-11:20 AM: **Restoration Research for Mitigating Dust Emissions**

*Molly McCormick, USGS*

11:20-11:30 AM: **Lordsburg Playa Dust Mitigation project**

*Trent Botkin, NMDOT*

11:30-11:40 AM: **Agricultural Best Management Practices and Dust Complaint Response**

*Madeline Greenbuam, ADEQ*

*Luke Messer, ADEQ*

11:40-11:50 AM: **Questions and Open Discussion**

11:50 AM-12:00 PM: **Wrap-Up**

12:00 PM: **Adjourn**

12:00 PM-2:00 PM: **Virtual Media Interview Availability**

