Broadening Participation Working Group

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Charge:

* Can BIO unilaterally do something to address broadening participation?

* What, if anything, should BIO do within its (limited) resources?
Resident population of the United States, by sex and race/ethnicity: 2008

- White women: 33.4%
- White men: 32.2%
- Asian men: 2.1%
- Asian women: 2.2%
- Black men: 5.8%
- Black women: 6.4%
- Hispanic men: 8.0%
- Hispanic women: 7.5%
- Other men: 1.2%
- Other women: 1.2%

NOTE: Hispanic may be any race. Other includes American Indian/Alaska Native, Native Hawaiian/Other Pacific Islander, and multiple race.

Scientists and engineers in science and engineering occupations: 2006

- White men: 55%
- White women: 18%
- Asian men: 12%
- Asian women: 5%
- Black women: 1%
- Black men: 2%
- Hispanic women: 1%
- Hispanic men: 3%
- Other women: 1%
- Other men: 2%

NOTE: Hispanic may be any race. Other includes American Indian/Alaska Native, Native Hawaiian/Other Pacific Islander, and multiple race.

Sources: National Center for Education Statistics, IPEDS Completions and Fall enrollment surveys; Higher Education Research Institute, American Freshman Survey; and U.S. Census Bureau, Current Population Survey.

Milestones by Race/Ethnicity and Gender
(Rounded numbers)

Advanced Degrees in Science and Engineering
Total: 121,000

Bachelor’s Degrees in Science and Engineering
Total: 391,000

First Time Freshmen Interested in Science and Engineering
Total: 647,000

First Time Freshmen
Total: 2,194,000

High School Graduates
Total: 2,017,000

- Minority Men
- Minority Woman
- Non-Minority Men
- Non-Minority Women
Communities To Focus On:

1. K-12 Education
2. Undergraduates
3. Graduates
4. Professionals
5. Principal Investigators
Assessment:

What is considered success?

1. Funding Rates for a Directorate
2. Retention of underrepresented undergraduates or graduates
3. Competitive Proposals from underrepresented groups
4. Bigger pool of applicants within BIO
Training:

1. Institutions
2. Principal Investigators
3. Program Directors
4. Staff
Next Steps: