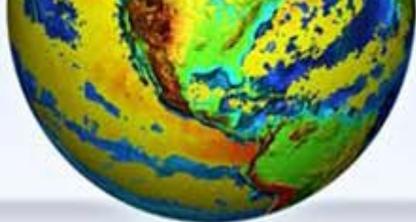


# **WELCOME**

## **QUESTIONS:**

- 1. PLEASE USE THE CHAT AREA (POD) TO TYPE IN YOUR QUESTIONS AND**
- 2. THE NOAA OFFICE OF EDUCATION WILL RESPOND TO QUESTIONS AT THE END OF THE PRESENTATION.**



Please click on the sticky note to the left of this text box. Look for the sticky note on each slide. However, not all slides have sticky notes.

# NOAA Office of Education

Educational Partnership Program

[www.epp.noaa.gov](http://www.epp.noaa.gov)

Cooperative Science Center

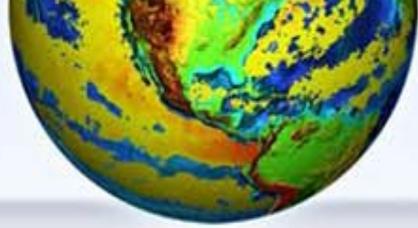
Informational Session

**July 21, 2010**



This presentation is not a substitute for all published guidance in (i) the Federal Register Notice (FRN), and (ii) the Federal Funding Opportunity (FFO).

If there is a difference in information, the published FRN and FFO are the legal guidance.

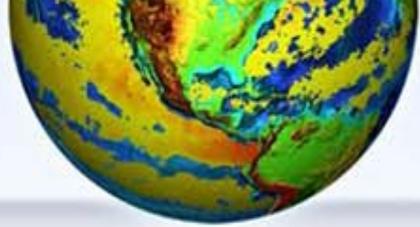


# Purpose of the Informational Session



## Objectives

- To Introduce Organization
  - National Oceanic & Atmospheric Administration (NOAA)
    - Office of Education (OEd)
      - Educational Partnership Program (EPP)
- To encourage partnering with NOAA
- To share information on the Cooperative Science Center Solicitation
  - Cooperative Agreement
  - Purpose of the Cooperative Science Centers
  - Eligibility Information
  - Consortium of Institutions
  - Program Priorities
  - Application Requirements

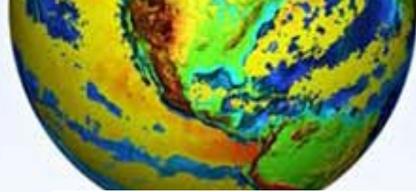


# NOAA Vision



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.





# NOAA Organization



## CORPORATE FUNCTIONS



## NOAA ORGANIZATION

Under Secretary of Commerce for Oceans & Atmosphere & Administrator  
**Dr. Jane Lubchenco**

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Assistant Secretary of Commerce for Oceans & Atmosphere and Deputy Administrator  
**Dr. Larry Robinson**

---

Deputy Under Secretary for Oceans & Atmosphere  
**Mary M. Glackin**

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Chief of Staff  
**Margaret Spring**

Deputy Assistant Secretary for International Affairs  
**Dr. James M. Turner**

Deputy Assistant Secretary for Oceans & Atmosphere  
**Vacant**

Deputy Chief of Staff  
**Emily Lindow (A)**

Office of Decision Coordination & Executive Secretariat  
**Kelly Quickle**

Program Coordination Office  
**Emily Lindow (A)**

Office of Military Affairs  
**LT Col David Miller, USAF**  
**CDR Ashley Evans, USN**

General Counsel <b>Lois Schiffer</b>	Legislative Affairs <b>John Gray</b>	Communications <b>Justin Kenney</b>	Workforce Management <b>Sam Manning (A)</b>	Education <b>Louisa Koch</b>	Chief Information Officer/High Perf. Computing & Comm. <b>Joe Klimavicz</b>
Program Analysis & Evaluation <b>Stephen D. Austin</b>	Chief Administrative Officer <b>William Broglie</b>	Chief Financial Officer <b>Maureen Wylie</b>	Federal Coordinator for Meteorology <b>Sam Williamson</b>	Acquisition & Grants <b>Mitchell J. Ross</b>	Marine & Aviation Operations <b>RADM Jonathan W. Bailey</b>

