

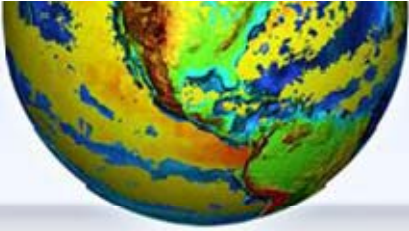
# WELCOME

## NOAA -SEC-OED-2011- 2002684:

1. PLEASE E-MAIL YOUR **QUESTIONS** TO **[OED.EPP10@NOAA.GOV](mailto:OED.EPP10@NOAA.GOV)** **THROUGHOUT THE PRESENTATION**; **INDICATE THE SLIDE NUMBER.**
2. THE NOAA OFFICE OF EDUCATION WILL RESPOND TO QUESTIONS AT THE END OF THE PRESENTATION.

Slide 0





# NOAA Office of Education

Educational Partnership Program

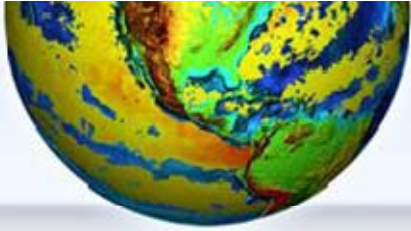
[www.epp.noaa.gov](http://www.epp.noaa.gov)

Cooperative Science Center

Informational Session

**August 25, 2010**





## Disclaimer

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.

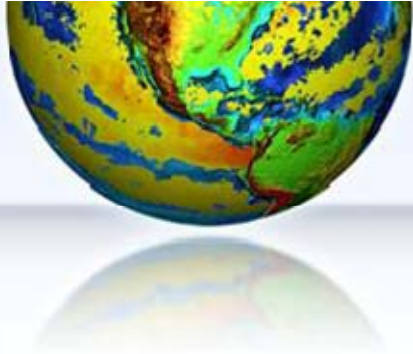




# Informational Session

At the end of this session participants will –

- Become familiar with our Organization
  - National Oceanic & Atmospheric Administration (NOAA)
    - Office of Education (OEd)
      - Educational Partnership Program (EPP)
- Understand required partnerships with NOAA and others in the public/private sector
- Gain an overview of the Cooperative Science Center Solicitation
  - Cooperative Agreement
  - Purpose of the Cooperative Science Centers
  - Eligibility Information
  - Consortium of Institutions
  - Program Priorities
  - Application Requirements



## NOAA Vision

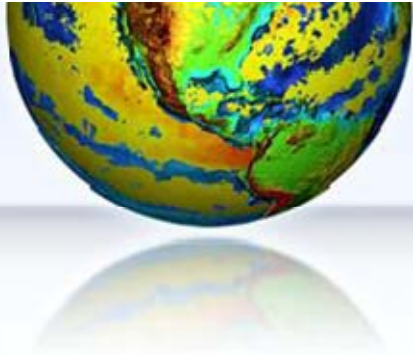
An informed society that uses a comprehensive understanding of the role of the oceans, coasts, and atmosphere in the global ecosystem to make the best social and economic decisions.



<http://www.noaa.gov>

Slide 3





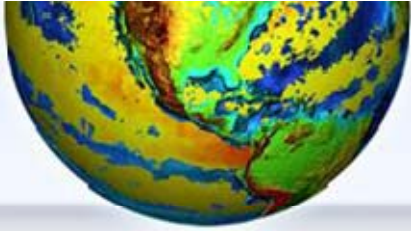
# NOAA MISSION

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.

<http://www.noaa.gov>

Slide 4





# NEXT GENERATION STRATEGIC PLAN

**NOAA's Long-Term Goals:**

**Climate Adaptation and Mitigation:** *An informed society anticipating and responding to climate and its impacts*

**Weather-Ready Nation:** *Society is prepared for and responds to weather-related events*

**Healthy Oceans:** *Marine fisheries, habitats, and biodiversity are sustained within healthy and productive ecosystems*

