



The Journey from NOAA Student Programs to the NOAA Workforce

2023 NOAA CoRP Science Symposium, CIMSS

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OAR/GLERL
NOAA Ambassador

Alisa Young, PhD



Weather and Climate Portfolio Lead at OAR/Great Lakes Environmental Research Lab (GLERL), identify new areas of research, improve R2O, support the advancement of great lake regional climate modeling and weather forecasting.



Background:

- *Atmospheric Scientist, w/18 years of service @ NOAA*

Roles in NOAA

- *Began working @ NOAA in 2005, via NOAA's Graduate Sciences Program (GSP) under the Office of Education.*
- *Doctoral Thesis Research: Characterizing Tropical Overshooting Deep Convection using Passive and Active Satellite Remote Sensing.*

Research Interests/Expertise: Program Management and Science Support, Satellite Remote Sensing of Deep Convective Clouds, Strat-Trop Exchange (WV), GHG Monitoring and Satellite Product Development (R2O), Satellite instrument Intercalibration, developing climate quality products from satellite data, and characterizing ecosystem impacts of MHW in the Great Lakes

Offices

- *NESDIS (NCEI, GOES-R/OSPO, JPSS/STAR)*
- *OAR (GLERL)*

My Academic Journey

Talladega College Undergraduate - BA Physics



First Exposure to Earth Science as a Career Choice

UAH - MS Atmospheric Science



UAB - Physics (Grad)



