



NCAR Advanced Study Program Mission:

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

Chris Davis, *Director*

- 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

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

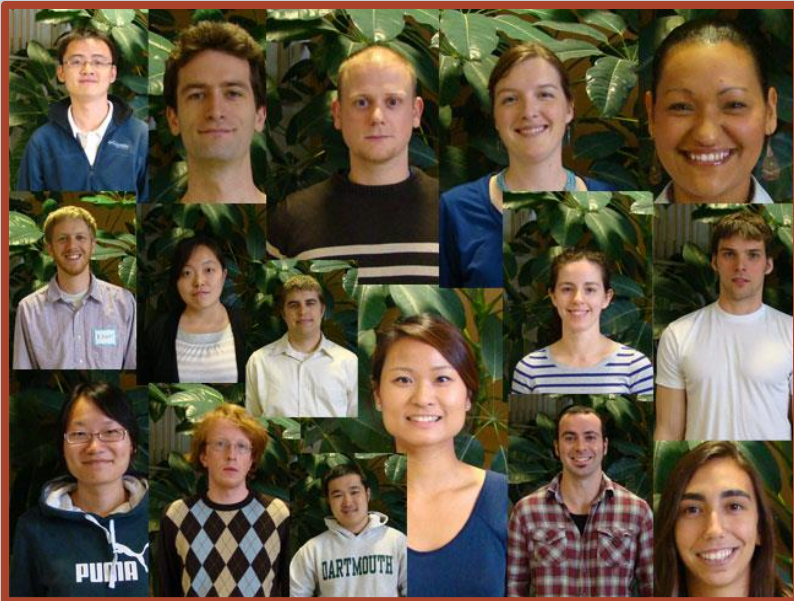


2013 Student Colloquium Participants

ASP Graduate Visitor Program



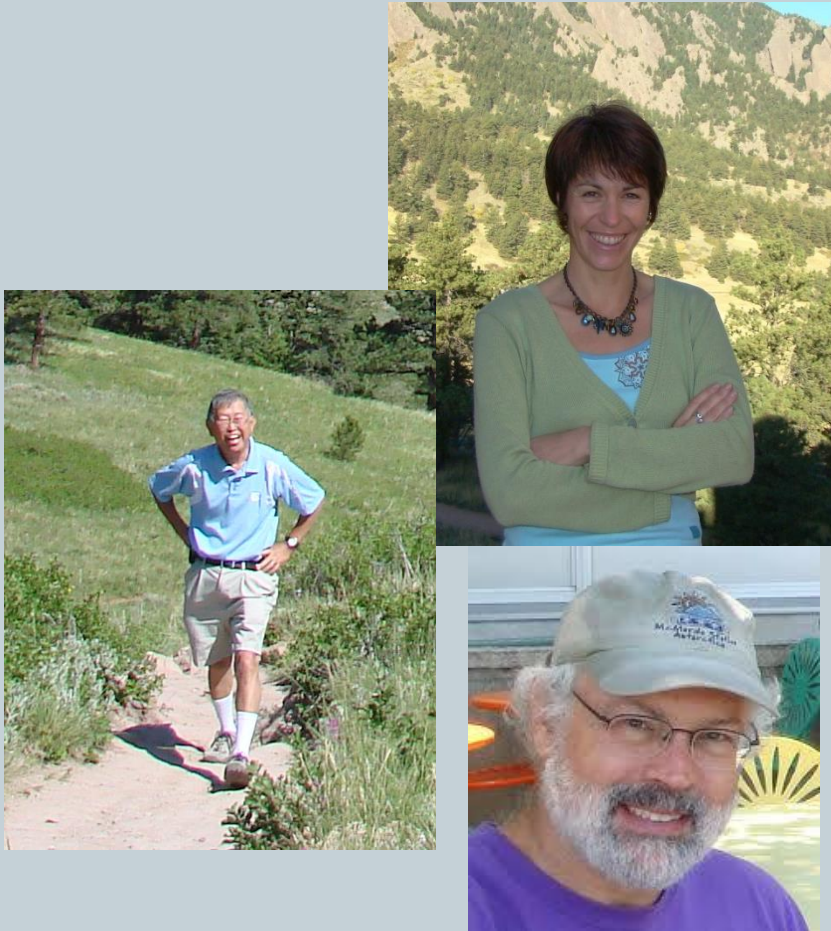
- 3-12 month visits to NCAR in pursuit of thesis research
- Support for advisor visit



