

# WBS 2.1.4 Broadening Participation

## Mission Statement

Broadening Participation will engage under-represented minority researchers from domains and institutions that are not traditional users of advanced computing. Our target audience ranges from potential users with no computational experience to computationally savvy researchers, educators, Campus Champions, and administrators that will promote change at their institutions for increased use of advanced digital services for research and teaching.

## Goals, Metrics, KPIs

### Metrics

Metric	Target	Subgoal
Number of new underrepresented individuals (women and racial/ethnic minorities) users	> 250/qtr	Deepen/Extend – Extending use to new communities (§3.1.2)
Number of sustained underrepresented individuals (women and racial/ethnic minorities) users	> 1,750 /yr	Deepen/Extend – Extending use to new communities (§3.1.2)
Number of underrepresented students benefiting from XSEDE resources and services through training, XSEDE projects, or conference attendance	> 650/qtr	Deepen/Extend — Prepare the current and next generation (§3.1.3)
Number of students benefiting from XSEDE resources and services through training, XSEDE projects, or conference attendance	> 2,000 /qtr	Deepen/Extend — Prepare the current and next generation (§3.1.3)

### KPIs

KPI	Target
# of new underrepresented individuals (women and racial/ethnic minorities) users	> 250/qtr
# of sustained underrepresented individuals (women and racial/ethnic minorities) users	> 1,750/yr

## Team Members

Name	Institution	Position	Email
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## Communication & Meetings

Bi-weekly CEE-BP calls are Tuesdays @11:am eastern. Effective 2020, Broadening Participation and Workforce Development is a combined bi-weekly call.

<https://illinois.zoom.us/j/99070731207?pwd=TG5oZG9YeTNDUWd1YkxVYkhPOWFzd09>, Meeting ID: 990 7073 1207, Password: 139324

[Broadening Participation - Workforce Development Call Notes](#)

## New Staff Orientation

1. [XSEDE New Staff Guide](#)
2. [Increasing Diversity in Hiring](#)
3. Professional Development
  - a. Attend XSEDE New User and Successful Allocations Proposal webinars at a minimum annually.
  - b. Attend other XSEDE training webinars as needed.
  - c. Participate in webinars on Inclusion in STEM offered by NSF Includes Coordination Hub, National Academy of Sciences, and others
4. Event Planning Process
  - a. Guide to Organizing Inclusive Scientific Meetings <https://500womenscientists.org/inclusive-scientific-meetings>
  - b. ACM Guide to Organizing Virtual Conferences <https://www.acm.org/virtual-conferences>, [https://people.clarkson.edu/~jmatthew/acm/VirtualConferences\\_GuideToBestPractices\\_CURRENT.pdf](https://people.clarkson.edu/~jmatthew/acm/VirtualConferences_GuideToBestPractices_CURRENT.pdf)
5. Under-Represented Minority, Institution Classifications, and Data Sets
  - a. The Carnegie Classification™ has been the leading framework for recognizing and describing institutional diversity in U.S. higher education for the past four and a half decades. <http://carnegieclassifications.iu.edu/downloads.php>
  - b. Individual look up of institutions - <https://nces.ed.gov/ipeds/datacenter/InstitutionByName.aspx?goToReportId=6>.
  - c. What is an HBCU? <https://sites.ed.gov/whhbcu/one-hundred-and-five-historically-black-colleges-and-universities/>
  - d. Definition of Hispanic-Serving Institutions <https://www2.ed.gov/programs/ideshsi/definition.html>
  - e. Tribal Colleges and Universities Profiles <http://www.aihec.org/who-we-serve/TCUroster-profiles.htm>
  - f. National Center for Education Statistics (NCES) Women, Minorities, and Persons with Disabilities in Science and Engineering 2017 Report <https://nsf.gov/statistics/2017/nsf17310/digest/introduction/>
  - g. National Center for Education Statistics (NCES) Persistence, Retention, and Attainment of 2011–12 First-Time Beginning Postsecondary Students as of Spring 2017 <https://nces.ed.gov/pubs2019/2019401.pdf>
6. Research Reports
  - a. Alumni of Tribal Colleges Better Their Communities, Gallup Poll and American Indian Fund, 2019, [Alumni of Tribal Colleges and Universities Better Their Communities.pdf](#)
  - b. White House Initiative on Historically Black Colleges and Universities 2019 Federal Agencies Priorities Briefing, <https://sites.ed.gov/whhbcu/files/2019/07/Federal-Agency-Priorities-Brief-2019.pdf>
  - c. Increasing Women and Underrepresented Minorities in Computing: The Landscape and What You Can Do, IEEE Computer, 2019, [mco2018100024.pdf](#)
  - d. What Would it Take to overcome the damaging effects of structural racism and ensure a more equitable future, Urban Institute, 2019.05.12\_Next50 structural racism\_finalized (1).pdf
  - e. 2019 Fact Sheet, Hispanic Higher Education and HSIs, Hispanic Association of Colleges and Universities, 2018\_HSI\_FactSheet.pdf
  - f. Playbook on Best Practices: Gender Equality in Tech, 2018\_HSI\_FactSheet.pdf
  - g. Evidence-based Strategies for Improving Equity and Inclusion of Individuals in Underrepresented Racial and Ethnic Groups <https://documentcloud.adobe.com/link/track/?pageNum=1&uri=urn%3Aaad%3Ascds%3AUS%3Ad07c699f-0ee3-4365-8461-732dbc8a4b89#pageNum=1>

