

AMS 2015: Teacher Workshop Agenda

Date: Saturday, January 3, 2015

Time: 8:00am – 4:30pm

Location:

Renaissance Phoenix Downtown Hotel
50 East Adams Street, Phoenix, Arizona












Registration Link: <https://secure.ametsoc.org/meet/atreg/>

TIME	ACTIVITIES		NOTES
7:15 - 8:00 am	Get Workshop Badge & Light Breakfast		Please register on-line. On-site registration will NOT be available.
		SPEAKERS/PRESENTERS	
8:00 - 8:10 am	Opening Remarks	Eileen Shea , ELS Jim Brey , AMS	
8:10 - 8:15 am	Logistics & Agenda	Danny Mattox , Oklahoma Climatological Survey	
8:15 - 8:45 am	Guest Speaker	Wayne Higgins , NOAA	Strengthening Linkages Between Climate Assessments and Education in the Southwestern U.S
8:45 - 9:25 am	Climate Phenomenon Session	Derek Arndt , NOAA	Climate Phenomena that affect Arizona's Weather and Climate
8:25 - 9:45 am	Orographic Lifting and Drought	Kevin Mart , Young Public School, AZ	A Case Study: The Mogollon Rim Weather Phenomenon and its Impact on the Southwest Drought"

9:45 - 10:00am	Break		
10:00 - 11:00 am	AMS Education Session	John Moore , AMS Board on Outreach and Precollege Education and Vicky Gorman , Medford Memorial Middle School, Medford, NJ	The author of the AMS Earth System STEM policy statement (John Moore) will briefly introduce the spirit of the policy and why it is important that pre-college teachers include satellites, satellite data, and image analyses in lesson plans and units. Following the introduction, there will be a block of instruction that will also include an AMS Project Atmosphere Module activity and analyses of various satellite images from the Internet. The satellite images will focus on the Southwest, and in particular, Arizona climate and weather.
11:00 - 11:30 am	Teaching Climate Session	Frank Niepold & LuAnn Dahlman , Climate.gov	The Teaching Climate section supports the Next Generation Science Standards (NGSS) Implementation through an integrated Earth system science approach in K-12 education.
11:30 am - 12:30 pm	LUNCH	Denise Henry , Ball Aerospace	Building a Weather Spacecraft
12:30 - 2:30 pm	Interactive Table Session	Sarah Crecelius , NASA LaRC Jessica Taylor , NASA LaRC Morgan B. Yarker , Yarker Consulting Monica Elser , ASU LuAnn Dahlman , NOAA Climate.gov	Learn about Water Resources and Climate tools that can be used in the classroom. <u>Presenters</u> Sarah Crecelius: Effects of clouds on Earth's weather and climate, specifically an interactive game reviewing the difference between weather and climate and making S'COOL cloud observations. Jessica Taylor: Arizona Wildfires Morgan B. Yarker: Temperature and or Precipitation data for the Phoenix area spanning the past 100 years. Monica Elser: The WaterSim Model - making decisions about water policy when facing climate change. LuAnn Dahlman: Climate Resilience Toolkit - provides resources and a framework for understanding and addressing the climate issues that impact people and their communities <u>Activities:</u>

2:30 - 3:30 pm	SHARE-A-THON		We will host a variety of organizations simultaneously that will share their educational resources and activities.
3:30 - 4:15 pm	Take Home Message	John Moore, AMS Board on Outreach and Precollege Education	
4:15 - 4:25 pm	Workshop Evaluation and Distribution of Certificates		
4:25 - 4:30 pm	Closing Remarks - Eileen Shea , ELS		
4:30 - 5:30 pm	RECEPTION		

Share-a-Thon Participant Organizations:

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| <ul style="list-style-type: none">  National Weather Service  Climate.gov  National Climatic Data Center  UCAR/NCAR | <ul style="list-style-type: none">  SSAI, NASA LaRC  Earth2Class  Ball Aerospace & Technologies Corp.  Mount Washington Observatory | <ul style="list-style-type: none">  East Carteret High School  Cooperative Institute for
Meteorological Satellite Studies  And More |
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