## LINE OFFICES

Assistant Administrator Oceanic & Atmospheric Research (OAR) <b>Craig McLean (A)</b>	Assistant Administrator National Ocean Service (NOS) <b>David Kennedy (A)</b>	Assistant Administrator National Environmental Satellite, Data & Information Service (NESDIS) <b>Mary Kicza</b>	Assistant Administrator National Marine Fisheries Service (NMFS) <b>Eric Schwaab</b>	Assistant Administrator National Weather Service (NWS) <b>Dr. Jack Hayes</b>	Assistant Administrator Program Planning & Integration (PPI) <b>Dr. Paul Doremus (A)</b>
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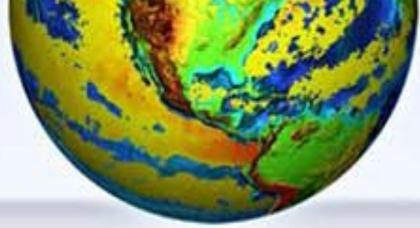
## MISSION GOALS

Ecosystem <b>Dr. Steve Murawski</b>	Climate <b>Dr. Chet Koblinsky</b>	Weather & Water <b>Edward Johnson (A)</b>	Commerce & Transportation <b>CAPT Gerd Glang</b>
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## MISSION SUPPORT

Satellite Services <b>Vacant</b>	Modeling & Observing Infrastructure <b>Kenneth McDonald</b>
Fleet Services <b>Tajr Hull</b>	Leadership & Corporate Services <b>William Broglie</b>





# NOAA Mission Goals



**Ecosystems:** Protect, restore and manage the use of coastal and ocean resources



**Climate:** Understand climate variability and change to enhance society's ability to plan and respond

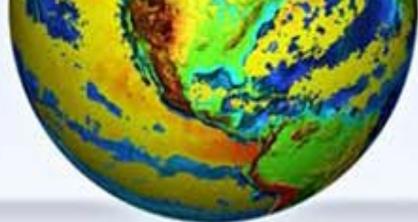


**Weather & Water:** Serve society's needs for weather and water information



**Commerce & Transportation:** Support, safe, efficient, and environmentally sound transportation





# NOAA Education Strategic Plan, 2009 - 2029

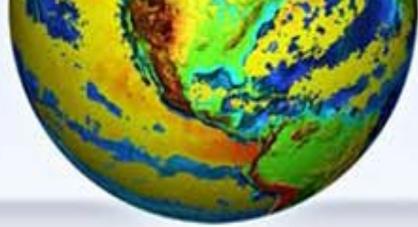


## NOAA Education Strategic Plan

[http://www.oesd.noaa.gov/plan\\_policy.html](http://www.oesd.noaa.gov/plan_policy.html)

### Two (2) Primary Education Goals:

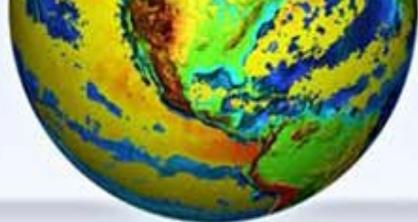
- Goal 1: An **environmentally literate public** supported by a continuum of lifelong formal and informal education and outreach opportunities in ocean, coastal, Great Lakes, weather and climate sciences.
- Goal 2: A **future workforce**, reflecting the diversity of the Nation, skilled in science, technology, engineering, mathematics, and other disciplines critical to NOAA's mission.



# Educational Partnership Program



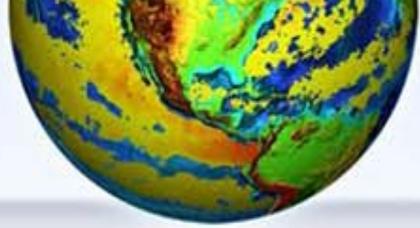
- The Educational Partnership Program with Minority Serving Institutions (EPP/MSI) was initiated in FY 2000 with a \$15M appropriation.
- The program uses the Department of Education definition of MSIs (e.g., HBCU, HSI, TCU).
- The EPP/MSI program addresses NOAA mission goals.



# Educational Partnership Program Goals



- To increase programs and opportunities for students to pursue education and research in NOAA sciences.
- To develop collaborative programs with MSIs that provide education to serve the interests of NOAA and the nation at large.
- To increase linkages between NOAA and MSIs, other academic institutions, the public and private sectors, the Non-Governmental Organization community.

