



CAREERS

Channeling Atmospheric Research into Educational Experiences Reaching Students

NOAA Education Council Briefing

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Overview of CAREERS

- 2002 – current year
- 700 participants
- 11 locations to date in continental US and Puerto Rico
- Target audience ranges from 5th grade to 11th grade
- Scale and length of camps 5 days to 3 weeks
- Primary funding sources – NOAA, NSF, NASA, Private Sector

Purpose: Creating Environmental Scholars

- Stimulate interest in careers in weather and environment
- Attract and enlighten students regarding the study of the environment
- Recruiting underrepresented students
- Early exposure to college environment
- Professional development
- Realistic workplace environments
- NOAA Education Strategic Plan Objectives 4.1 & 4.2

Methods

- Locally relevant content
- Hands-on and immersive activities
- Exposure to a spectrum of professionals in the field
- Peer engagement (between camps, within camps)





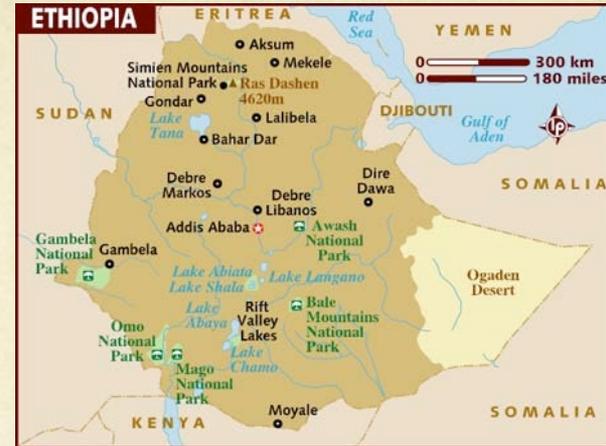
Daily life at weather camp



Our national network



Our international network





Interactions with NOAA

- Videoconferences
- Field Trips
- Visits by NOAA Personnel
- Use of NOAA Educational and Outreach Resources



Engagement with the Private Sector



- Sponsorships of Closing Awards Banquets
- Field Trips
- Invited Speakers
- Funding
- Take-Away Items



Value-added opportunities for students



Professional Meetings
Summer Internships
Apprenticeships



Outcomes

- 700 Students engaged in environmental literacy
- Significant impact on UPRM Physics Program enrollment (~ 40%)
- Model program established for ATMS camps
- ~ 60% of students enroll in NOAA sciences degree programs at the BS or BA level

Thank you!



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[<http://ncas.howard.edu/outreach-programs/weather-camp/>]

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