

Cooperative Institute for Research in the Atmosphere

CIRA

Colorado State University

CIRA Report
to the
Atmospheric Science Faculty

February 21, 2006

By

Tom Vonder Haar, Director



CIRA TODAY

- Operates under a 5-year renewable **Cooperative Agreement (CA)** with NOAA
 - Complementary CAs with DoI/NPS and DoD/ARL
 - 146 scientists, staff and students
 - Including 6 Federal NESDIS scientists/4 Federal NPS Scientists
 - Including 7 post docs, 21 graduate students, 16 undergraduates
 - Including 14 academic faculty (part time)
-
- \$13M/year in research and outreach funding
 - \$8M/year from NOAA



CIRA GRADUATE STUDENTS

- Gordon Wichern, Azimi, ECE
- Richard Cullin, Collett, ATS
- Guenter Engling, Collett, ATS
- Courtney Gorin, Collett, ATS
- Taehyoung Lee, Collett, ATS
- Xinhua Shen, Collett, ATS
- Mike Smith, Cotton, ATS
- James Halgren, Julien, CE
- Kelley Johnson, Kreidenweis, ATS
- Gavin McMeeking, Kreidenweis, ATS
- Giovanni Leoncini, Pielke, ATS
- Timothy Nobis, Pielke, ATS
- David Stokowski, Pielke, ATS
- Rahul Peroor, Ramirez, CE
- Matt Masarik, Schubert, ATS
- Brant Dodson, Vonder Haar, ATS
- Kevin Donofrio, Vonder Haar, ATS
- Kate Maclay, Vonder Haar, ATS
- Becca Mazur, Vonder Haar, ATS
- Dustin Rapp, Vonder Haar, ATS
- Curtis Seaman, Vonder Haar, ATS



