



Advancing NOAA's Mission: 25 Years of Preparing Mission-Ready Candidates

WHAT WE DO

CESSRST recruits, trains, and graduates U.S. students in NOAA-related STEM fields. We develop highly-skilled cohorts equipped with advanced scientific competencies and knowledge ready to support and advance NOAA's mission.

GRADUATES

DOCTORATES

226

MASTERS

127

BACHELORS

340

Preparing Candidates for NOAA Mission Enterprise

The Center advances strategic areas critical to NOAA's mission, including remote sensing, data science, Earth system science, artificial intelligence, environmental modeling and algorithm development, geographic information systems (GIS), and observational technologies. Particular emphasis is placed on the application of these disciplines to understanding, monitoring, and managing marine and coastal environments.



CESSRST-II Graduate Fellow, Stephanie Marquez at her NERTO



CESSRST-II Fellows collecting measurements during a fieldwork

STUDENT SUPPORTED

1072

over 25 Years

GRADUATES

693

across all partner institutions

NERTOS

116

across all NOAA line offices

SUMMER INTERNSHIPS

104



The City College
of New York



cessrst@ccny.cuny.edu

HAMPTON
UNIVERSITY



SAN DIEGO STATE
UNIVERSITY



Advancing NOAA's Future Workforce

805

Conferences
Presentations

185

Peer-Reviewed
Publications

17

Field
Campaigns



Fellows participating in a workshop at CESSRST Annual Symposium



CSC Expertise



(Radar at CCNY during Summer Field Campaign)

- Remote sensing & Technologies
- Hydrology & processes
- Artificial Intelligence
- Air & Water Quality
- Satellite Observations, Validation & Modeling
- Citizen Science
- Data Science & Visualization
- Public Policy



Career Outcome

- 36 Fellows hired by NOAA Feds and Contractors
- 366 Private Sectors/Industries hired NOAA CESSRST students
- 144 Federal/State/Contractors hired NOAA CESSRST students



Partnerships Across Multiple Agencies

- ✓ NOAA
- ✓ US Army
- ✓ TRNERR
- ✓ NASA
- ✓ Woods Hole Institute
- ✓ US EPA
- ✓ CIRES
- ✓ University of Maine
- ✓ NYC Office of Mayor
- ✓ Harlem River Working Group
- ✓ Office of Restoration
- ✓ Several Local & State Agencies

LEVERAGED FUNDS

\$116M

The CSC award has significantly enhanced student success and workforce development across the Center. The award has also increased opportunities for professional development through internships, mentorship, leadership training, conference participation, and hands-on research experiences. Student achievements, alumni success stories, and institutional recognitions reflect the Center's commitment to developing a highly skilled, competitive, and diverse next-generation workforce.



CESSRST-II Faculty & Fellows at the 11th Biennial Education & Science Forum at UMES, Princess Ann, Maryland