

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

Recruit & matriculate diverse PhD students

\$177,905

Diversity in undergraduate STEM

\$26,552

Retention of women in science pipeline

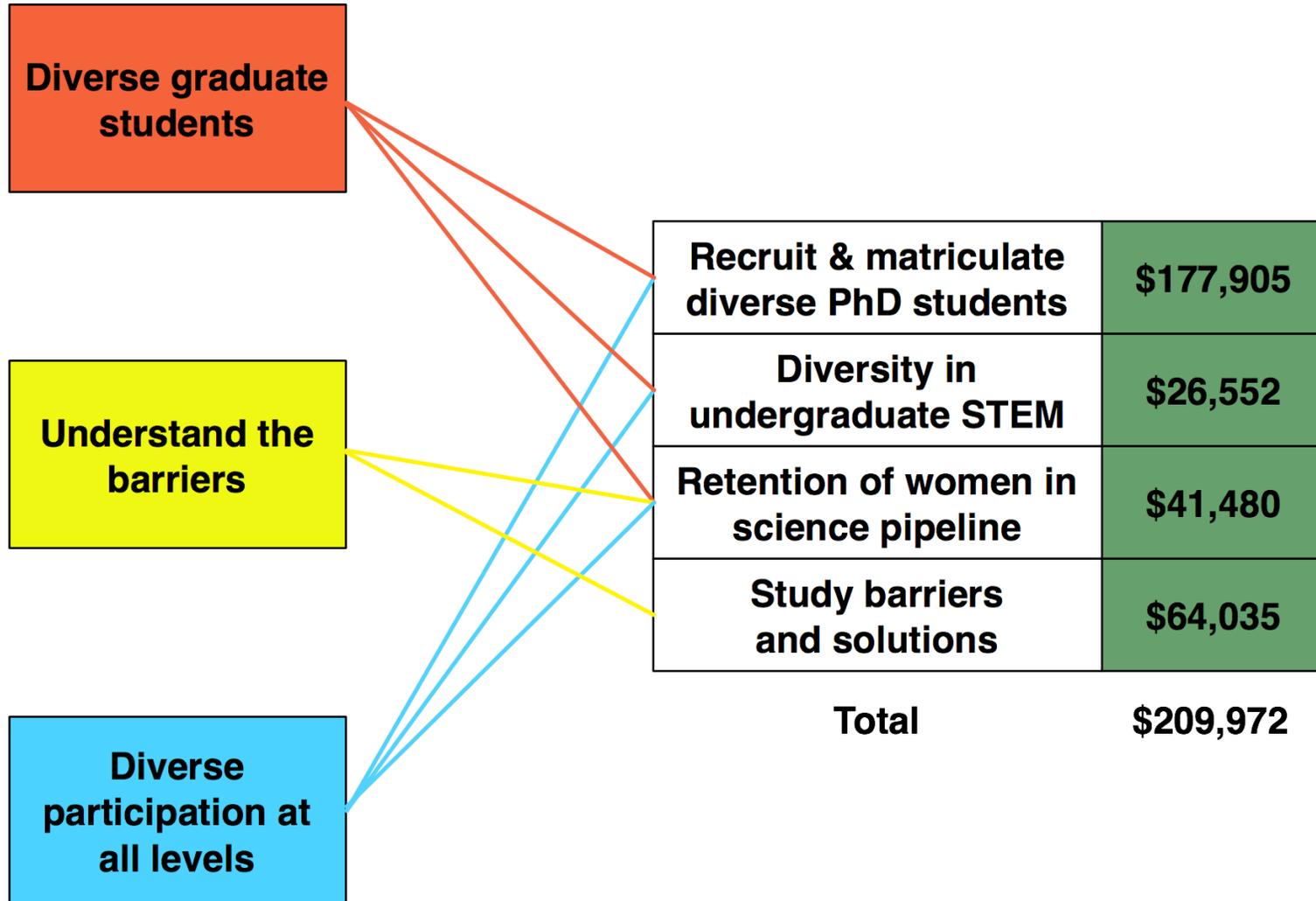
\$41,480

