

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
Linda Akli	SURA	L3 Manger	akli@sura.org
Rosalia Gomez	TACC	Student Programs Lead	rosie@tacc.utexas.edu
Sue Fratkin	TACC	ACSC Public Policy Fellow	sfratkin8@gmail.com
John Holly	SURA	Exhibiting, Training & Workshop Event Coordinator	jholly@sura.org
Dawn Hunter	TACC	ACSC Lead	dhunter@tacc.utexas.edu
Je'aime Powell	TACC	Hackathon Lead	jpowell@tacc.utexas.edu
Jaye Nias	SURA	ACSC Data Science Fellow	jnias@spelman.edu

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
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%3Aaaid%3Aascds%3AUS%3Ad07c699f-0ee3-4365-8461-732dbc8a4b89#pageNum=1>

Schedule

When	What	Where	Who
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
12/18/2021	Advanced Computing for Social Change Community Development Orientation	Virtual	Aki, Cahill, Holly, Nias
1/15/2022	Advanced Computing for Social Change Community Development Workshop #1	Virtual	Akli, Cahill, Holly, Nias
2/26/2022	Advanced Computing for Social Change Community Development Workshop #2	Virtual	Akli, Cahill, Holly, Nias
3/26/2022	Advanced Computing for Social Change Community Development Workshop #3	Virtual	Akli, Cahill, Holly, Nias
3/21 - 3/25/2022	Advanced Computing for Social Change - Pacific	Virtual	Akli, Fratkin, Gomez, Holly, Hunter et al
3/24/ - 3/27/2022	Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI) Symposium 2022- High Performance Computing and Gateways	Virtual	Holly, Powell
3/31 - 4/4/2022	ADMI Hackathon	Virtual	Holly, Powell
4/11/2022	University of California Santa Barbara Black Studies Data Science with XSEDE seminar	Virtual	Akli
4/12/2022	U of Cincinnati Data Day Power Session: ACSC Curriculum Workshop	Virtual	Cahill
4/23/2022	Advanced Computing for Social Change Community Development Workshop #4	Virtual	Akli, Cahill, Holly, Nias
5/17/2022	R for Data Analysis	Virtual	Cahill, Ouma,
5/16 - 5/20/2022	Advanced Computing for Social Change - East	Washington, DC	Akli, Fratkin, Gomez, Holly, Hunter et al
5/26 - 5/27/2022	Conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT)	Virtual	Akli, Cahill, Nias
5/21/2022	Advanced Computing for Social Change Community Development Workshop #5	Virtual	Akli, Cahill, Holly, Nias
6/3/2022	Advanced Computing for Social Change Faculty Workshop	Virtual	Akli, Cahill

6/13 - 21 /2022	Computational Chemistry for Educators	Virtual	Cahill
7/10 - 7/14 /2022	PEARC22 - Hackathon	Boston	Holly, Powell

Campus Visits PY11 - To be determined. Virtual until pandemic conditions and travel restrictions change.

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

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

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