



# **NOAA Office of Education Educational Partnership Program**

## **Graduate Sciences Program An Overview**

October 2011



# NOAA's Major Education Programs



- Educational Partnership Program (OEd)
  - Provides financial assistance to minority serving academic institutions to support collaborative research & education.
  - Five Cooperative Science Centers have been established at MSIs:
    - Howard University – Atmospheric Science Center
    - Florida A&M University – Environmental Science Center
    - University of Maryland, Eastern Shore – Living Marine Resources Science Center
    - City College of the City University of New York – Center for Remote Sensing Science and Technology
    - North Carolina A&T State University – Interdisciplinary Scientific Environmental Technology Center
- Student Scholarship Programs



# NOAA Can Better Meet Its Mission...

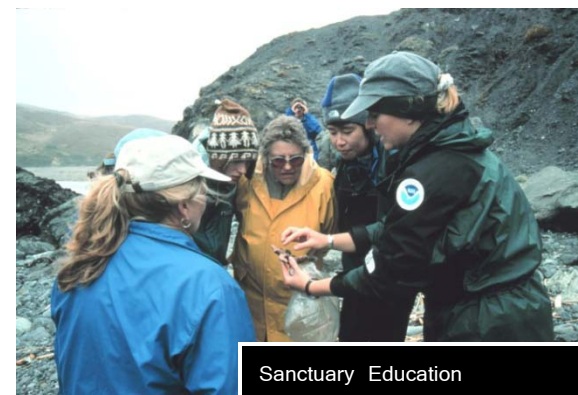
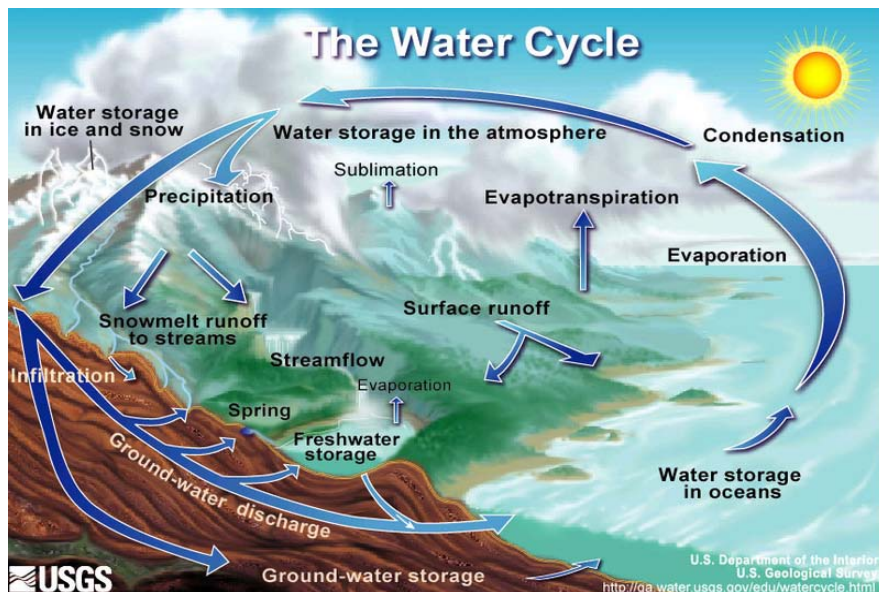


If our students are taught:

- To protect our environmental resources
- To be ambassadors of science literacy



Student Indicates Detailed Mapped Areas



Sanctuary Education



# NOAA Can Better Meet Its Mission...

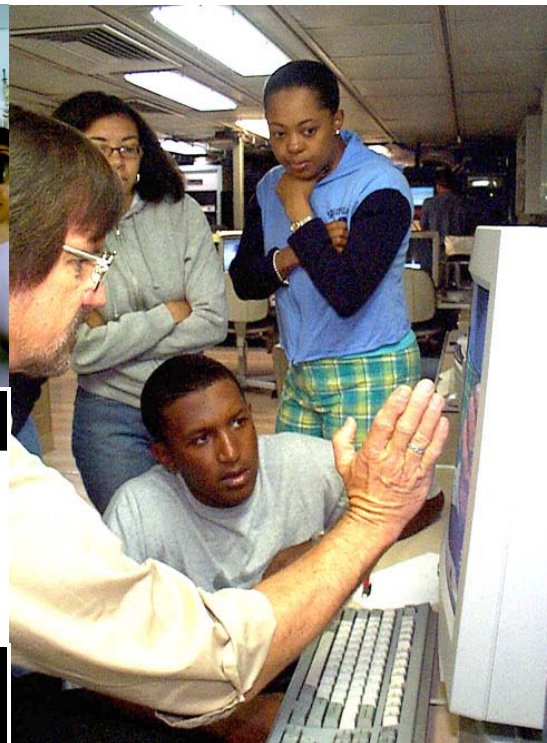


## If our future scientists are trained:

- In NOAA-related research and scientific activities
- And graduate with advanced degrees



Students Plotting Buoy Positions



Students Learning Mapping Techniques



Student Taking CTD Water Samples



# NOAA Office of Education Graduate Sciences Program



## Graduate Program

- Graduate Sciences Program
  - Tuition assistance
  - Books & Fees
  - Room & Board
  - Employment after graduation

## Eligibility Requirements

- U.S. citizenship
- Pursuing a graduate degree in a STEM field relevant to NOAA's mission
- Have and maintain a 3.0 grade point average
- Full-time student at the time of application and throughout the duration of the program



<http://www.epp.noaa.gov>



# Student Scholarship Programs



## Graduate Sciences Program



**Marco  
Vargas  
(2006)**

- Specifically designed to recruit and provide graduate level training to qualified women and minority candidates in NOAA-related sciences
- Individuals are trained in a pre-determined course of study to meet the specificity of NOAA's scientific occupations
- Mentorships are established between students and NOAA staff to strengthen collaborative research in NOAA's mission related areas
- **Application period:** Annually from September thru January
- NOAA selects five student trainees annually



**Michael  
Edwards (2004)**



**Martin Yapur (2002)**



# Graduate Sciences Program



- **Eligibility**
  - U.S. citizenship
  - Individuals accepted into a graduate program
  - Pursuing a graduate degree in a NOAA mission related scientific field
  - 3.0 grade point average
  - Full-time student at the time of application
- **Benefits**
  - Total yearly support includes full tuition, \$3,000 meal allowance, reimbursement of housing, fees, books, travel to conferences to present their research, at least 640 hours of paid career work experience each year, miscellaneous expenses, etc.
  - Master's Students: Maximum of 2 years
  - Doctoral Students: Maximum of 4 years
  - Permanent full-time position upon completion of academic degree requirements (~\$48K to \$58K)
  - Locality pay based on your geographic location



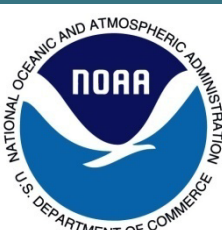
# Making a Difference



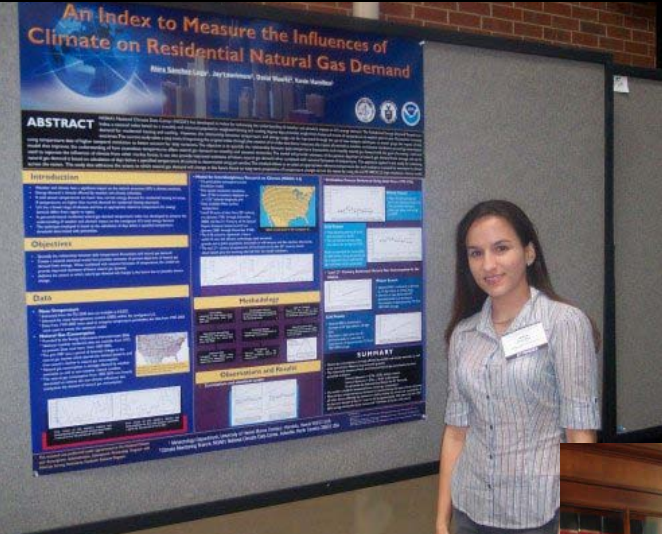
• 1<sup>st</sup> PhD class in Atmospheric Sciences, Howard University, May 2006