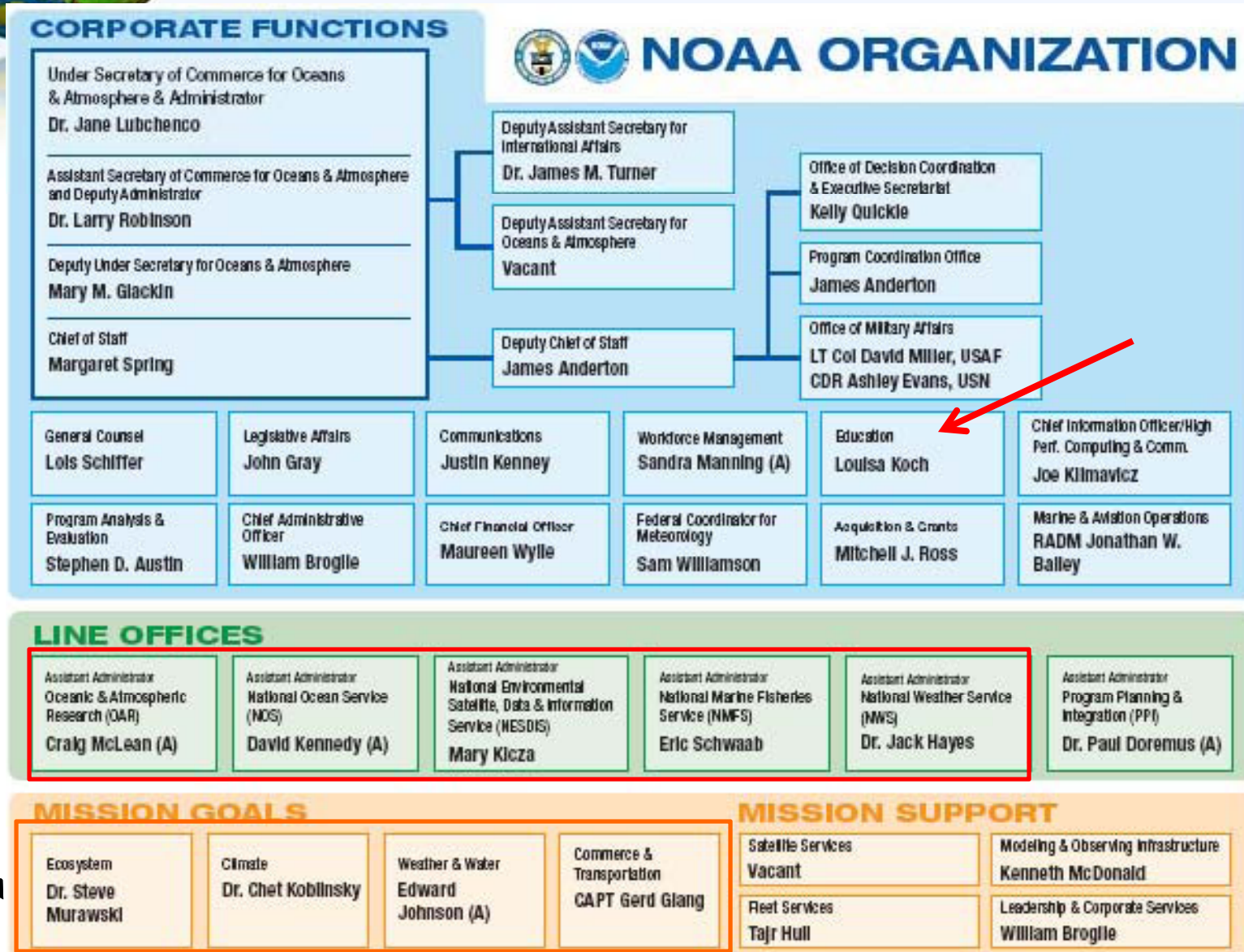
**Resilient Coastal Communities and Economies:** *Coastal and Great Lakes communities are environmentally and economically sustainable*

Slide 5





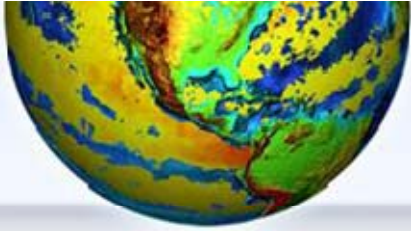
# NOAA Organizational Chart



Slide 6







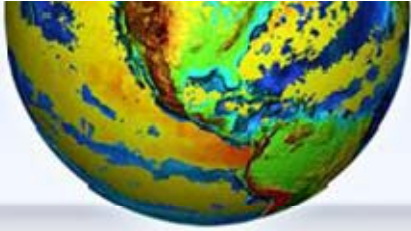
# NOAA Education Strategic Plan, 2009 - 2029

## NOAA Education Strategic Plan

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

- 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.**

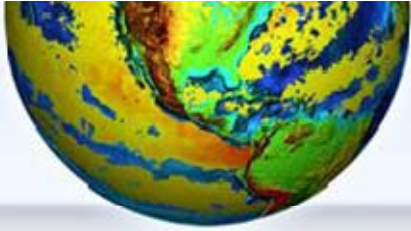




# Educational Partnership Program

- The Educational Partnership Program with Minority Serving Institutions (EPP/MSI) was initiated in FY 2000 with a \$15M appropriation from Congress.
- This program uses the U.S. Department of Education definition of MSIs (e.g., HBCU, HSI, TCU), <http://www.ed.gov/about/offices/list/ocr/edlite-minorityinst.html>.
- The EPP/MSI program addresses the NOAA mission.

