



AAU PhD Education Initiative

Knowledge of Multi-Institutional and Professional Society Efforts as of 10/18/2018

The table below is a matrix of multi-institutional and professional society PhD career outcome projects compiled by AAU. It is a work in progress and indicates the efforts we are aware of at present. This is a living document. AAU will continue to update this matrix as we refine our knowledge about these efforts and become aware of additional projects.

Project	Description	Participating Institutions	Methodology	Primary Contact(s)
Alliances for Graduate Education and the Professorate (AGEP)	AGEP is a network of universities dedicated to increasing the number of underrepresented minorities obtaining graduate degrees in science, technology, engineering and mathematics. It is sponsored by the NSF.	To see a list of AGEP programs, visit www.agep.us .		
American Historical Association (AHA) Career Diversity for Historians	In 2014, the Mellon Foundation awarded the AHA a grant to launch the initiative, which supports an exploration of the culture and practice of doctoral education in history. Several key	Pilot programs at Columbia University; the UCLA; the University of Chicago; and the University of New Mexico devised new		Emily Swafford, Manager of Academic Affairs, American Historical Association eswafford@historians.org

<p><u>Initiative</u></p>	<p>resources for students and faculty were created and pilot programs were launched. Website link</p>	<p>courses and programming. Also, ten departmental grant recipients worked to implement programming aimed at career preparation for graduate students.</p>		
<p>Association of American Universities Data Exchange (AAUDE) & AAU Association of Graduate School (AGS) Deans</p>	<p>Working teams that are focused on refining three data exchange items on PhD education and the PhD exit survey.</p>	<p>AAU membership</p>	<p>Three exchange items: 1. PhD Time-to-degree 2. PhD Degree completion rate 3. PhD exit survey</p> <p>New metric: 4. PhD career outcomes</p>	<p>Corresponding sub-committee leads: 1. Sandra Hannon (Kansas) 2. Lisa Van Dyke (Ohio State) 3. Jon Daries (MIT) 4. William Greenland (U of Chicago) greenland@uchicago.edu</p> <p>Working Group Co-chairs: Mardy Eimers (Missouri) Maggie Kearney (Rochester)</p>

Broadening Experiences in Scientific Training (BEST) Consortium Committee	Working group that developed a taxonomy to collect consortium-wide career outcomes.	Boston University School of Medicine, Emory University and Georgia Tech, NYU School of Medicine, UC Davis, UCSF, CU-Denver Anschutz Medical Campus, UNC-CH, Vanderbilt School of Medicine, Wayne State, Cornell, Michigan State, UC Irvine, U of Chicago, U Mass Medical School, U of Rochester, Virginia Polytech	Developed an original taxonomy of career outcomes.	Abby Stayart, Program Director, myChicago Options in Career Empowerment, University of Chicago, cstayart@bsd.uchicago.edu Cynthia Fuhrmann, Assistant Dean of Career & Professional Development, cynthia.fuhrmann@umassmed.edu
Big Ten Academic Alliance	Public research universities working on a PhD career outcomes data project.			
Center for the Integration of Research, Teaching and Learning (CIRTL)	CIRTL uses graduate education and post-doctoral preparation as the leverage point to develop a national STEM faculty with the capability and commitment to implement and improve effective teaching practices for the learning of all students.	A list of the 40 major research institutions participating can be found here .	In 2005 CIRTL initiated a longitudinal study of 83 future faculty (Benbow, Byrd & Connolly 2011; see also Connolly et al. 2016)	Bob Mathieu, Professor of Astronomy and Co-PI of CIRTL, University of Wisconsin-Madison, mathieu@astro.wisc.edu Ann Austin, Professor of Higher, Adult, and

				Lifelong Education, Michigan State University, aaustin@msu.edu
Coalition for Next Generation Life Science	A group of nine universities, and the Fred Hutchinson Cancer Research Center, convened by The Johns Hopkins University President Ron Daniels to examine PhD and post-doc career outcomes in the life sciences. The first milestone for publication of data was on February 1, 2018.	MIT, University of Michigan, University of Pennsylvania, Cornell University, Johns Hopkins University, University of Wisconsin, University of Maryland Baltimore County, Duke University, University of California, San Francisco, Fred Hutch	Using the taxonomy developed within the BEST Consortium that was modified by RBR.	Peter Espenshade, Associate Dean for Graduate Biomedical Education at The Johns Hopkins University, peter.espenshade@jhmi.edu Coalition Team Members
Council of Graduate Schools (CGS) PhD Career Pathways Project	With support from the National Science Foundation (NSF #1661272) and The Andrew W. Mellon Foundation, CGS has launched a project to help universities collect data on the career pathways of STEM and humanities PhDs. Twenty-nine doctoral institutions have been selected for sub-awards from CGS to gather information about the professional aspirations, career pathways, and career	The list of the 29 participating institutions can be found here .	Universities will administer a CGS developed PhD student survey and PhD alumni survey. CGS serves as the central repository for the data collected, providing institutions with data resources and reporting	Julia Kent, Vice President, Best Practices and Strategic Initiatives, Council of Graduate Schools, jkent@cgs.nche.edu