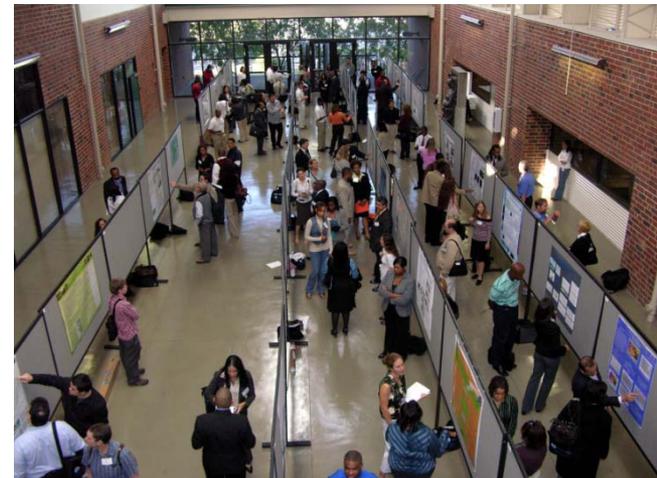


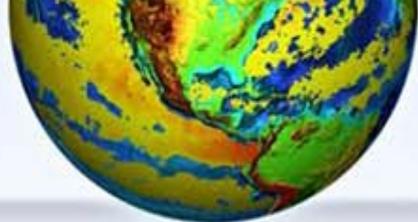
# Educational Partnership Program Components



- Cooperative Science Centers;
- Undergraduate Scholarship Program;
- Graduate Sciences Program; and,
- Environmental Entrepreneurship Program.

[www.epp.noaa.gov](http://www.epp.noaa.gov)



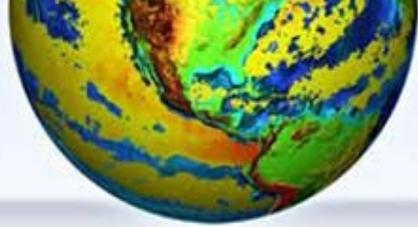


# Cooperative Science Centers



**This solicitation is for applications to establish five NOAA Cooperative Science Centers:**

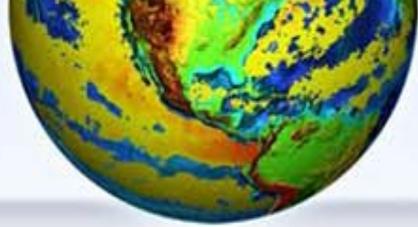
- **Atmospheric Cooperative Science Center**
- **Living Marine Resources Cooperative Science Center**
- **Environmental Cooperative Science Center**
- **Remote Sensing Technology Cooperative Science Center**
- **Scientific Environmental Technology Cooperative Science Center**



# Cooperative Science Center Cooperative Agreement



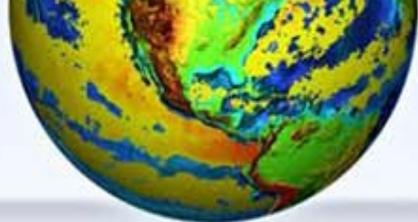
- A cooperative agreement means that NOAA will be significantly involved in the activities of the awards.
- A cooperative agreement is appropriate when substantial NOAA involvement is anticipated. This means that the recipient of a Cooperative Science Center award can expect substantial agency collaboration, participation, or intervention in project performance.



# Cooperative Science Centers Purpose



- Each NOAA Cooperative Science Center must conduct education and research that directly supports NOAA's mission goals. The purpose of these Centers at MSIs is to:
  - Educate students in science, technology, engineering, and mathematics (STEM) fields related to the Centers' research areas to increase the number and diversity of NOAA's and the nation's STEM workforce;
  - Conduct research in collaboration with NOAA scientists and engineers to better understand the significance of changes in the Earth's ocean, coast, Great Lakes, weather and climate; and,
  - Build capacity and sustainability at all Center institutions.



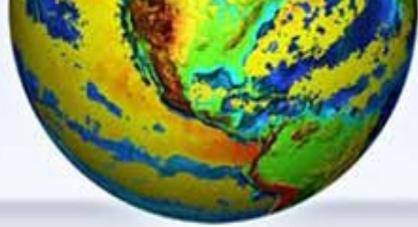
# Cooperative Science Centers Eligibility

## Lead Institution



A proposed center's principal academic institution must be an accredited MSI with a Ph.D. degree-granting program in a STEM field that directly supports NOAA's mission.

