



Wisconsin Louis Stokes Alliance for Minority Participation (WiscAMP)

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University of Wisconsin System
Women & Science Opening Workshop

September 27, 2012



Outline

- Overview of WiscAMP
- Small Grants Program
 - Funding Opportunities
 - Examples for Proposals
- Advanced Opportunities Program
- WiscAMP Excel



WiscAMP

The Wisconsin Louis Stokes Alliance for Minority Participation or WiscAMP:

- 22 colleges and universities throughout Wisconsin
- National Science Foundation (NSF) funded
 - Louis Stokes Alliance for Minority Participation (LSAMP)
 - 41 LSAMP projects in US and Puerto Rico
 - Senior AMPs can apply for a Bridge to the Doctorate Fellowship program



WiscAMP Alliance – 22 Institutions

14 UW System Institutions

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





WiscAMP Goals

Double the number of baccalaureates awarded to underrepresented minority (URM) students in STEM disciplines within 5 years

Forge a new academic alliance across institutions of higher education in the state of Wisconsin



NSF Definition: STEM

STEM: Science, Technology, Engineering, and Mathematics

Agricultural Sciences

Chemistry

Computer Science

Engineering

Environmental Science

- Geosciences
- Life/Biological Sciences
- Mathematics
- Physics/Astronomy



WiscAMP Eligibility

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

* The LSAMP Program specifies these particular groups as under-represented in STEM



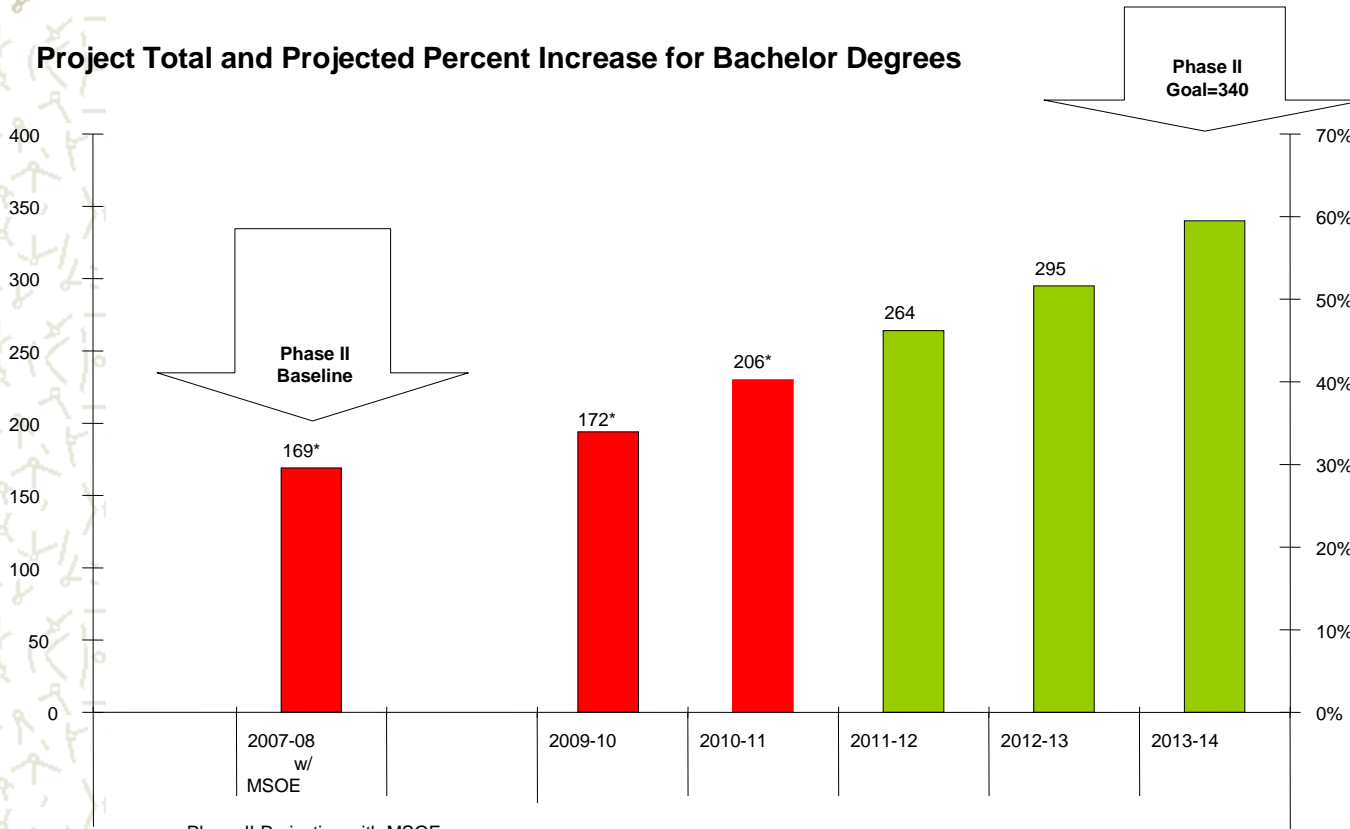
Changes in Ethnic/Racial Demographics for Wisconsin and Nationally

