



Wisconsin Alliance for Minority Participation (WiscAMP)

University of Wisconsin System
Women & Science Opening Workshop

September 25, 2009



Outline

- Overview of WiscAMP
- Small Grants Program
 - Funding Opportunities
 - Examples for Proposals
- WiscAMP Academic Enrichment Program



WiscAMP

The Wisconsin Alliance for Minority Participation or WiscAMP is

- a consortium of 21 colleges and universities throughout Wisconsin
- funded by the National Science Foundation
 - as part of the Louis Stokes Alliance for Minority Participation (LSAMP)
- there are 41 LSAMP alliances across the Nation



WiscAMP Alliance – 22 Institutions

- 14 UW System Campuses
 - 13, 4-year UW-Campuses
 - UW-Colleges, 13, 2-year campuses
- 4 Private Colleges/Universities
 - Alverno College, Beloit College, Lawrence University, Milwaukee School of Engineering
- 3 Technical Colleges
 - Madison Area, Milwaukee Area, Nicolet Area
- 1 Tribal College
 - College of the Menominee Nation



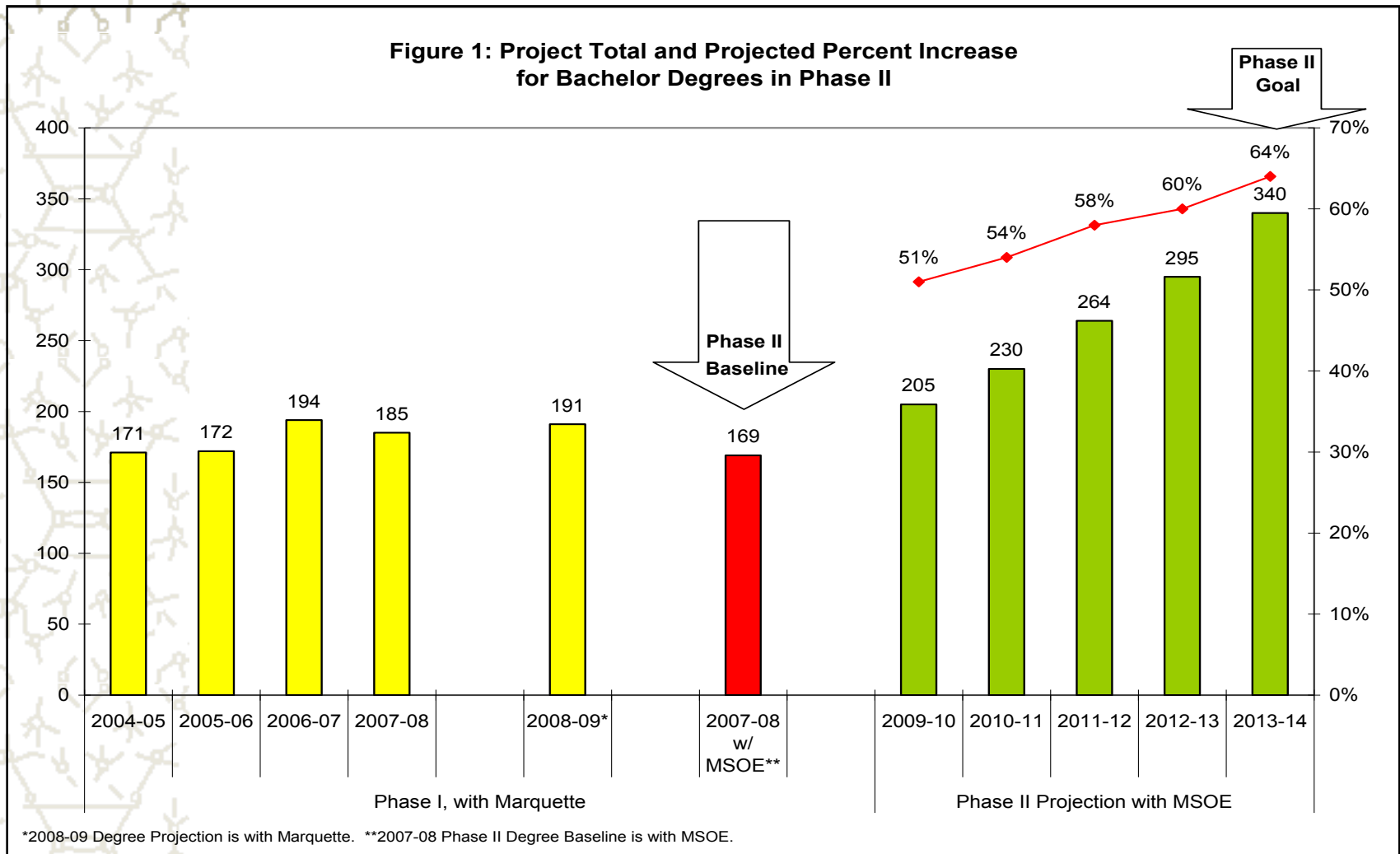
NSF Goals

- Double the number of baccalaureates awarded to underrepresented minority students in STEM disciplines within 5 years
- Forge a new academic alliance across institutions of higher education in the state of Wisconsin



