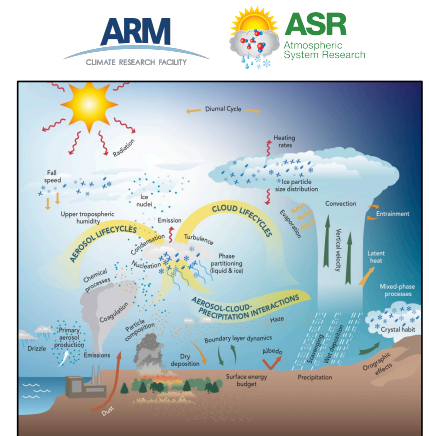


ARM Aerosol Measurements Supporting ASR Science

Aerosol Processes Working Group
Aerosol Measurement Science Group

Agenda:

- Introduction and Charge [McComiskey]
- Summary of Progress on Implementation Plan (IP) [Springston]
- Hygroscopicity Measurement [Uin]
- Status of Current IP Projects [Springston]
- Upcoming IP Projects [Springston]
- Summary of Best Practices for Instrument Operation and Calibration [Smith]
- Review of recent ARM Aerosol Measurements Survey [Riemer]
- Discussion: ARM Measurement Strategy Moving Forward [Mather]

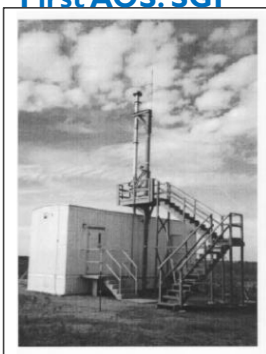


A Decade of new era ARM Aerosol Measurements

Then...

...and Now

First AOS: SGP



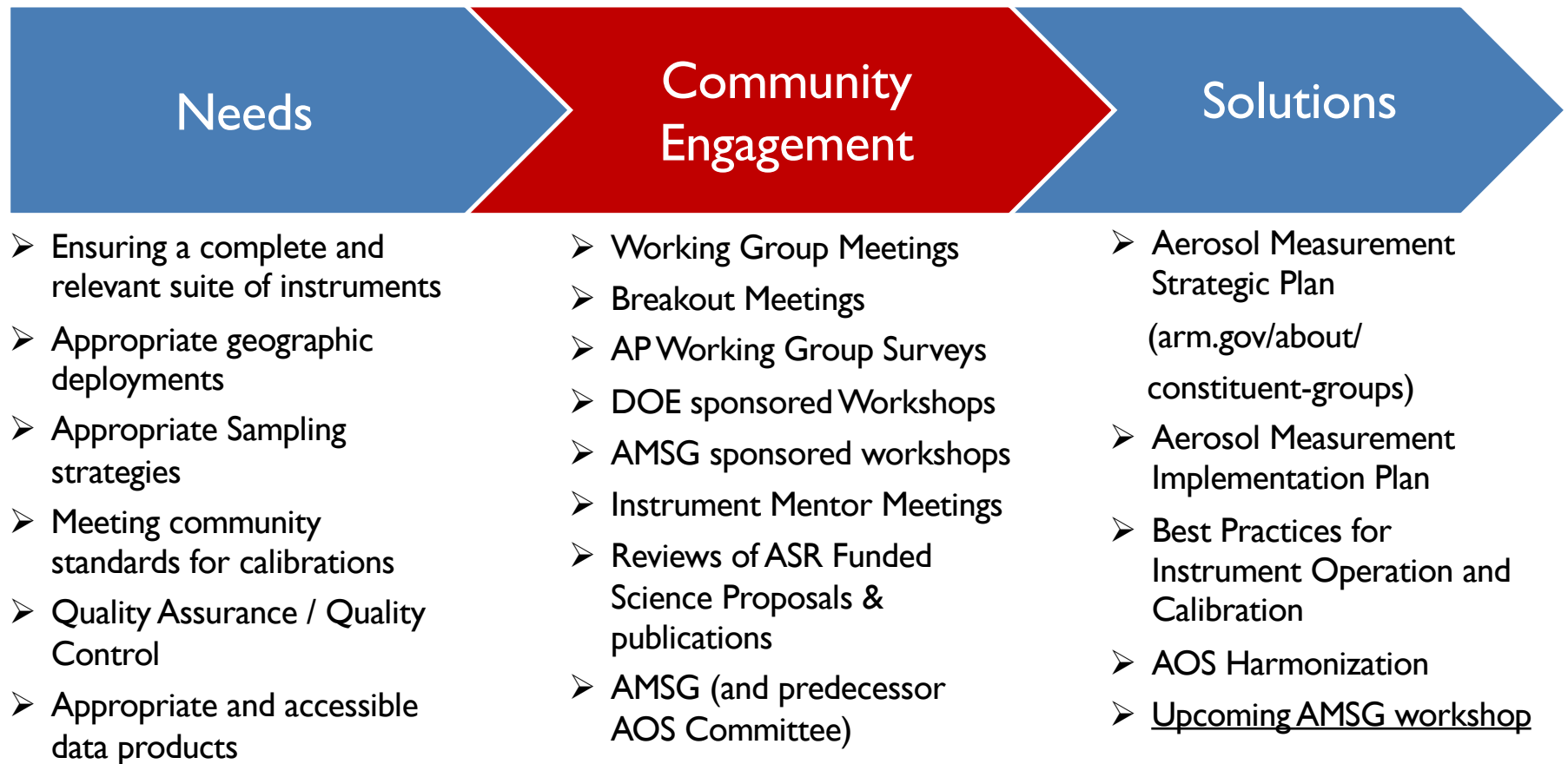
The Aerosol Observing System (AOS)

Instrument	AMF1 AOS00	SGP AOS09	AMF1 AOS01	AMF2 AOS02	AMF3 AOS03	ENA AOS06	MAOS ⁺¹	SGP AOS07
ACSM/Q								
ACSM/TOF				Guest for MOSAiC				
Aethalometer								
APS								
CAPS								
CO								
CCN	CCN-100	CCN-100	CCN-200	CCN-200	CCN-200 non	CCN-100		CCN-200
CPC								
μCPC								
GHG								
HTDMA			removed for CACTI	non winter				
1- 10-μm Impactor								
n-SMPS								
Neph, Amb								
Neph, Dry								
Nox								
O3								
PASS-3			sunset					sunset
PILS							removed	
PSAP								
PTRMS								
SMPS				Guest for MOSAiC				
SO2								
SP2				Guest for MOSAiC				
TAP								
UHSAS								
WXT520								

New AOS: SGP



ARM Aerosol Measurements Supporting ASR Science



Meeting Charge

Overarching Goal:

- Facilitate measurements and data products that meet DOE science goals

Meeting Objectives:

- Obtain guidance for building upon and refining the Aerosol Measurement Strategic Plan
 - Affirmation of the plan
 - Adjustments to the plan
- Obtain guidance for building upcoming AMMSG workshop agenda

Consider:

- Are current instruments/measurements relevant?
- How can calibrations and standards protocols be improved?
- Are locational and temporal sampling strategies appropriate for your science?
- What are critical data quality concerns?
- What data products are needed for your science?