Georgia Institute of Technology

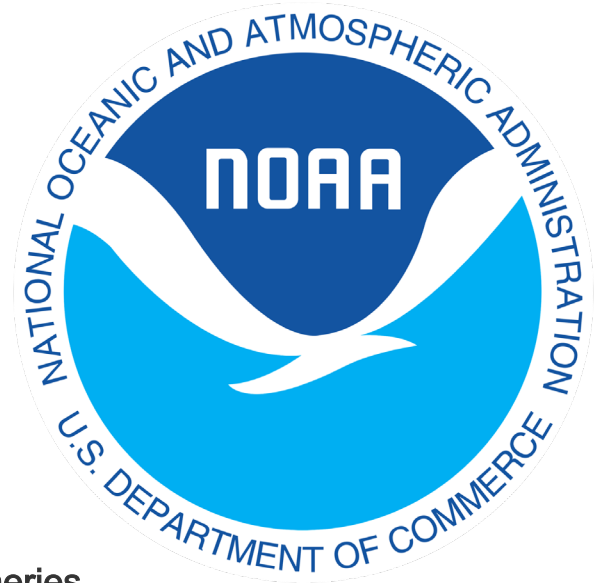
GT - Phd Earth and Atmospheric Science



TALLADEGA COLLEGE
ALABAMA'S OLDEST (PRIVATE) HISTORICALLY BLACK
LIBERAL ARTS COLLEGE • FOUNDED IN 1867

Exploring the World of NOAA

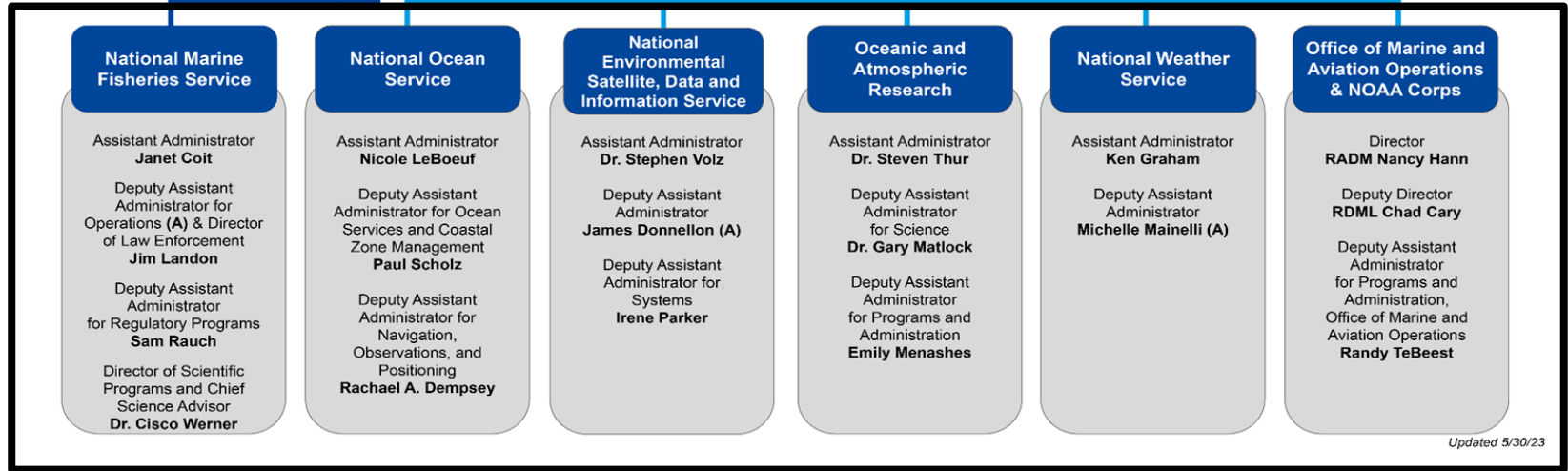
NOAA is an agency that enriches life through science. Our reach goes from the surface of the sun to the depths of the ocean floor as we work to keep the public informed of the changing environment around them.



NOAA holds key leadership roles in shaping international ocean, fisheries, climate, space and weather policies. NOAA's many assets — including research programs, vessels, satellites, science centers, laboratories and a vast pool of distinguished scientists and experts — are essential, internationally recognized resources.

NOAA has 12K+ employees and at least 30% are retirement eligible.

NOAA Line Offices



Mission Areas: Weather AND Climate , Oceans and Coasts, Fisheries, Satellites, Research, Marine and Aviation, Charting, Sanctuaries, Ecosystem Science

Mission Critical Job Series: Meteorologists, Fishery Biologists, Information Technologists, Physical Scientists, and Biological Scientists, Engineers, Hydrologists, Computer Scientists. Communications Specialist, Budget Analyst, Program Managers, Social Scientists, and Contracts and Grants Specialists, and more



NOAA Line Office Priorities:

NOAA Mission: To understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs

NOAA Vision: An informed society that uses a comprehensive understanding of the role of the oceans, coasts, and atmosphere in the global ecosystem to make the best social and economic decisions

Ecosystem Goal: Protect, Restore, and Manage the Use of Coastal and Ocean Resources Through an Ecosystem Approach to Management

EC

Climate Goal: Understand Climate Variability and Change to Enhance Society's Ability to Plan and Respond

CL

Weather & Water Goal: Serve Society's Needs for Weather and Water Information

WW

Commerce & Transportation Goal: Support the Nation's Commerce with Information for Safe, Efficient, and Environmentally Sound Transportation

CT

Mission Support Goal: Provide Critical Support for NOAA's Mission

MS

National Marine Fisheries Service

NMFS

National Ocean Service

NOS

Oceanic & Atmospheric Research

OAR

National Environmental Satellite Data & Information Service

NESDIS

National Weather Service

NWS

Office of Marine & Aviation Operations

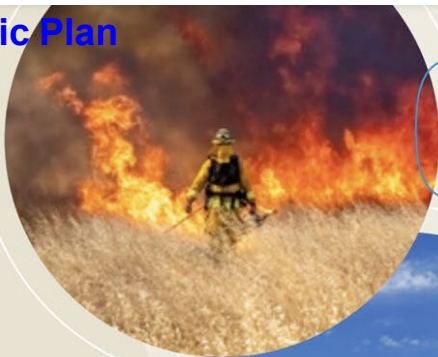
OMAO

Program Planning & Integration

PPI



How do we achieve these goals? Via Research, User and Stakeholder Needs, Applying new technology, engaging in collaboration, understanding gaps, improving how data is presented.