## Schedule

When	What	Where	Who
05 Mar 2021	Intro to HPC (Presentation to Class)	Macalester College	Cahill
03/25-3/27/2021	Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI) Symposium 2021 - Machine Learning and Beyond	Virtual	Powell
15 Apr 2021	XSEDE New User Training (Webinar)	University of Central Florida	Alameda, Akli, Mehringer
04/26-04/29/2021	National Summit for Educational Equity	Virtual	Akli, Cahill
05/24-05/27/2021	IEEE RESPECT Conference	Virtual	Akli, Cahill, Gomez
05/27/2021	Introduction to Computational Thinking Across the Curriculum	Virtual	Panoff, Weeden
6/7–6/15/2021	Computational Chemistry for Educators	Virtual	Cahill
6/15-6/16/2021	Introduction to Computational Thinking Across the Curriculum: Modeling with Spreadsheets and Web Resources	Virtual	Panoff, Weeden
6/17/2021	General New User Training	Virtual	Maiden (Mehringer)
6/17-6/18/2021	Advanced Computing for Social Change Curriculum Workshop	Virtual	Akli, Alameda, Cahill, Holly, Nias, Williams
6/21/2021	Intro to XSEDE (Workshop focused on expanding high performance computing opportunities within the consortium of liberal arts colleges in the Midwest)	Virtual	Mehringer
6/22-6/23/2021	Introduction to Computational Thinking Across the Curriculum: Systems Modeling	Virtual	Panoff, Weeden
6/29-6/30/2021 (postposted to October 6 and 13)	Introduction to Computational Thinking Across the Curriculum: Agent-based Modeling (postponed to October 6 and 13)	Virtual	Panoff, Weeden
7/12–7/13/2021	Advanced Computing for Social Change Curriculum Workshop for AUCC	Virtual	Akli, Alameda, Cahill, Holly, Williams
07/17-07/19/2021	HPC in the City Hackathon	Virtual	Holly, Powell
07/19-07/30/2021	International HPC Summer School	Virtual	Alameda
07/18-07/22/2021	PEARC21 - HPC in the City Hackathon	Virtual	Cahill, Powell, Weeden

09/15-09/17/2021	ACM Tapia Celebration of Diversity in Computing	Virtual	TBD
09/27-09/29/2021	vGHC2021	Virtual	TBD
10/6 and 10/13 /2021	Introduction to Computational Thinking Across the Curriculum: Agent-based Modeling	Virtual	Panoff, Weeden
10/28 - 10/30/2021	SACNAS National Conference	Kansas City, MO	TBD
11/14 - 11/19/2021	SC21 - Computing4Change, HPC in the City Hackathon	hybrid, St. Louis, MO	Akli, Fratkin, Gomez, Hunter, Powell

Campus Visits PY10 - None due to COVID related travel restrictions.

[Campus Visits Prior to PY10/PY11](#)

[Conference Participation Prior to PY10/PY11](#)