Goal for Degrees

Figure 1: Project Total and Projected Percent Increase for Bachelor Degrees in Phase II





NSF Definition: STEM

STEM: Science, Technology, Engineering, and Mathematics

- Agricultural Sciences
- Chemistry
- Computer Science
- Engineering
- Environmental Science
- Geosciences
- Life/Biological Sciences
- Mathematics
- Physics/Astronomy



NSF Definition:

Underrepresented Minorities

- US Citizen or Permanent Resident
- Ethnic/Racial Background
 - American Indian or Alaska Native
 - Black or African Americans
 - Hispanic or Latino
 - Native Hawaiian or Other Pacific Islander
 - Hawaii, Guam, Samoa, or other Pacific Island



WiscAMP Areas of focus

- What practices can our institutions implement now that will assist in nurturing and retaining STEM students?
- How can we identify and support students demonstrating promise for success in a STEM career?
- How can we facilitate the transfer process from a two-year to a four-year institution?
- How can we encourage and prepare undeclared majors to move into a STEM major?



WiscAMP Award

- First Phase: November 1, 2004 – October 31, 2009
 - NSF: \$2.5 million over 5 years (\$500K/yr)
 - UW-Madison provided new monies to maintain the full \$500K/yr
- Second Phase: August 1, 2009 – July 31, 2014
 - NSF: \$2.5 million over 5 years (\$500,000/yr)
 - UW-Madison: \$600,000 over 5 years (\$120,000/year)
 - UW-System: \$550,000 over 5 years (\$110,000/year)
- Potential for renewal if successful
 - We are in Phase II of NSF-LSAMP Funding
 - There are 4 Phases to the NSF-LSAMP Program
 - Each phase provides 5 years of funding
 - Level of funding reduces in Phase 3 and 4



Small Grants





Small Grants Program Description

- Support efforts in increasing the number of baccalaureate degrees awarded to underrepresented minority students in STEM fields
- Eligibility is open to any of the 22 alliance institutions
- Simple application
 - 2 - 3 pages
 - Budget and Budget Justification
 - Submitted electronically



Small Grants Program

- Two Rounds of Funding each year
 - Spring (March)
 - Fall (August)
- Grants are capped at \$25,000
- Small Grants Review Committee
- Though capped at \$25,000, institutions or regions have been very creative
- Matching is not required, though sites have been generous with their in-kind
 - Matching
 - People's time – administrative costs



Small Grants Funding

Table 1: Small Grant Summary of Student Support by Grant Year

Year	Number of Proposals	Total Award for Stipends	Number of Students receiving Stipends	Average Stipend per Student	Other Student Participant Support	Total Amount Awarded	Proportion Participant Support
2004-05	13	\$98,407	48	\$2,050	\$12,565	\$117,161	95%
2005-06	11	\$74,775	76	\$984	\$28,381	\$159,527	65%
2006-07	9	\$124,600	54	\$2,307	\$28,906	\$167,615	92%
2006-07 (pending)*	2	\$30,000	10	\$3,000		\$30,000	100%
2007-08	6	\$116,850	53	\$2,205	\$19,494	\$144,336	94%
2007-08 (pending)*	5	\$97,500	60	\$1,596	\$35,460	\$153,035	87%
Total	46	\$542,132	301	\$2,024	\$124,806	\$771,673	86%



Proposal Ideas

- Summer Bridge
- Stipends to enhance research experience or expose students to science
 - Academic Year Research Assistantships
 - Summer Research Assistantships
- Travel for students to present at national or regional conferences
- Professionalization workshops for students
- Pilot programs that will seek additional funds
- Smaller schools should include partnerships



Partnerships

- Research Experiences for Undergraduates
 - UW – La Crosse
 - UW – Oshkosh
 - UW – Madison
 - Other LSAMP Institutions
- Beloit College and UW-Whitewater
- UW – Madison and Madison Area Technical College – Engineering Transfer Project
- UW – Madison and College of Menominee Nation
- Milwaukee Area Research Consortium



WiscAMP Enables Further Grant Opportunities

- **Funded:**

- UW – Stout, National Science Foundation, Science, Technology, Engineering, and Mathematics Talent Expansion Program
- WiscAMP, UW-System Closing the Achievement Gap Grant, WiscAMP-AEP
- UW – La Crosse, National Science Foundation, Research Experiences for Undergraduates
- UW – Madison, National Science Foundation, Undergraduate Research Mentoring Program
- UW – Stout, Department of Education, FIPSE Grant

- **Pending:**

- National Science Foundation Career Awards



Funding

- Most of the funds should go to directly to students:
 - Stipends
 - Travel
 - Conference fees
 - Lab fees or costs



WiscAMP Academic Enrichment Program



WiscAMP

Academic Enrichment Program

- Designed to address the decline in enrollment between freshmen and sophomore year
- Analysis suggested that this decline was due in part to student performance in first-year courses
- Targets students whose class performance in the first year threatens their continuation in a STEM discipline
 - A grade of B/C or C in calculus-level math, chemistry, biology or physics



Thank You!

WiscAMP Contact Information

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