In support of the Annual Meeting's theme of "observations lead the way," the Education Program highlights several initiatives that promote the use of real-world data while increasing diversity in the AMS-related fields.

AMS Climate Studies Diversity Project

- NSF-funded for 5 years (2011-2016)
- Introduced/enhanced geoscience and/or sustainability focused course components at MSIs that are signatories to the American College & University Presidents' Climate Commitment (ACUPCC) and/or members of the Louis Stokes Alliances for Minority Participation (LSAMP) Partnered with Second Nature to recruit signatories
- Introduced AMS Climate Studies to 101 faculty representing 90 MSIs
- Via a NSF no-cost extension, a 5th course implementation workshop will be held in May 2017
- Apply online: www.ametsoc.org/climatediversity
- Application deadline is 15 March

AMS trains faculty Faculty offer course; students learn **Faculty share** knowledge / experience

The AMS Climate Studies Diversity Project builds on highly successful, NSF-supported diversity projects for the AMS Weather and Ocean Studies courses (2001-2008). Together, the three AMS courses have reached 220 MSIs and more than 25,000 MSI students.

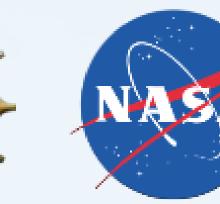
MSI-REaCH (Reconstructing Earth's Climate History)

- NSF-funded for 3 years (2015-2018)
- experiences for students at participating institutions
- Collaboration with Consortium for Ocean Leadership and 7 other institutions/organizations • Provides substantive professional development for MSI facutly and serves to enhance research-type
- Focuses on paleoclimate data gained through ocean sediment cores
- implement what they learn

Using Real-World Data to Train Faculty at Minority-Serving Institutions





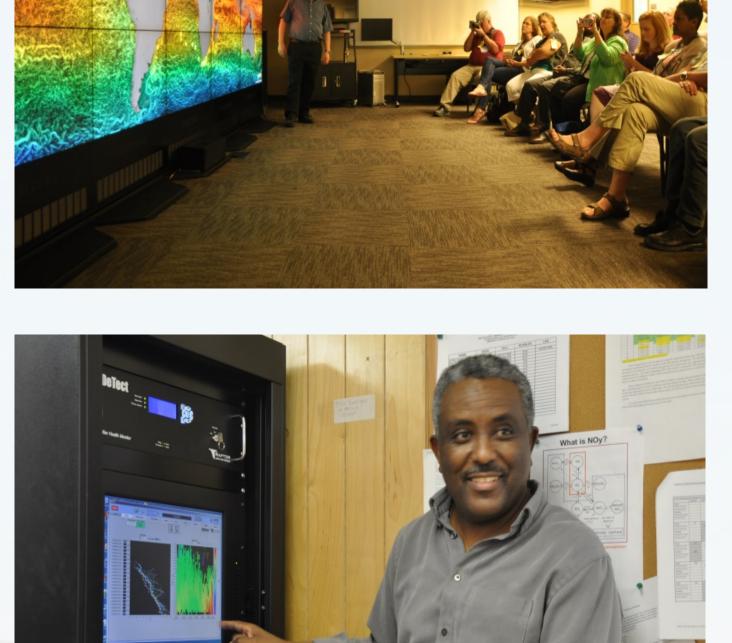






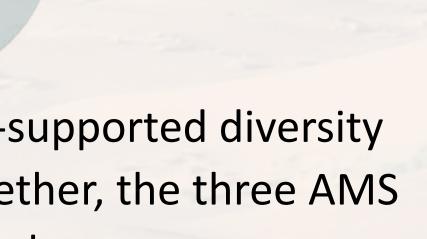








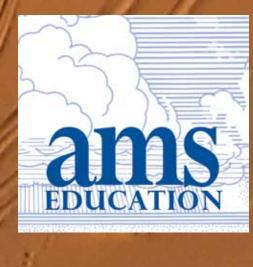






• Partners faculty with researchers and science instruction experts who act as mentors as faculty





American Meteorological Society Education Program amsedu@ametsoc.org ametsoc.org/EducationProgram

Wendy E. Abshire





- faculty resources

- offering the course



Lockheed Martin-funded

- Partnered with the U.S. Ice Drilling Program Office (IDPO) at Dartmouth College
- Focuses on paleoclimate study through examination of the ice core record
- for U.S. national research in polar regions
- core data/information into classroom
- Apply online: https://goo.gl/forms/UhomfScVIpdMVzLQ2
- Application deadline is 12 February