- Roughly 20 students each year
- Deadline: October 31



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



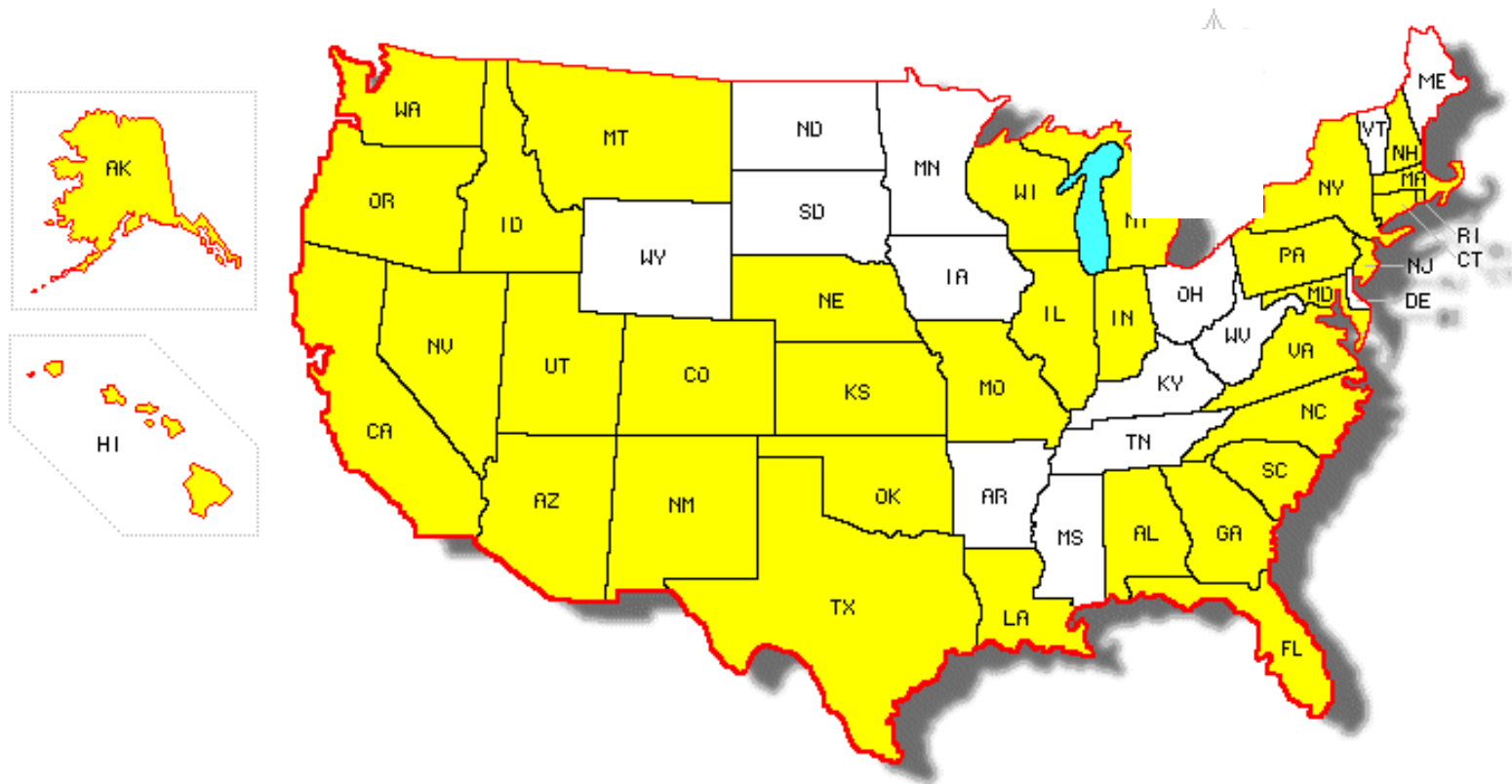
Enhancing Diversity



- 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).



