Education and Diversity
Education Goals and Objectives

GOALS

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

OBJECTIVES

<table>
<thead>
<tr>
<th>Objective</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Enhance K-8 science Curricula</td>
<td>$170,640</td>
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<tr>
<td>High school climate education</td>
<td>$68,502</td>
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<td>CMMAP science on the web</td>
<td>$79,831</td>
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<td>Outreach to stakeholders</td>
<td>$48,733</td>
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<tr>
<td>Undergraduate climate education</td>
<td>$43,418</td>
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<tr>
<td>Graduate education and research</td>
<td>$226,518</td>
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<tr>
<td>Teaching future teachers</td>
<td>$37,189</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$674,831</strong></td>
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Diversity Goals and Objectives

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

**OBJECTIVES**
- Recruit & matriculate diverse PhD students: $150,123
- Diversity in undergraduate STEM: $31,802
- Retention of women in science pipeline: $36,271
- Study problems and solutions: $60,579

Total: $278,775
Education items for discussion

- Science Education Manager
- ED Committee
- Teaching climate science to educators
- Thompson School District and Poudre School District
- Conducted ED-wide meetings in Fort Collins, Boulder, and Colorado Springs
Christine Aguilar, Science Education Manager

- Former public school teacher
- Master’s in Educational Leadership
- Five years’ experience managing a large federally-funded educational program
- Deep connections to local community and school districts
ED Management Structure

Assoc Director Education & Diversity

Science Education Manager

Team Leaders (for 11 objectives)

Implementation

Education & Diversity (ED) Committee
ED Committee

- Oversees planning and implementation of Education & Diversity activities

- Engages CMMAP’s scientific & intellectual talent in meeting education & diversity goals

- Includes representatives from all educational levels, research scientists, and diversity specialists

- Rotating membership allows participation by broad CMMAP community

- Meets monthly by telecon

- Plans and hosts ED components of CMMAP all-hands meetings
Some science educators lack strong climate background.

Eight teachers, school district representatives, and CMMAP personnel attend a weekly 2-hour climate class.

We are using this experience as a model for our summer climate course for science teachers.
ED-wide Team Meetings

- Meetings of about 30 CMMAP ED people held ~ monthly to facilitate communication, understanding, and collaboration across the Center

- Meetings held at CSU, in Boulder, and in Colorado Springs to encourage participation