CIRA Celebrating 25 Years

PREVIEW

Colorado
State
University

Knowledge to Go Places

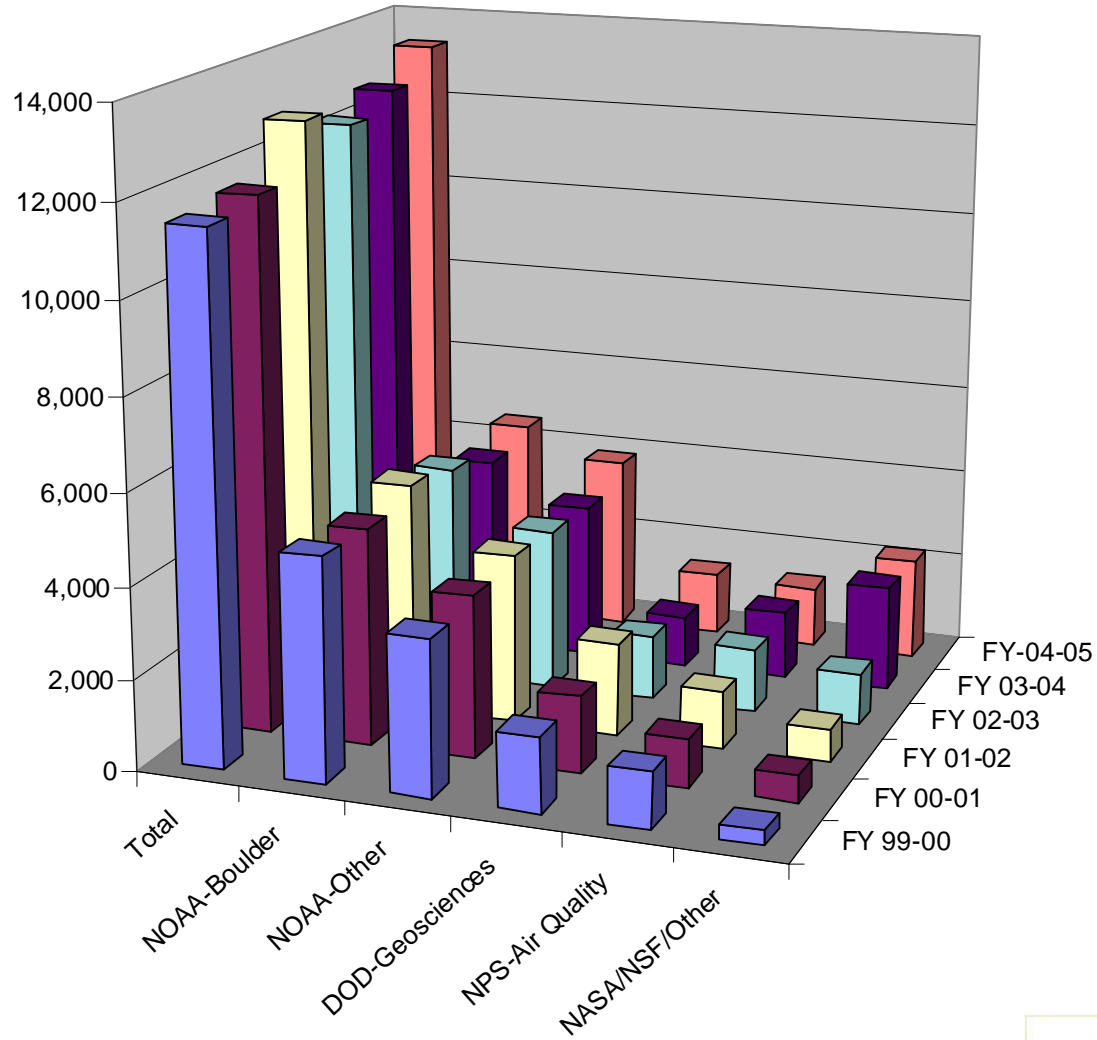
www.cira.colostate.edu

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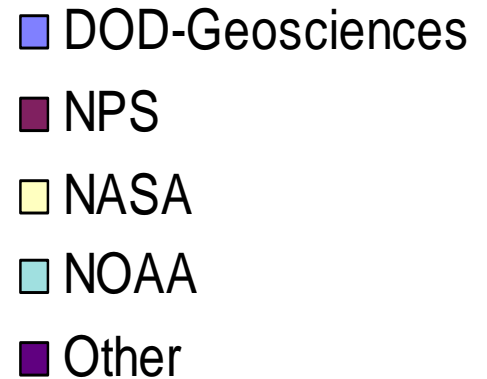
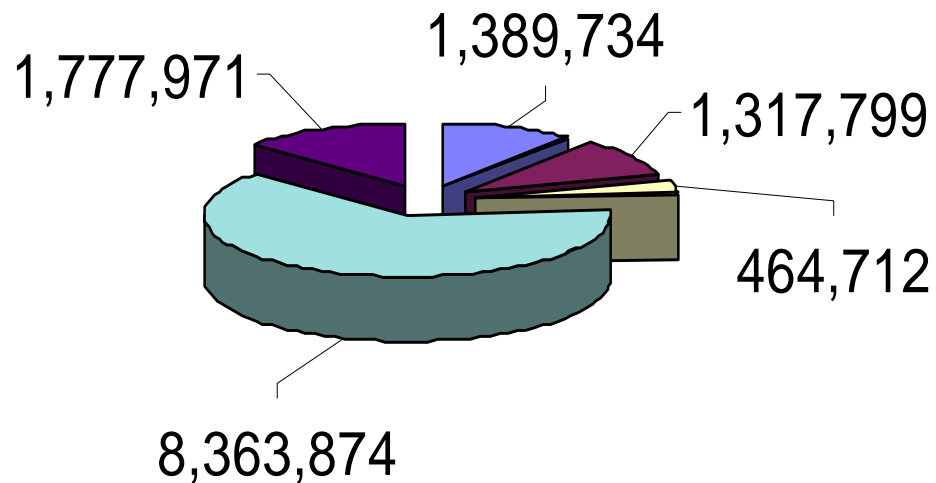
vonderhaar@cira.colostate.edu