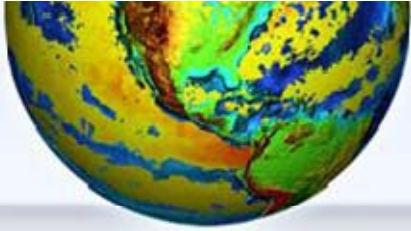




## Educational Partnership Program Goals

- To **increase** programs and opportunities for students to **pursue education and research**, and **graduate** in NOAA mission 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.

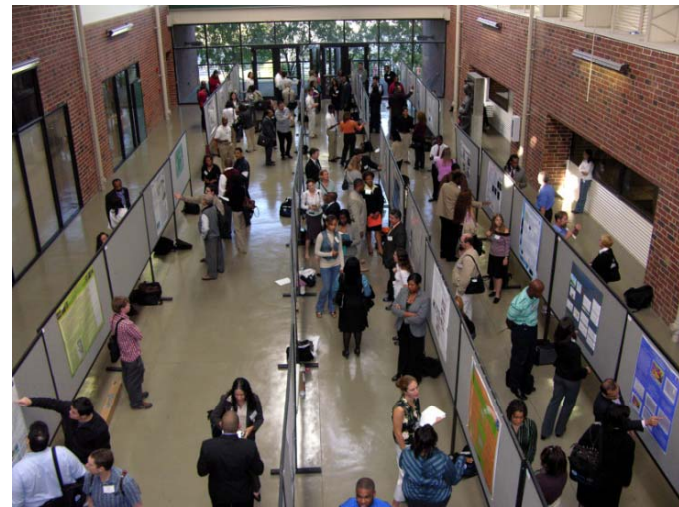




# Educational Partnership Program Components

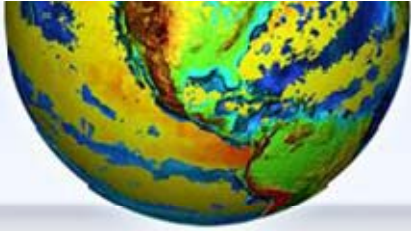
- Cooperative Science Centers;
- Undergraduate Scholarship Program;
- Graduate Sciences Program; and
- Environmental Entrepreneurship Program.

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



Slide 10

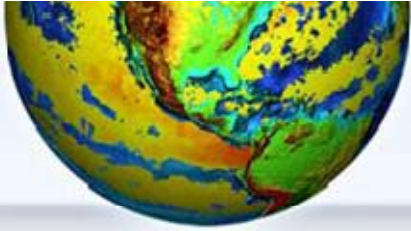




# Cooperative Science Center Cooperative Agreement

- 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.





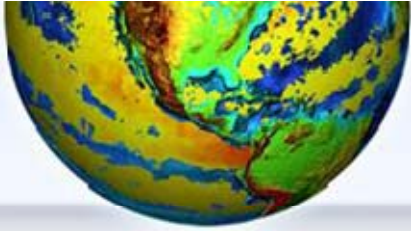
# Cooperative Science Centers

**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**

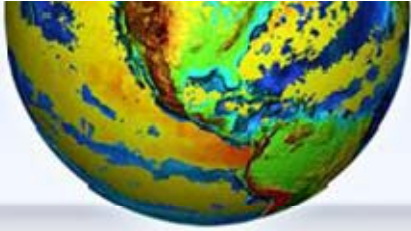






# Cooperative Science Centers Purpose

- Each NOAA Cooperative Science Center must **conduct education and research**, and **graduate students** in sciences that directly support NOAA's mission goals. The purpose of these Centers at MSIs is to:
  - **Educate and increase graduation rates** for 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.



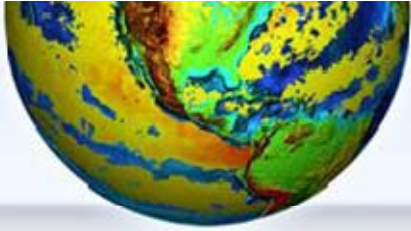
# Cooperative Science Centers Eligibility

## 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.



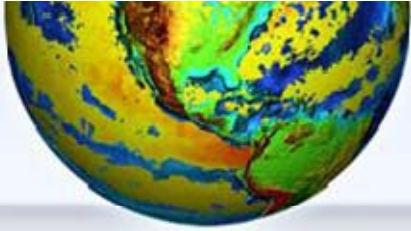


## Cooperative Science Center Consortium of Institutions

**Partnership:** A Cooperative Science Center may partner with one or more institutions that have **demonstrated education and research performance in NOAA-related mission 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**.

