NCAR Advanced Study Program Mission:

To help NCAR, and the university community it serves, prepare for the future

- Stimulating the intellect of the research community
- Fostering the professional development of early career scientists
- Promoting advanced scientific educational opportunities at NCAR
- Focusing attention on emerging areas of science
- Facilitating interactions between NCAR, universities, and the broader community

Chris Davis, Director

www.asp.ucar.edu
ASP Postdoctoral Fellowships

- 8-10 new postdocs every year for two-year terms
- Academic freedom with scientific mentorship
- Fellows Association for all NCAR postdocs and graduate students.

Postdocs and Graduate Students: please join the Fellows mailing list at www.asp.ucar.edu
ASP Summer Colloquium

- Meeting for graduate students highlighting a cutting edge topic
- 3 weeks for students
- 25 graduate student participants + Researchers
- Topics change each year
- 2013:
  - Carbon-climate connections in the earth system
- 2014:
  - Uncertainty in climate change research: An integrated approach

2013 Student Colloquium Participants

www.asp.ucar.edu
ASP Graduate Visitor Program

- Roughly 20 students each year
- Deadline: October 31
- 3-12 month visits to NCAR in pursuit of thesis research
- Support for advisor visit

www.asp.ucar.edu
ASP Faculty Fellowship Program

- 3-12 month visits to NCAR
- Opportunities for NCAR scientific staff to visit U.S. universities
- Support for students
- 3-10 participants each year

www.asp.ucar.edu
Enhancing Diversity

- Target Postdoc, GVP and FFP opportunities at underrepresented populations
- Postdoc teaching appointments at Minority Serving Institutions (MSI)
- Funding NCAR scientists’ visits to MSIs
- Girl Scouts at NCAR. Annual spring event brings girl scouts and scientists together. Volunteer opportunity for all staff (April 28, 2012).
Research Topics
Classes of 2013-2014

HAO
• Tides
• Coronal Magnetic Field

EOL
• Cirrus clouds
• Polarimetric radar studies

NESL/MMM
• Scale-aware parameterization
• Orogenic convection
• Regional climate

RAL
• Snowmelt hydrology
• Urban weather and climate
• Regional climate

NESL/ACD
• Pollution; FRAPPE
• Volatile Organic Compounds
• Aerosols and weather

NESL/CGD
• Air pollution/climate
• Variable-res. global modeling
• Precipitation and climate change

ISP
Coral Reefs and Climate Change

CISL
• Radial Basis Functions
• Data Assimilation

Advanced Study Program
Join us on funding proposals...
Example: InterAmerican Development Bank

NCAR Water/Ag in South America
CCSM → WRF → Noah → WEAP

Univ of Nebraska
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Climate Change Scenario Modeling

NCAR Streamflow forecasting in Colombia
THE END