Study barriers and solutions

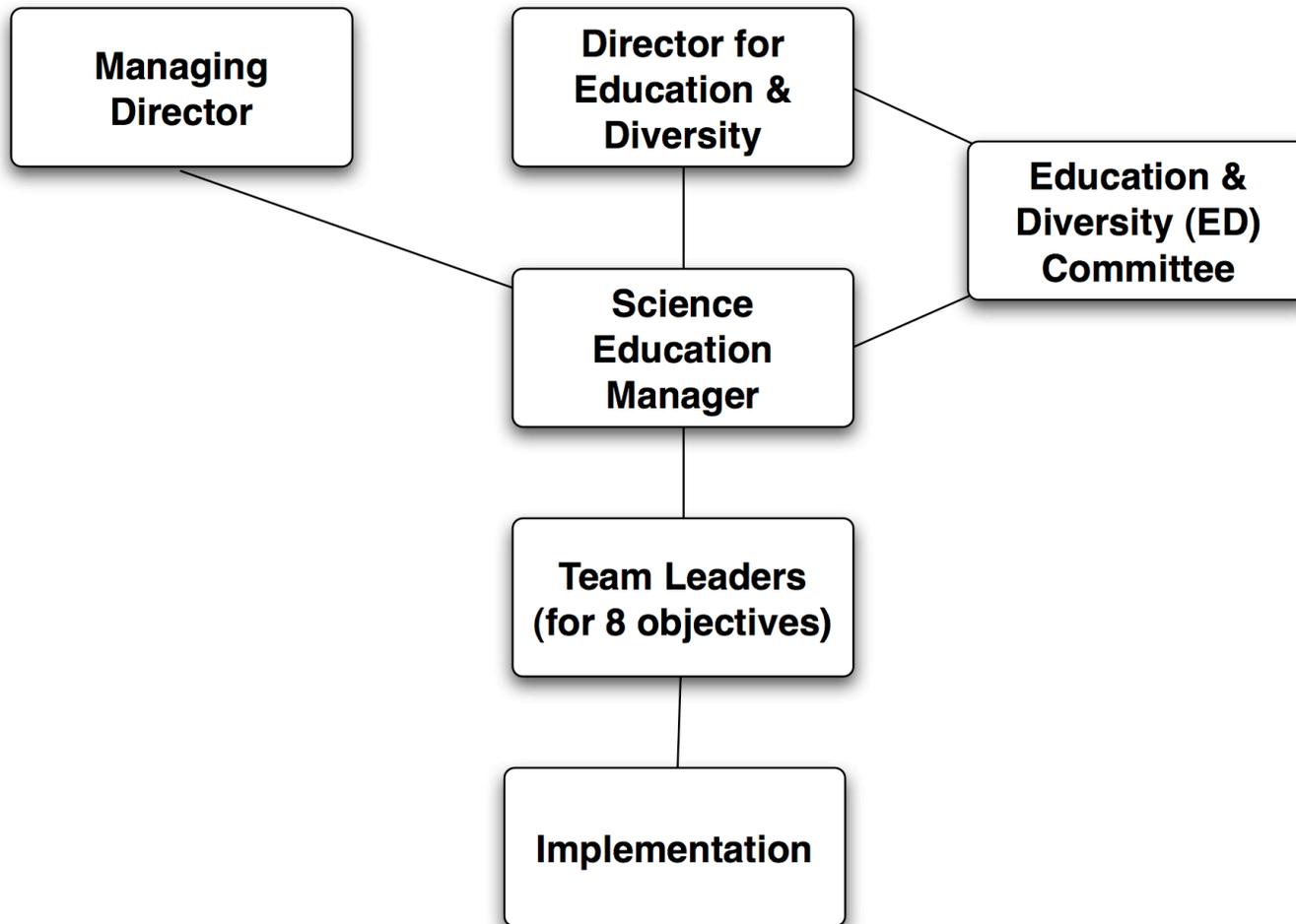
\$64,035

Total

\$209,972

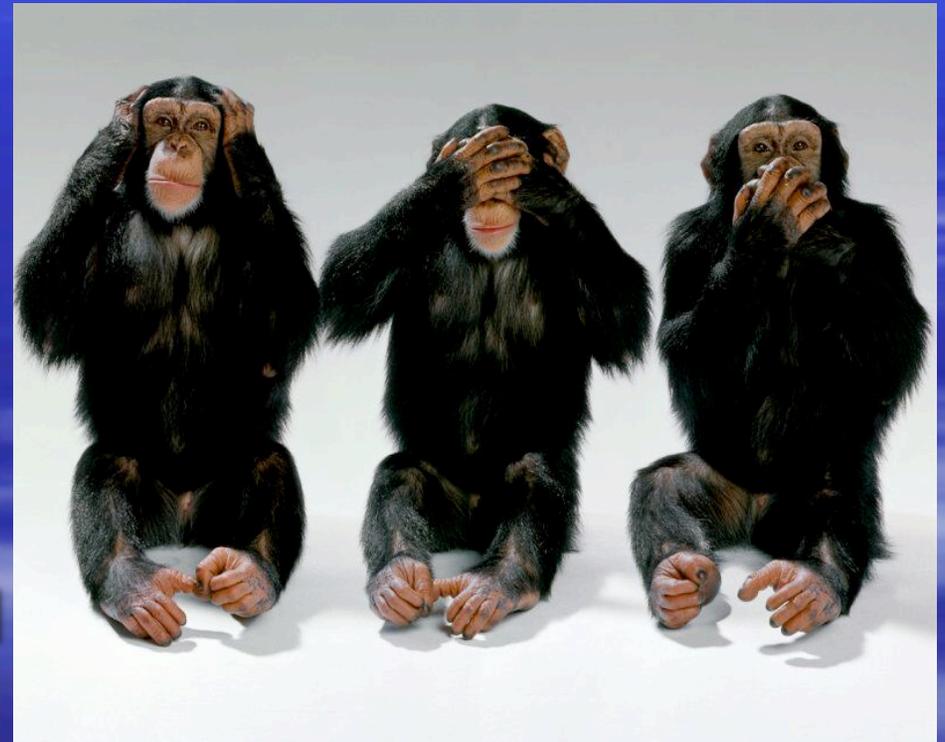


Education & Diversity Management Structure



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