01

BUILD A CLIMATE READY NATION

Through upgraded climate information, improved weather forecasts and enhanced infrastructure, NOAA will build a Climate Ready Nation, resilient and prepared for future climate change. NOAA will address mitigation efforts and ensure safety and preparedness for all Americans.



02

MAKE EQUITY CENTRAL TO NOAA'S MISSION

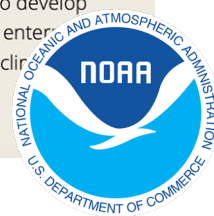
NOAA will strive to ensure the needs of America's underserved and vulnerable populations are met through delivery of services, education and training to prepare all communities for increasing extreme weather and climate hazards. Not only will NOAA focus on partnerships that will increase its reach to underserved and vulnerable communities, it will also implement practices within the agency to ensure equal opportunities and treatment of employees.



03

ACCELERATE GROWTH IN AN INFORMATION-BASED BLUE ECONOMY

Utilizing its deep understanding of ocean and coastal environments, NOAA will provide data, information and services to catalyze American competitiveness, accelerate growth of sustainable ocean industries and facilitate the technology advancements for coastal and marine solutions to climate challenges. To develop a robust blue economy, NOAA will continue to support a thriving ocean enterprise that adds sustainable economic opportunities while providing valuable climate, weather and ocean services and solutions.

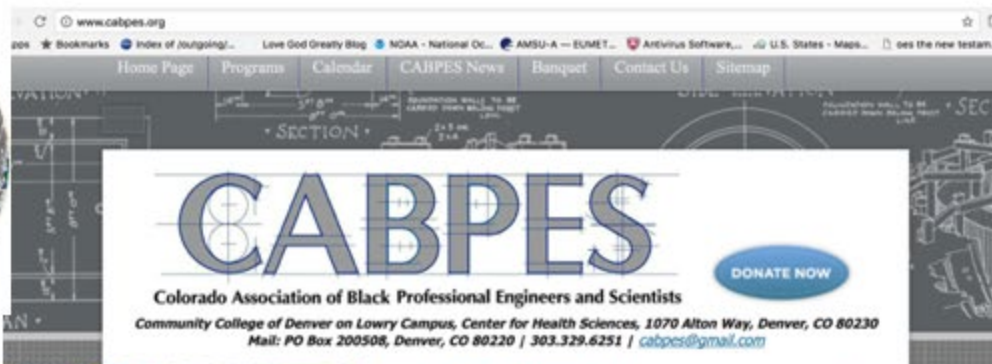
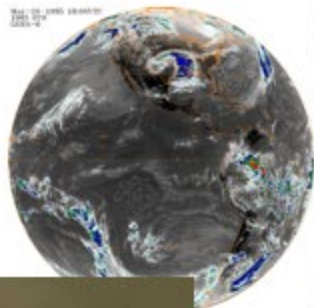


What is it like to work at NOAA?

- NOAA has an excellent and **broad science mission**.
- NOAA works very hard to build domestic and international **partnerships** to support global observations and to work on global issues such as climate change.
- NOAA has built up more internal capabilities for **employee support**, including a stronger focus on diversity and inclusion and employee resource groups.
- Work at NOAA can often require a combination of **managing research/science/operations, enhancing user and stakeholder relationships, and working within teams**.
- NOAA has excellent opportunities for **professional development**
- NOAA has locations all over the US.
- NOAA uses the Federal Employee Viewpoint Survey to help understand how to better support its workforce.
- NOAA provides excellent opportunities for employees to engage in **service**



Service



[Register for the 2017 Banquet HERE](#)

NOAA AMBASSADOR



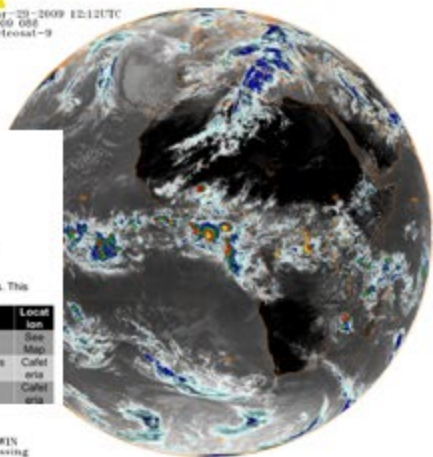
DR. MARTIN LUTHER KING, JR.