	preparation of their PhD students and alumni.		on aggregate analysis.	
Institute for Research on Innovation and Science (IRIS) Pilot Project on Career Outcomes	A pilot project IRIS is conducting in collaboration with the U.S. Census Bureau and the Universities of California, Michigan and Texas to effectively link, rigorously analyze, and responsibly share data on undergraduate and graduate student career outcomes that are derived from a variety of restricted administrative records.	The Universities of California, Michigan and Texas		Jason Owen-Smith, Executive Director, Institute for Research on Innovation and Science, University of Michigan, idos@umich.edu
Ivy+ PhD Program Data	Lead by Yale's Provost Ben Polak, the Ivy+ intends to enable prospective students to make informed choices in applying to a doctoral program by providing public, comparable data on key factors (admission, program completion, PhD placement measures) for each doctoral program.	Brown, Caltech, Columbia, Cornell, Dartmouth, Duke, Harvard, Johns Hopkins, MIT, Princeton, Stanford, UC Berkeley, U of Chicago, U Penn, Yale	Using AAUDE data definitions where possible.	Tim Pavlis, Associate Vice President for Strategic Analysis and Institutional Research, Yale University, timothy.pavlis@yale.edu
Modern Language Association Connected	In 2015, with support from the Mellon Foundation, the MLA began working with three pilot programs, as well as locally in	Arizona State University; Georgetown University; the UC Humanities Research Institute; the		Stacy Hartman, project manager of Connected Academics, shartman@mla.org

<p>Academics: Preparing Doctoral Students of Language and Literature for a Variety of Careers</p>	<p>New York City, on initiatives to broaden the training of language and literature PhDs and create more supportive departmental cultures around issues of career diversity.</p>	<p>Modern Language Association.</p>		
<p>NSF Survey of Earned Doctorates</p>	<p>The Survey of Earned Doctorates (SED) is an annual census conducted since 1957 of all individuals receiving a research doctorate from an accredited U.S. institution in a given academic year.</p>		<p>The survey collects information on educational history, demographic characteristics, and postgraduation plans.</p>	<p>Emilda Rivers, Deputy Division Director, National Center for Science and Engineering Statistics, erivers@nsf.gov</p>
<p>NORC at The University of Chicago Progress and Pitfalls in Monitoring Doctoral Degree Holders' Career Paths</p>	<p>NORC at the University of Chicago has been awarded an NSF grant to support a spring 2019 conference and related preparatory work focused on how universities and their doctoral programs can collect and utilize data on research recipients' career pathways. The objective of the project is to help develop widely shared standards for the kinds of career outcomes that should be measured, the methods for collecting the data, and the ways in which the data</p>	<p>The conference will convene a group of 40 graduate deans, university leaders, and research experts to discuss the issues and advance the development of "aspirational standards" for collecting and reporting data on doctoral career pathways.</p>	<p>The grant supports 4 main activities: a web-based national survey of graduate deans in fall 2018 that collects data on current practices of monitoring graduates' careers, a set of focus groups of graduate deans in December 2018, a one-and-a-half-day conference in May 2019, and a</p>	<p>NORC Principal Investigators:</p> <p>Tom Hoffer hoffer-tom@norc.org</p> <p>Debra Stewart stewart-debra@norc.org</p> <p>Norman Bradburn bradburn-norman@norc.org</p>

	should be analyzed, and the findings disseminated to stakeholder groups.		multipronged dissemination of project results.	
Project led by Jessica and Rob Liebowitz, Brandeis University, “What is an Academic Job?”	The goal of the project is to assemble longitudinal data showing changes in the types of jobs in higher education over the past decade. This data will be combined with real-time analysis of all current job offerings within the higher education sector.		Integrates big data sets of all job postings in the US with data from government sources, such as the Census Bureau or the Bureau of Labor Statistics (BLS), in order to track employment of completed PhDs	Jessica Liebowitz, Visiting Scholar, Brandeis University, jkl@brandeis.edu
Rescuing Biomedical Research (RBR) Working Group	The RBR working group, Improving Transparency in PhD Career Trajectories , is encouraging universities to collect and publish data on the career outcomes of their PhD alumni. RBR aims to define a set of data collection and presentation methods by finding consensus with institutions that have already carried out such projects.	19 individuals are on the steering committee	Modified the taxonomy developed by the BEST Consortium.	Chris Pickett, Director, Rescuing Biomedical Research, clp3@princeton.edu

SREB-State Doctoral Scholars Program	The SREB Doctoral Scholars Program, established in 1993, is a national leader among programs that produce minority PhDs. Program services are designed to help prepare graduates to become successful college and university faculty members.	Program participation has expanded beyond the original 16 SREB states to include individual institutional partners both in and outside the SREB region.		Ansley Abraham, Director, SREB-State Doctoral Scholars Program, Southern Regional Education Board, ansley.abraham@sreb.org
TRaCE Project at McGill University	The purpose of the project is: (1) to track PhDs who have graduated in the humanities; (2) to report on where they are, and on what they have achieved; (3) to connect them with each other and with faculty and students inside the academy; and (4) to sponsor exchanges of knowledge and knowhow among PhD students, faculty members, other PhDs. TRaCE has tracked eleven cohorts of PhD graduates (2004-2015) .	The TRaCE project is a collaboration of 24 Canadian universities, the Canadian Association for Graduate Studies , the Federation for the Humanities and Social Sciences , the Higher Education Quality Council of Ontario , and the Jackman Humanities Institute at the University of Toronto . Currently, TRaCE 2.0 is headquartered at the at the Graduate and Postdoctoral Studies at McGill University .	Developed and tested a new design and methodology for data gathering and knowledge creation about the humanities PhD.	Paul Yachnin, Principal Investigator, Project Director and Tomlinson Professor of Shakespeare, Department of English Literature, McGill University, paul.yachnin@mcgill.ca