	Wisconsin		U.S.A.	
	Percent 2010	Change 2000-2010	Percent 2010	Change 2000-2010
White alone	86.2%	2.8% ↑	72.4%	5.7% ↑
Black or African American alone	6.3%	18.0% ↑	12.6%	12.3% ↑
American Indian & Alaska Native alone	1.0%	15.5% ↑	0.9%	18.4% ↑
Asian alone	2.3%	45.6% ↑	4.8%	43.3% ↑
Native Hawaiian and Other Pacific Islander alone	<0.5%	12.1% ↑	0.2%	35.4% ↑
Some Other Race alone	2.4%	60.1% ↑	6.2%	24.4% ↑
Two or More Races	1.8%	55.9% ↑	2.9%	32.0% ↑
Hispanic or Latino	5.9%	74.2% ↑	16.3%	43.0% ↑
Not Hispanic or Latino	94.1%	3.5% ↑	83.7%	4.9% ↑



Phase II Goal for Degrees

Project Total and Projected Percent Increase for Bachelor Degrees

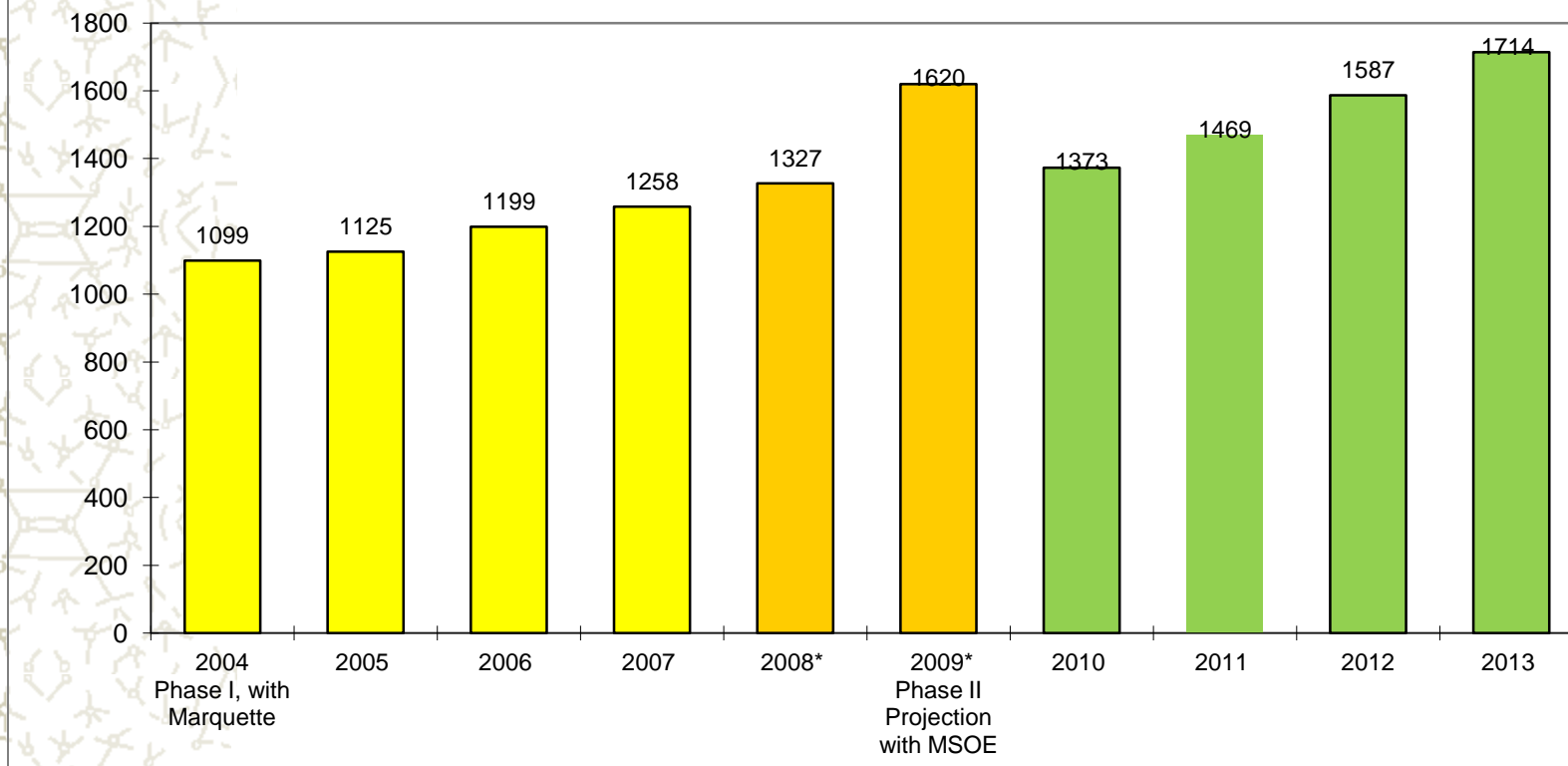


Phase II Projection with MSOE
*Actual as opposed to projected numbers



Phase II Goals for Enrollments

**Project Total and Projected Percent Increase
for URM Enrollment in STEM in Phases I & II**





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?



Small Grants Program



Small Grants Program Description

Support development, expansion or enhancement of programs to increase engagement, retention, and graduation of URM students in STEM

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

Fall deadline: November 9, 2012

Spring deadline: March 22, 2013

Grants are capped at \$25,000 for 1 year duration (can be repeated)

Small Grants Review Committee (representation from all regional alliances)

More than one grant per institution is allowed

Matching is not required, though sites have been generous with their in-kind

Matching

People's time – administrative costs



Small Grant Program

Constraints

Student support provided as:

- Stipends

- Travel

- Supplies

- Room & Board

Support for faculty & staff are limited



Funding

Most of the funds should go to directly to students:

- Stipends

- Travel

- Conference fees

- Lab fees or costs



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



Partnerships

Research Experiences for Undergraduates

UW – La Crosse

UW – Oshkosh

UW – Madison

Other LSAMP Institutions

Beloit College and UW-Whitewater

UW – Madison, UW—Platteville 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

College of Menominee, UW-Madison, UW-Platteville, TCUP Grant

Pending:

National Science Foundation Career Awards



Advanced Opportunities Program



Advanced Opportunities Program

Support degree completion for WiscAMP students

Enhance senior students' academic and career development

Facilitate connections between advanced students and faculty



WiscAMP Summer Program



WiscAMP Excel

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



WiscAMP Excel Outcomes

- 66% retained in STEM major or graduate with STEM degree
- 90 – 100% intend to stay in touch with each other and faculty



Thank You!

WiscAMP Contact Information

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