CMMAP Education Goals

- Climate science workforce
- Teaching and learning of Earth System Science
- Climate science to public and stakeholders

Reach for the Sky

www.jeromewjonesjr.com/originalpaintings.htm
CMMAP Education Objectives

1. Enhance K-12 education
2. Outreach to climate stakeholders and policymakers
3. Improve undergraduate climate education
4. Graduate research and education

Reach for the Sky
Resource Allocation: Education

**GOALS**
- Climate science workforce
- Earth System Science Education
- Disseminate science results

**OBJECTIVES**
- Enhance K-12 science Curricula: $486,484
- Policy and Outreach: $98,430
- Undergrad Education: $31,741
- Graduate education and research: $357,060

**Total**: $974,060
Diversity Goals

A. Support and matriculate graduate students whose gender and ethnic makeup reflect those of the US population

B. Improve understanding of the structural barriers to gender and ethnic balance in science

C. Encourage participation in science and engineering by women, minorities and persons with disabilities at all levels
Diversity Objectives

1. Recruit, retain, and matriculate a cadre of diverse CMMAP Ph.D. students
2. Improve recruitment of underrepresented groups into Earth science at the undergraduate level
3. Improve the retention of women in the science and engineering pipeline
4. Understand and explain persistent underrepresentation by women and ethnic minorities in science
Resource Allocation: Diversity

**GOALS**

- Diverse graduate students
- Understand the barriers
- Diverse participation at all levels

**OBJECTIVES**

<table>
<thead>
<tr>
<th>Objective</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Recruit &amp; matriculate diverse PhD students</td>
<td>$177,905</td>
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<tr>
<td>Diversity in undergraduate STEM</td>
<td>$26,552</td>
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<tr>
<td>Retention of women in science pipeline</td>
<td>$41,480</td>
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<tr>
<td>Study barriers and solutions</td>
<td>$64,035</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$209,972</strong></td>
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Education & Diversity Management Structure

- Managing Director
- Director for Education & Diversity
- Science Education Manager
- Education & Diversity (ED) Committee
- Team Leaders (for 8 objectives)
- Implementation
Education and Diversity Management Strategies

- Decision making by three unit team
- Cindy Carrick, Managing Director
- Scott Denning, Director of Education & Diversity
- Christine Aguilar, Science Education and Diversity Manager
Education and Diversity Management Strategies

- Education and Diversity Oversight Committee
- Monthly telecons
- Includes:
  - CMMAP Scientists
  - School District Science Coordinators
  - Objective Leaders
  - Graduate student
Education and Diversity Management Strategies

- Education and Diversity Action Team
- "Committee of the Whole"
- Three-four meetings & retreats per year
- Assessment, Development, Planning