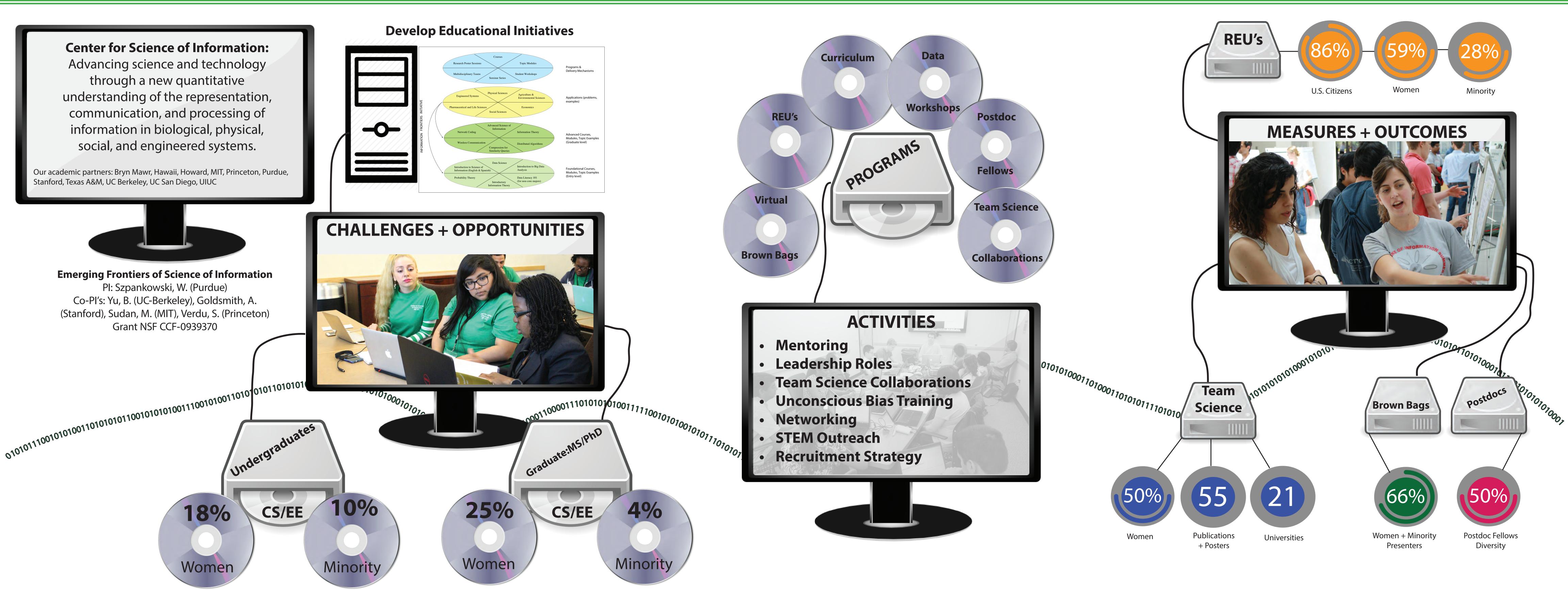




Broadening Participation in the Science of Information

Andronicos, K. (Purdue) and Ladd, B.T. (Purdue)

Center for Science of Information NSF Science & Technology Center http://soihub.org