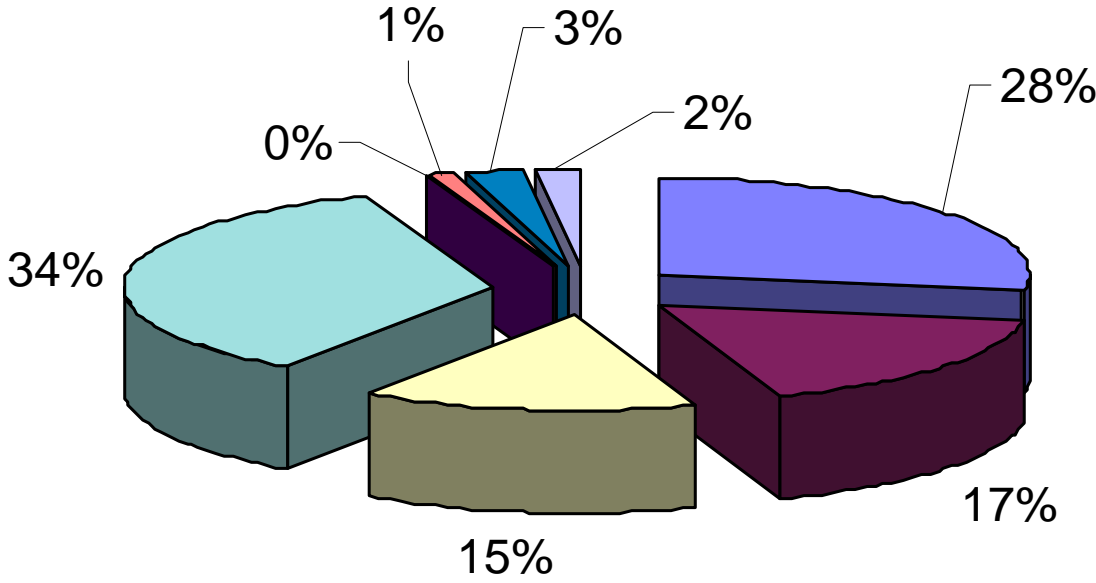
6-Year CIRA Research Activity



2004-05 CIRA Research Activity By Sponsor Total \$13,314K



CIRA-NOAA Task II FY 04-05 Research Activity By Theme



- Climate Studies
- Forecasting & Evaluation
- Cloud Physics
- Satellite Observations
- Air Quality & Visibility
- Societal Impacts
- Numerical Modeling
- Education, Training & Outreach



NOAA’S NEW PRIORITIES FOR THE 21ST CENTURY

NOAA’S new mission for the 21st century is “to understand and predict changes in the Earth’s environment and conserve and manage coastal and marine resources to meet our Nation’s economic, social and environmental needs.” To fulfill its mission, NOAA has defined four interrelated goals:

- Protect, restore and manage the use of **coastal** and **ocean** resources through **ecosystem**-based management
- Understand **climate** variability and change to enhance a society’s ability to plan and respond
- Serve society’s needs for **weather** and **water** information
- Support the Nation’s **commerce** with information for safe, efficient, and environmentally sound **transportation**.

And cross-cutting priorities:

- Integrated Global Environment Observation and Data Management System (satellites +)
- Environmental Literacy, Outreach and Education
- Sound, Reliable State-of-the-Art Research
- International Cooperation and Collaboration
- Homeland Security



CIRA'S NEAR-TERM PRIORITIES

- Propose to renew 5-year CA for DoD Center for Geosciences (early 2006)
- Begin construction of CIRA addition six (~2800 sq. ft., mid-2006)
- Host Science Workshops on the occasion of CIRA's 25th Anniversary with NOAA and 20th Anniversary of the DoD Center for Geosciences (mid-2006)
- Search for new CIRA Director (mid-2007)
- Propose to renew 10-Year CA with NOAA (2008)
- Develop a leadership transition (2008)

