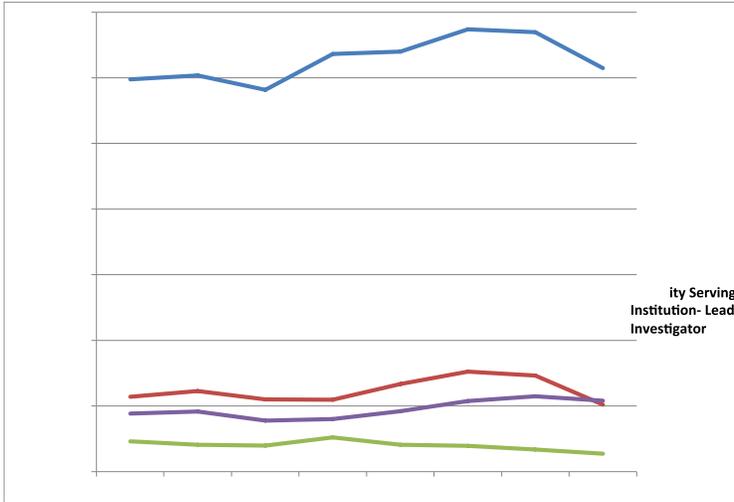


BIO Broadening Participation Task Team Division of Environmental Biology (DEB) Summary

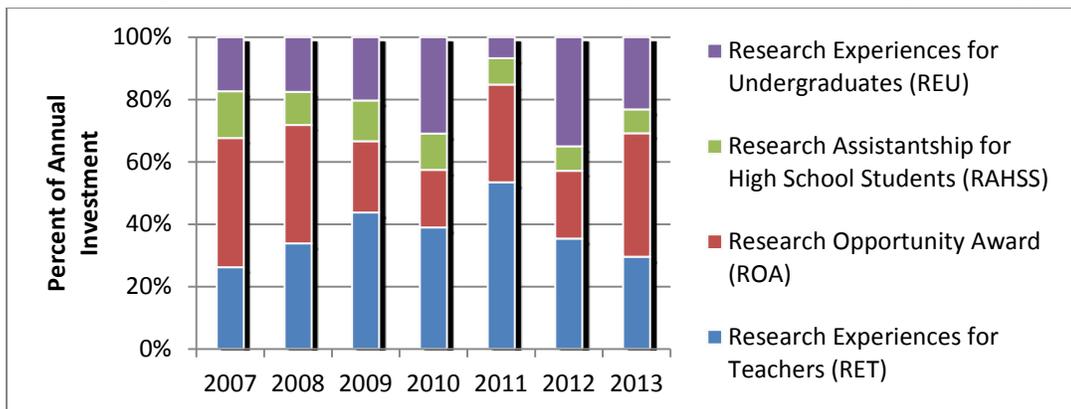
1. DEB's analyses of participation of groups of interest relevant to BP in BIO

- Annual Reports include submission and success rates in each cluster



Synthesis of 2006-2013 data on submission rates shows little long-term change across the division.

- Ad hoc analyses by program officers, analysts, AAAS fellows, interns, or science advisor
 - Broader impacts in random sample of 280 DEB awards (used 2012 COV set): broadening participation addressed least. Watts, S.M. et al. 2013. Broader Impacts from an inside perspective. *Frontiers in Ecol and Environ* 11: 233-234. Watts et al. submitted. Achieving Broader Impacts in the Division of Environmental Biology. *BioScience*.
 - BIO-wide funding patterns for women and minorities (2003-2013) with long-term trends comparing data to Sakai and Lane 1996 *BioScience* 46: 621-625: females funded in similar proportions to submissions, request smaller budgets than males. Rissler, L. et al. in prep.
 - 2013 DEB Brief blog post summarizing data on gender, etc. in relation to preproposal. (<http://nsfdeb.wordpress.com/2013/12/30/deb-numbers-fy2013-wrap-up/-more-604>)
 - Panelist demographics: Of 500 panelists who served DEB this year, the Reviewer profile for Race or National Origin was blank or unknown for 486 people.
 - Track supplements in Catalytic Reserve: high dollar investment in teachers and researchers, more undergraduates served (individual counts possible via annual reports only).



2. DEB's amount and types of usage of set-aside funds for BP in FY 2014

- **\$1.08 M** reserved investment for broadening participation in FY 2014 Catalytic Reserve.
 - **\$152,000 Workshop Award:** #1447326, KnowInnovation. "What Works?" Online community to enhance networking and disseminate best practices, and workshop.
 - **\$928,000 Supplements:** Each request is the sum of the award and an incentive (\$6,500 for RAHSS and REU to \$11,500 for ROA) that the cluster may spend at its discretion.
- **\$102,864** invested in 6 **REU-BP** supplements: supported 10 students and their mentors at MSIs and primarily undergraduate institutions to work with DEB principle investigators.

3. DEB's ongoing engagement activities for BP with organizations outside of NSF

- **Ecological Society of America (ESA)** #1261389 - **\$183,158**, #1139976 - **\$60,000**, #0749365 - **\$400,000**, DBI #0305155 - **\$58,800**
 - 524 undergraduates supported via research fellowships, field trips, leadership and annual meetings. Partnered with Long Term Ecological Research sites. Recognized by awards.
 - Survey of 2002-2013 participants: Of 161 alumni responding (majority 39% Hispanic or 22% African American), 32% have earned MS, 5% earned PhD.
- **Society of Wetland Scientists** #1127930 - **\$74,800**, #0749365 - **\$58,800**, DBI #0303656 - **\$42,000**
 - 90 undergraduates mentored at annual meetings over 11 years. Partnered with ESA. 3 students won poster awards, 2 awarded graduate school fellowships.
 - Follow-up surveys planned at 4-year intervals: 70% have earned Bachelor's degree, remainder still undergraduates. 45% currently in or completed graduate program.
- **Botanical Society of America** #1137471 - **\$99,850**, #0227696 - **\$59,955**
 - 37 undergraduates mentored at annual meetings in 3 years. 6 recipients won society awards. 6 have graduate research fellowships.
 - 73% have earned Bachelor's degree, 77% of those in graduate programs (15 doctoral, 6 masters). 4 have jobs in ecology or plant sciences.
- **Society for the Study of Evolution / Society for Systematic Biologists** #0826811 - **\$67,500**, DBI #0431754 - **\$47,000**, DEB #0227714 - **\$60,000**
 - 200 undergraduates mentored at annual meetings since 2001. Partnered with National Evolutionary Synthesis Center, which funded 2014 activities. Survey planned.
- **Ongoing conversations with stakeholders, e.g.,**
 - Advisory Committee Environmental Research and Education, David Blockstein
 - National Evolutionary Synthesis Center, Jory Weintraub

4. DEB's proposed activities for FY 2015

- Continue 2014 requirement that each of our 22 Program Officers recruit ≥ 1 MSI panelist per yr.
- *What Work's* Workshop described above, sustain online networking.
- Increase accessibility at meetings and strategic outreach; Raise awareness via blog, brochure.
- Consolidate Dimensions REU-BP supplement investment in Catalytic Reserve.
- Reconstitute DEB BP Working Group, seek cluster input and funds for BP program.