

NOAA Education

Briefing for National Association of Marine Labs

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2019 NOAA-wide Education Accomplishments

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- **4,060 postsecondary students** were trained through NOAA-funded higher education programs
- **861 postsecondary degrees** were awarded to NOAA-supported students in higher education programs
- **35,000 educators** participated in NOAA-supported professional development programs
- **489,000 P-12 students** participated in NOAA-supported formal education programs

2019 NOAA-wide Education Accomplishments

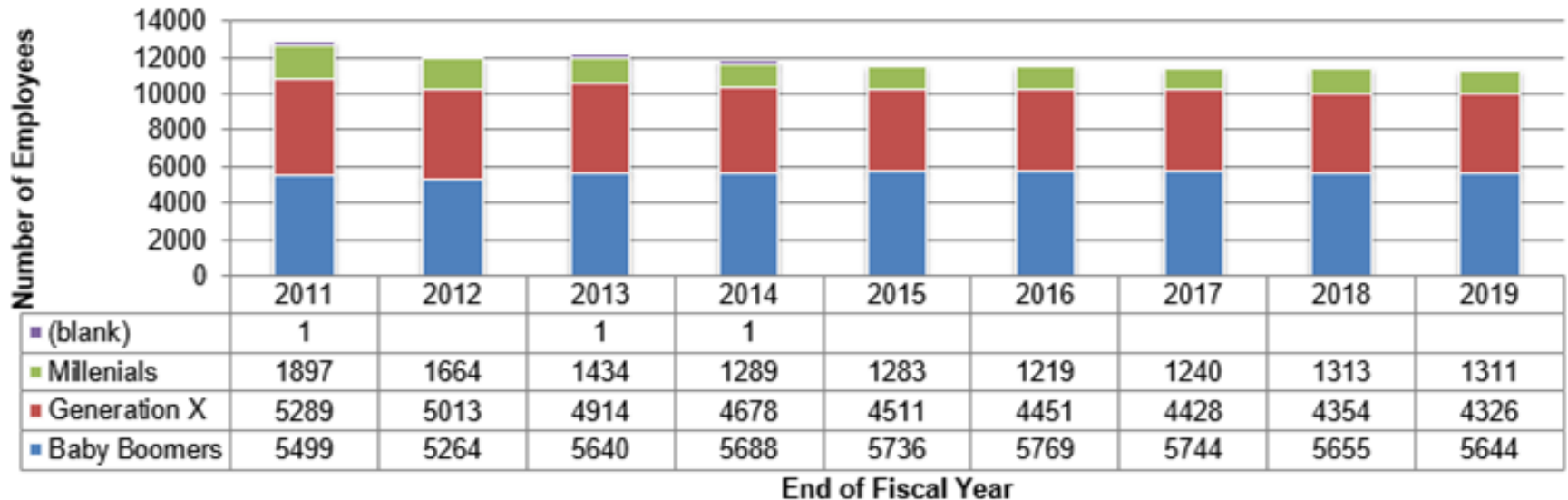
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- **61.4 million people** visited informal education institutions hosting NOAA-supported exhibits or programs
- **483 institutions** increased educational capacity through NOAA-funded centers, exhibits, or programs
- **2.7 million youth and adults** participated in NOAA-supported informal education programs
- **33.4 million visits** were made to NOAA Education websites that host valuable activities and information

NOAA Employee Profile

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Age Profile



New Opportunity

Conservation Corps Act Direct Hire Authority



- Conservation Service Corps Act of 2019 allows NOAA to direct hire interns up to two years after earning undergraduate or graduate degrees
- Eligible internship programs:
 - José E. Serrano Educational Partnership Program
 - Ernest F. Hollings Undergraduate Scholarship
 - Internships in Marine Geography
 - John A. Knauss Marine Policy Fellowship
 - [Margaret A. Davidson Graduate Fellowship](#) New!
 - The William M. Lapenta NWS Internship Program
 - NMFS – Sea Grant Population Dynamics Fellowship Program
 - Woods Hole Partnership Education Program

Educational Partnership Program w/Minority Serving Institutions

- Supports 4 cooperative science centers and undergraduate scholarships
- 19% of students from NAML institutions (66 out of 351)
- Top Schools: University of Texas, Rio Grand Valley (19); California State University, Monterey Bay (12); Texas A&M University-Corpus Christi (10); University of Maryland (8); Savannah State University (7); University of Miami (5); Oregon State University (3), University of California, Santa Cruz (1)



Ernest F. Hollings Undergraduate Scholarship



- Two year undergraduate scholarship for rising juniors in NOAA mission fields
- 48% of students from NAML institutions (185 out of 385 students, 2017 - 2019)
- Top Source Schools: U. Miami (25), Eckerd (23), U. South Carolina (14), U. Maryland (13); U. North Carolina, Wilmington (9), Western Washington University (8)



Bay Watershed Education and Training



- B-WET provides grants to increase understanding and stewardship of local watersheds through multi-stage activities performed both outdoors and in the classroom
- Since 2002, 60 awards to 23 unique NAML institutions totaling \$8M
- Grant recipients include:
 - Gulf Coast Research Laboratory
 - Chesapeake Biological Laboratory



Environmental Literacy Program



- Provides grants and in-kind support to improve ecosystem stewardship and increase resilience to environmental hazards through education
- Awarded over \$75 million since 2005
- 2019:
 - Provided support for 157 institutions serving 50 million visitors
 - Northeastern University Marine Science Center current partner on two resilience grants



Citizen Science, Civics, and Resilient Communities

Citizen Science Community of Practice



- NOAA supports a broad range of citizen science projects
- 49 NOAA projects listed in federal catalog
- NOAA citizen science has generated more than half a million volunteer hours
- Citizen science established as a NOAA Strategic Priority
- April 22-24 NOAA citizen science workshop - now virtual



New Opportunity

NSF Graduate Research Internship Program



- NSF-NOAA agreement allows NSF Graduate Research Fellows to conduct internships at NOAA
 - 6,500 active Graduate Research Fellows, including @1,000 in NOAA mission fields
 - Awards to 1st and 2nd year PhD students
 - Fellows have 3 years of support at \$34000/year and \$5k for travel or research costs for internships
 - Internships can be 8 weeks to 12 months in duration
 - NOAA has hosted 16 GRIP recipients NMFS (15) NWS (1)



NOAA Education Budget Update



	FY19	FY20	FY21 PresBud
Education Program Base	5.0	5.3	1.1
Environmental Literacy Program			
B-WET Regional Program	7.5	7.75	0.0
Educational Partnership Program	15.5	17.2	0.0
Total Appropriation	28.0	30.2	0.0
Hollings Scholarship Program*	5.9	5.4	4.6
Total funding	33.9	35.6	5.5

** Hollings Scholar Program funded as one tenth of one percent of the total NOAA appropriation*

How can NAML help?



- Continue connecting your students to NOAA opportunities
- Look for opportunities for alumni to work at NOAA
- Connect with NSF GRIP students and NOAA
- Continue support for NOAA education and ocean literacy



How can NOAA Education help NAML?