ASP Visitors 2005 - 2014



Research Topics

Classes of 2013-2014

HAO

- Tides
- Coronal Magnetic Field

EOL

- Cirrus clouds
- Polarimetric radar studies

NESL/MMM

- Scale-aware parameterization
- Orographic 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

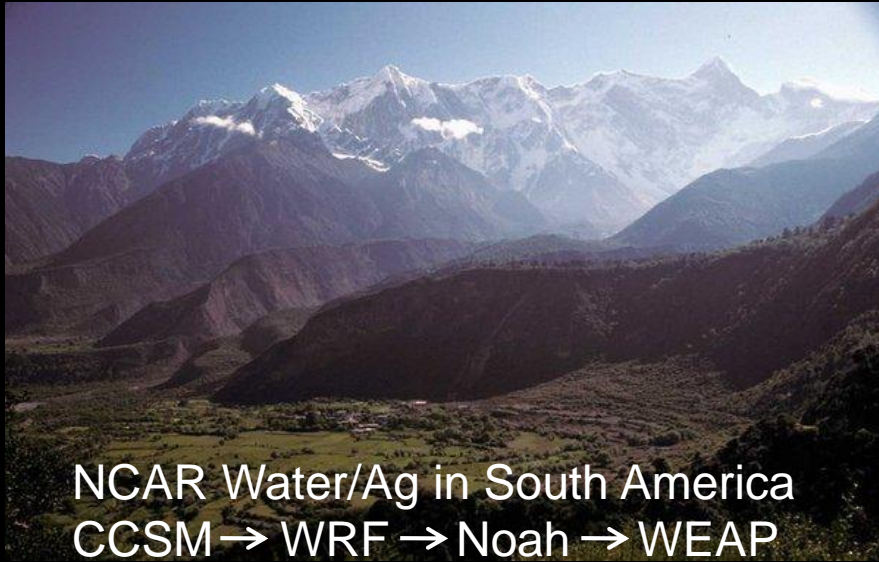
Coral Reefs and Climate Change

CISL

- Radial Basis Functions
- Data Assimilation

Join us on funding proposals...

Example: InterAmerican Development Bank



Univ of Nebraska

**Climate Change
Scenario Modeling**



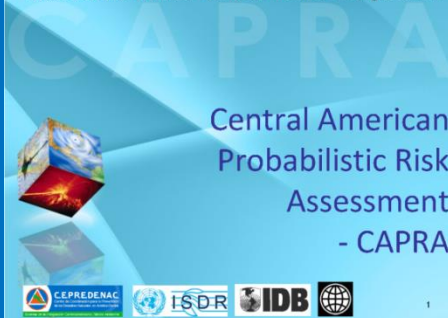
WEATHER RESEARCH AND
FORECASTING MODEL (WRF)
TUTORIAL AND CASE STUDIES
DEVELOPMENT

Boulder, Colorado
July 13-24, 2009

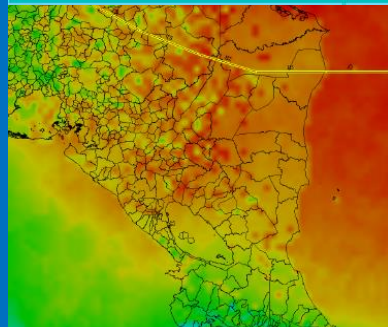


DB NCAR

Belize - Costa Rica - El Salvador - Guatemala - Honduras - Nicaragua - Panama



HURRICANE HAZARD



**NCAR Streamflow
forecasting in
Colombia**



THE END