Women in STEM Day

Saturday, April 15, 2017, 11 am – 4 pm

Thank you for taking time out of your busy schedule to support our students. This event is open to the community.

Time	Activities & Experiments	Presented by	Location
11:00 am - 1:00 pm	Keynote	N/A	See Map
1:00 pm - 1:30 pm	Speaker	Alisa Young, Ph. D. - NOAA's National Centers for Environmental Information	Cafeteria
1:30 pm - 2:00 pm	Panel/Raffles	Several Female STEM Leaders	Cafeteria



EMPOWERING Women and Under-represented Minorities

Providing Climate Data Services to the Public

Paths into NOAA

NOAA Student Programs:

Office of Education home ▼	José E. Serrano EPP/MSI home	EPP/MSI Science Centers ▼	EPP/MSI Undergraduate Scholarship ▼	NOAA mentors	EPP/MSI impacts ▼	EPP/MSI news ▼	About EPP/MSI ▼	About Congressman José E. Serrano
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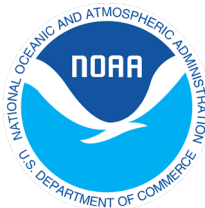
Conservation Corp Act Direct Hire Authority Act of 2019. This authority allows us to hire qualified recent graduates who participated in an eligible NOAA summer internship or fellowship into entry-level federal positions through a more direct process. Positions filled using this authority support the National Marine Sanctuary System, coral reefs, and other coastal, estuarine, and marine habitats, and other land and facilities managed by NOAA.

Early Career Opportunity (ECO) Program - Internal Program that sets targets for workforce positions to enable more pathways for students and recent graduates/early career professionals to enter the NOAA WF.

Cooperative Institutes - Pipeline into NOAA. NOAA provides a sustainable funding pipeline to its Cooperative Institutes to help NOAA achieve its mission science goals and also to also help train the next NOAA Workforce.

USA Jobs (Federal Positions) - Pathways Recent Graduate Program (GS 7-9) (ZP 2), PhD (ZP-3)

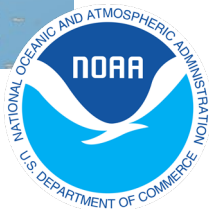
Contract Positions/NOAA Affiliates: GST, STG, Jamison Professional Service





<https://ci.noaa.gov/locations/>

16 Cooperative Institutes w/ 3 additional CIs on a No Cost Extension (NCE)



Tools and Resources:

- Currently 228 Pathways Positions
- 72 Current NOAA Jobs



How to...

[How to create a login.gov account](#)

[How to use login.gov if you have limited access to a phone or cell service](#)

[How to create a profile](#)

[How to view job applications](#)

[How to check on the status of an application](#)

[View this section](#)

Tips on USAJobs and NOAA Hiring as a student:

- Consult a NOAA employee/sponsor if you have trouble navigating USA jobs.
- Use the USAJobs resume builder.
- If you have questions about any job posting, reach out to the POC on the announcement.
- Invest in preparing for your interview
- Make



FAQs

[What is login.gov and why do I have to create an account?](#)

[How does the application process work?](#)

[What should I include in my resume?](#)

[What types of documents might I need to provide?](#)

[What are background checks and security clearances?](#)

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Working in government

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Thanks For Your Attention!

Please contact me @ Alisa.Young@noaa.gov

If you have any questions.