# Graduate Scientists at Work in NOAA



Ahira Sanchez-Lugo, MS, at EPP Forum 2006



April Croxton, PhD, analyzing oyster samples



Trika Gerard, PhD, performing micromill analysis



DaNa Carlis, PhD, on Hurricane Hunter



Martin Yapur, MS, and Michael Edwards, MS, with Congressman Serrano



Marian Westley, PhD, uploading gear on RV Knorr in the Black Sea



# Graduate Sciences Program



**NOAA has hired 57 Graduate Scientists into their workforce to date.**

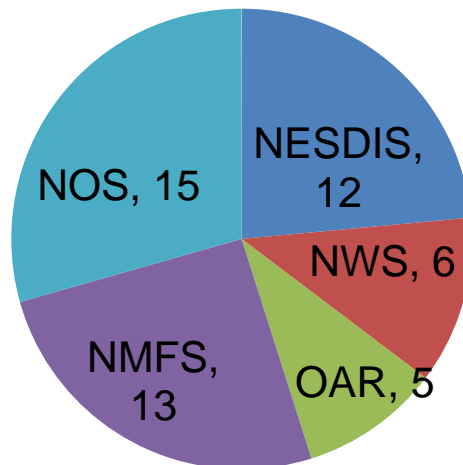
Line Office	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	Total
NESDIS	2	2	1	2	1	1	1	0	0	2	0	12
NWS	1	0	1	0	1	0	1	1	0	1	2	8
OAR	1	1	1	0	1	0	0	0	0	1	0	5
NMFS	0	2	1	1	1	0	2	3	1	2	2	15
NOS	1	1	1	0	1	1	2	3	2	3	1	16
PPI	0	0	0	0	0	0	0	0	0	0	1	1
<b>TOTAL</b>												
	<b>5</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>9</b>	<b>6</b>	<b>57</b>



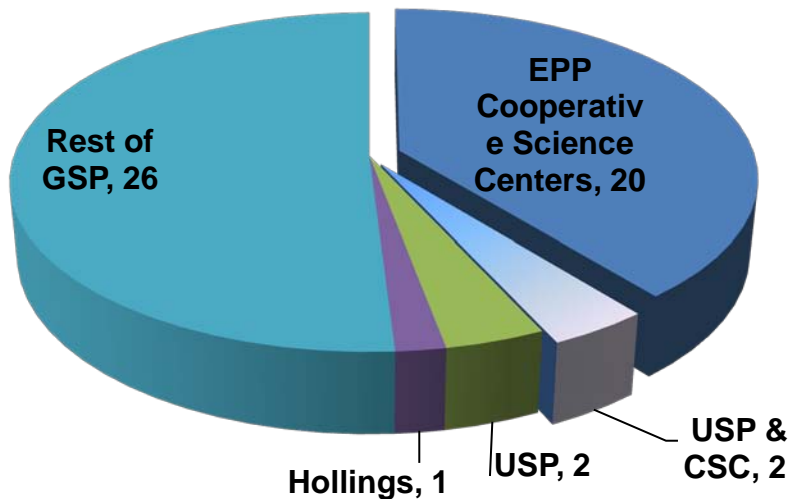
# Graduate Sciences Program 2000-2009



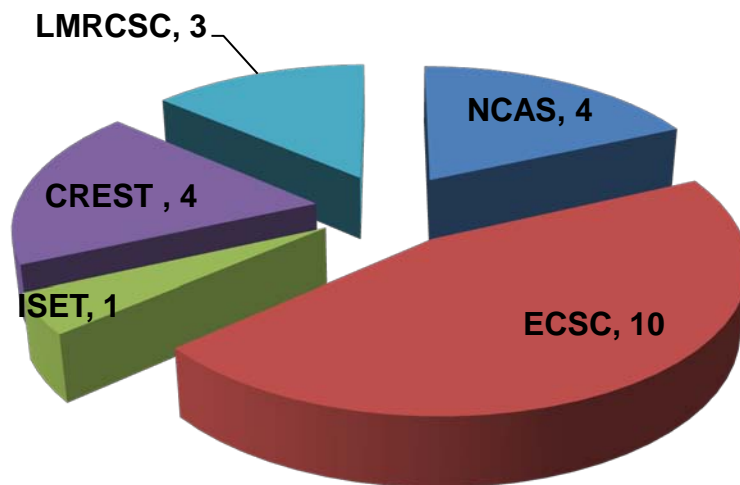
**GSP Placements By Line Office (51 Total)**



**Student Pipeline to the GSP**



**EPP Cooperative Science Center GSPs**







# For additional information:



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