

Education and Diversity



Education Goals and Objectives

GOALS

Climate science workforce

Earth System Science Education

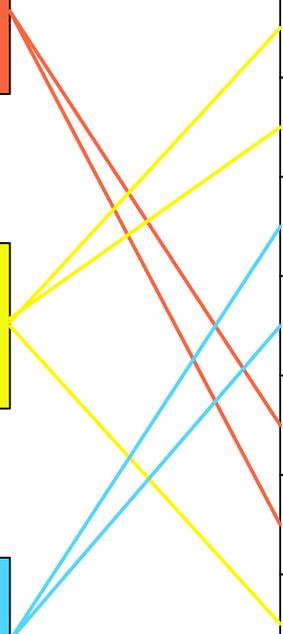
Disseminate science results

OBJECTIVES

Enhance K-8 science Curricula	\$170,640
High school climate education	\$68,502
CMMAP science on the web	\$79,831
Outreach to stakeholders	\$48,733
Undergraduate climate education	\$43,418
Graduate education and research	\$226,518
Teaching future teachers	\$37,189

Total

\$674,831



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

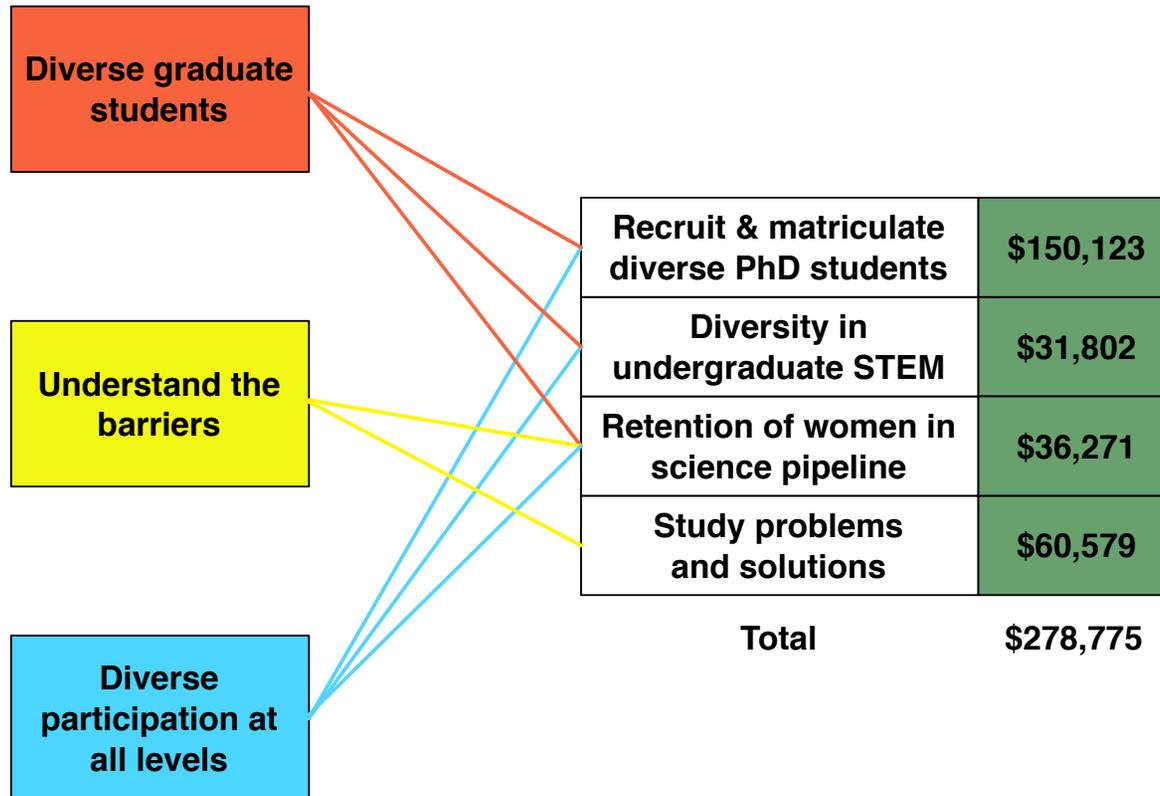
\$36,271

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**

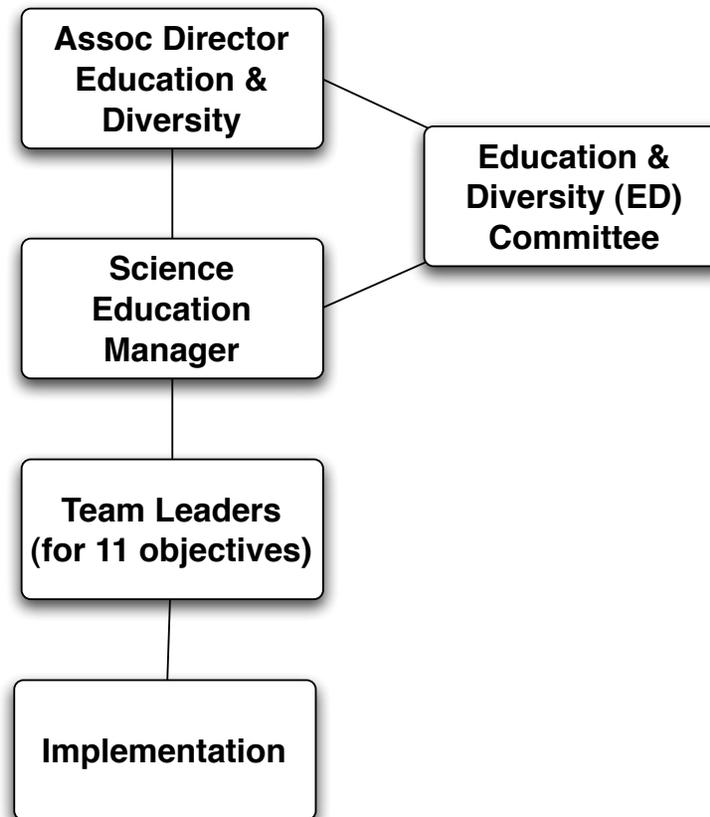


Christine Aguilar, Science Education Manager

- ◆ **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



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**



Climate Content for Educators

- ◆ **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**