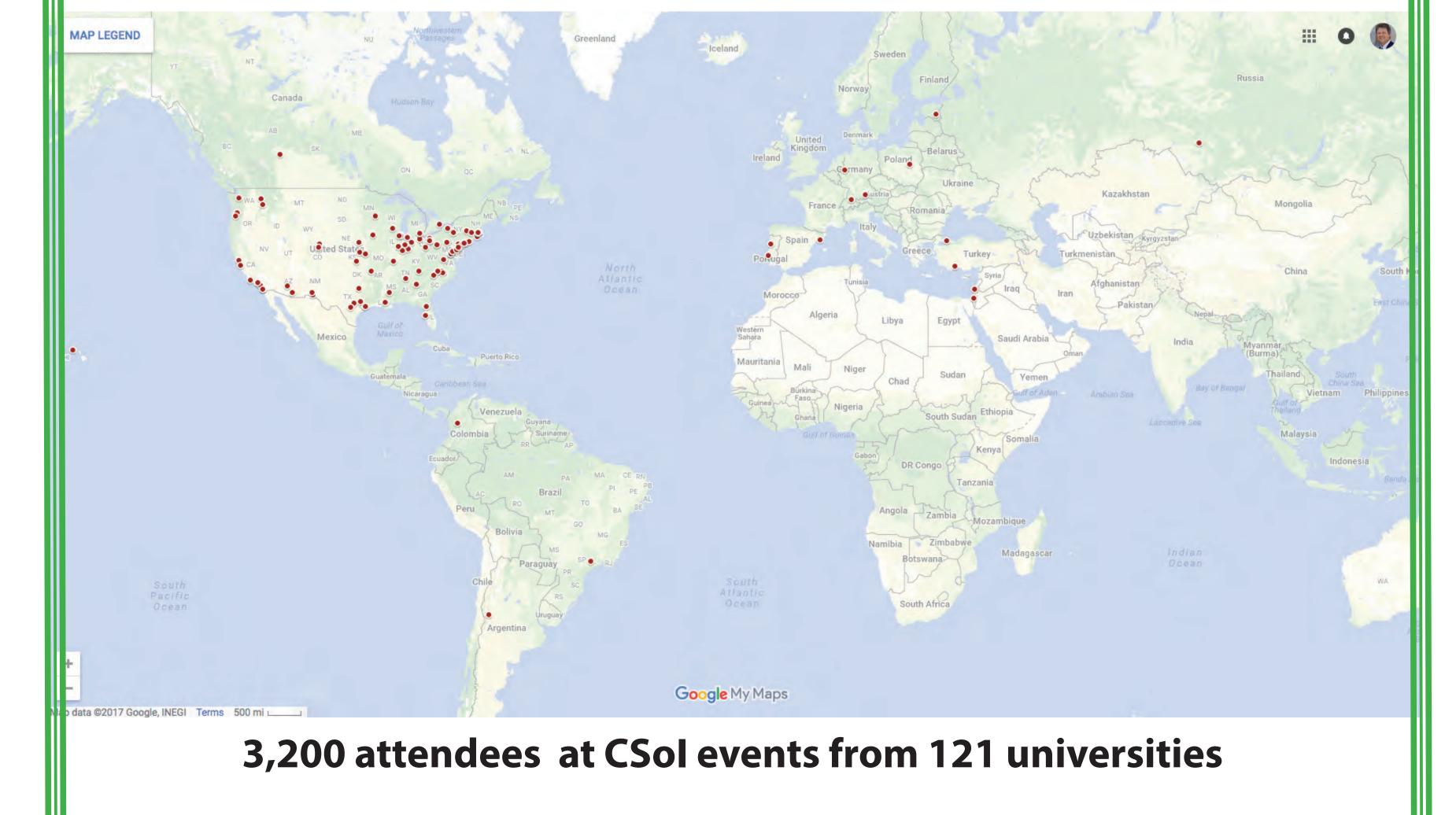


Ten Characteristics of Broadening Participation of our Education and Diversity Programs

SOURCE: NCSES, NSF WMPD REPORT (Women, Minorites, and Persons with Disabilities in Science and Engineering). https://www.nsf.gov/statistics/2017/nsf17310/

- Integrated education and diversity programs
- Broad definition of diversity moving beyond traditional categories
- Promoting leadership roles for underserved participants
- Recruiting participants from diverse range of programs and domains
- Center-wide participation relieving MSI's of full burden for recruitment
- Top down messaging frequent reminders from admin on diversity
- Effective online presence curriculum for all, social media, networking
- "Getting in the habit" training participants to ask the diversity Q
- Conduct annual demographic and diversity census
- Faculty involvement charging with small tasks advancing diversity

BROADER PARTICIPATION - UNIVERSITIES REPRESENTED



Additional Partners

Diversity Resource Office (Purdue)

EAFIT University (Colombia)

Engineering Education Department (Purdue)

IDEA Engineering Student Center (UCSD)

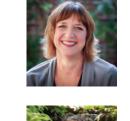
IEEE Information Theory Society

National Alliance for Doctoral Studies in the Mathematical Sciences

Communications

- "Best Practices in Education and Diversity at NSF Science and Technology Centers" (NSF Education and Diversity Directors) 2014 Available on the CSol Website
- "Charting a Course into the Science of Information" (Redington) 2015 Available on the CSol website
- "How to Grow Researchers: A Fresh Perspective on Graduate Student Collaboration" (Redington) 2016 Available on the CSoI website
- "The Underrepresentation of Women in Computing Fields: A Synthesis of Literature Using a Life Course Perspective" IEEE Transactions on Education
- "Using Life Course Theory to Frame Women and Girls' Trajectories Toward (Or Away) from Computing" (Schimpf, Andronicos, & Main) 2015 Frontiers in Education Conference Proceedings

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