For the purpose of this program Minority Serving Institutions are: Historically Black Colleges and Universities, Hispanic-Serving Institutions, Indian Tribally Controlled Colleges and Universities, Alaska Native-Serving Institutions, and Native Hawaiian-Serving Institutions, as identified on the 2007 United States Department of Education, Accredited Postsecondary Minority Institution list.

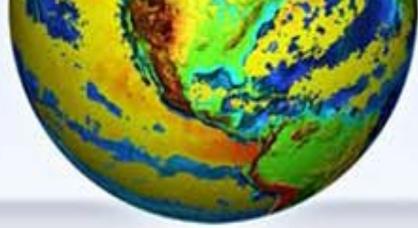


# Cooperative Science Center Consortium of Institutions



**Partnership:** A Cooperative Science Center may partner with one or more institutions that have demonstrated education and research performance in NOAA-related sciences. While the center will be established at an MSI, consortia with non-minority serving institutions as partners will not be restricted.

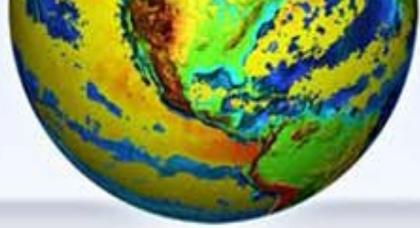
If a cooperative agreement is awarded to a consortium of institutions, the consortium must propose the governance structure that includes a single director and one award.



# Cooperative Science Center Program Priorities Overview



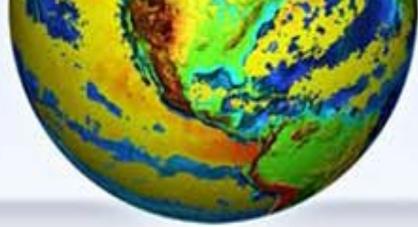
1. The established CSC will be required to develop three plans: Strategic, Implementation, and Science Plans;
2. An Accredited MSI with a Ph.D. Program;
3. A Student Development Plan;
4. A Postdoctoral Program;
5. A Sustainability Program;
6. The Cooperative Science Center Key Positions;
7. Course and Seminar Delivery Mechanisms;
8. The Social Science Component;
9. The Education and Science Forum;
10. The Cooperative Science Center Evaluation; and,
11. Other Program Priority.



# Cooperative Science Center Benefits



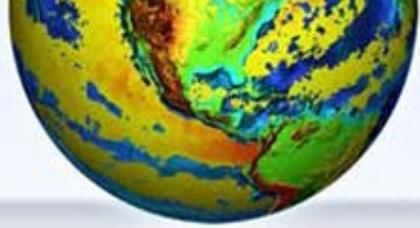
1. Educate, train, and graduate students in NOAA-related sciences;
2. Build a pipeline of students in NOAA-related sciences;
3. Develop a post-doctoral program;
4. Enhance or develop new curriculum and degree programs in NOAA-related sciences;
5. Develop cutting edge course delivery mechanisms;



# Cooperative Science Center Benefits

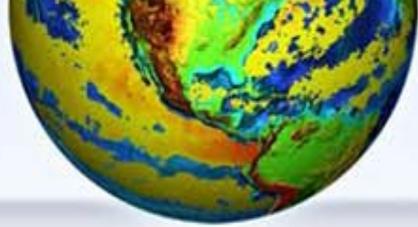


6. Develop collaborative research relationships among university, cooperative science center partner institutions, and NOAA scientists;
7. Build sustainable capacity at the academic institution(s) in NOAA-related sciences;
8. Showcase collaborative research to the scientific community through meetings, forums, and seminars;
10. Develop an improved understanding of new technologies; and,
11. Integrate social sciences and share its implications.



Partner with NOAA to educate  
and train the next generation  
of diverse and highly-skilled  
workforce

**SUBMIT AN APPLICATION**



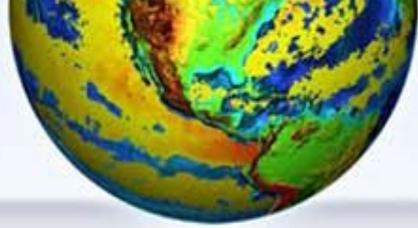
# Cooperative Science Centers Application – Required Elements



Each application must include the following elements or it will be returned to sender without further consideration:

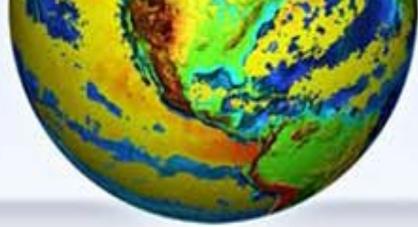
## **PLEASE REFER TO THE FEDERAL FUNDING OPPORTUNITY**

- a. Federal forms;
- b. Signed summary title page;
- c. One-page abstract summary;
- d. **Cooperative Science Center description;**
- e. References cited;
- f. Milestone chart;
- g. Budget;
- h. Budget justification;
- i. Current pending support;
- j. Evaluation of the program; and,
- k. Federal, state, and local government activities.



# Cooperative Science Centers Application – Center Description (Slide 1 of 4)

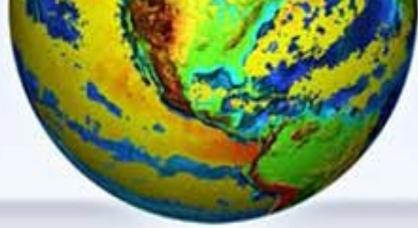
- The center description should address the following:
  - Program Objectives;
  - Program Priorities;
  - Evaluation Criteria;
  - Education and Outreach focus and objectives;
  - Research focus and objectives;
  - An approach to achieve measurable center objectives including measurable targets should be clearly described for all partners in center activities;
  - Expected deliverables should be clearly described and aligned with CSC and EPP program priorities outlined in this FFO; and,
  - Administrative structure (e.g., school, college, department and/or reporting structure).



# Cooperative Science Centers Application – Center Description (Slide 2 of 4)



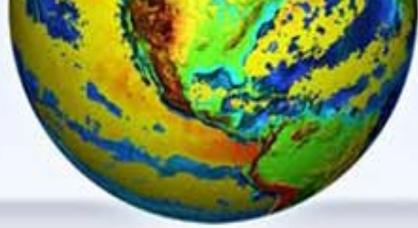
- The center description should include relevant accomplishments from prior programs, education and research - particular programs funded by NOAA and other organizations in support of education and research.
- Also, include past collaborative projects to indicate record of successful, meaningful collaboration(s) in education and outreach, and research.
- In the documentation, also include a summary of the graduation rates at the bachelors, Master's, and doctorate levels. If yearly analyses of graduation rates versus national statistics were conducted, please include the information.



# Cooperative Science Centers Application – Center Description (Slide 3 of 4)



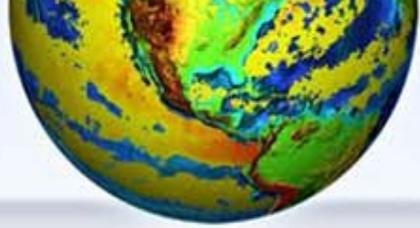
- Any links to published summary reports or articles that illustrate program performance may be provided.
- This section should clearly identify program management with a description of the role of the Center Director, Deputy Director, Distinguished Scientist, Program Coordinator and each Principal Investigator.



# Cooperative Science Centers Application – Center Description (Slide 4 of 4)

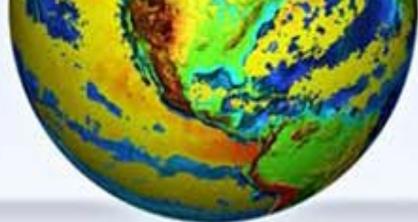


- The goals and measurable outcomes for the period of proposed work and its expected relevance to NOAA's mission;
- A discussion of how the proposed program will enhance and support NOAA's mission; and,
- Potential coordination with other academic partners and/or the private sector.



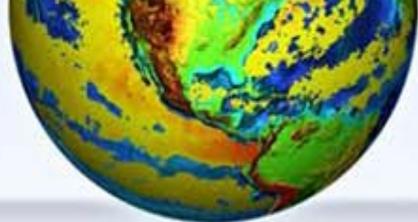
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# QUESTIONS OR COMMENTS?





# Cooperative Science Center Solicitation Points of Contact & Technical Liaisons



Administrative, Technical Contact and Liaison

Dr. Audrey Trotman

301.713.9437 ext. 155

Technical Contact and Liaison

Dr. Meka Laster

301.713.9437 ext. 147

Educational Partnership Program Web Site:

[www.epp.noaa.gov](http://www.epp.noaa.gov)