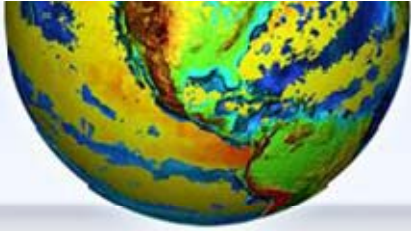




# Cooperative Science Center Overview of Program Priorities

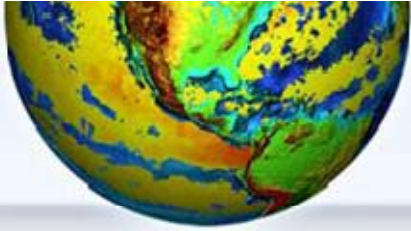
1. When established, CSC will be required to develop three plans: Strategic, Implementation, and Science Plans;
2. Accredited MSI with a Ph.D. Program in a NOAA area;
3. Student Development Plan;
4. Postdoctoral Positions;
5. Plan for Sustainability;
6. Key Positions;
7. Leveraging human capital, equipment, research, and education resources;
8. Social Science Component;
9. Education and Science Forum;
10. Cooperative Science Center Evaluation; and,
11. Other Program Priority.





# Cooperative Science Center Benefits

1. Educate, train, and graduate students in NOAA-mission sciences;
2. Expand numbers of trained students in NOAA-mission sciences so that managers from NOAA and other resources management entities may select for their workforce;
3. Develop post-doctoral position;
4. Enhance or develop new curriculum and degree programs in NOAA mission-related sciences;
5. Develop cutting edge course delivery mechanisms;

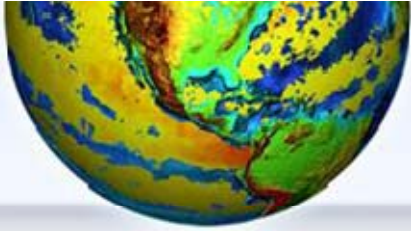


## Cooperative Science Center Benefits

6. Develop collaborative research relationships among cooperative science center partner institutions, public/private sectors, State, Local, Tribal governments and NOAA scientists, as appropriate;
7. Build sustainable capacity at the academic institution(s) in NOAA-mission sciences;
8. Promote results of collaborative research to the scientific community through meetings, forums, seminars, etc.;
10. Improve understanding and use of new technologies;  
and,
11. Integrate social sciences and share its implications.



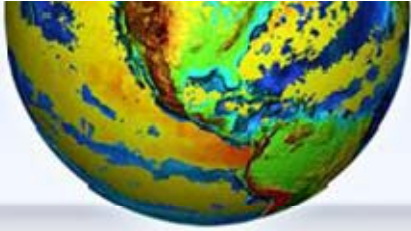




Partner with NOAA to educate  
and train the next generation of  
diverse and highly-skilled STEM  
talent.

SUBMIT AN APPLICATION





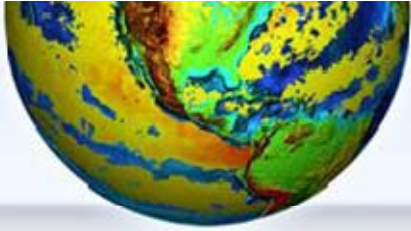
# Cooperative Science Centers Application – Required Elements

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.





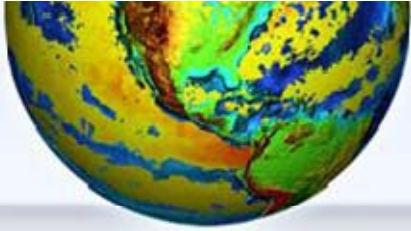
# Cooperative Science Centers Application – Center Description (Slide 1 of 4)

The **center description** should address:

- Program Objectives;
- Program Priorities;
- Evaluation Criteria;
- Education and Outreach focus and objectives;
- Research focus and objectives;

Clearly describe for all partners in center activities: -

- approach to achieve measurable center objectives including measurable targets;
- expected deliverables aligned with CSC and EPP program priorities outlined in this FFO; and,
- Administrative structure (e.g., school, college, department and/or reporting structure).

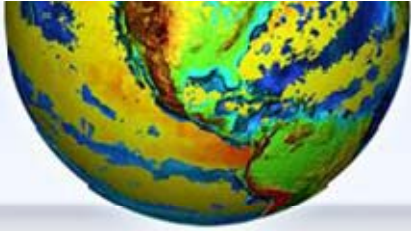


## Cooperative Science Centers Application – Center Description (Slide 2 of 4)

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;
- past collaborative projects to indicate record of successful, meaningful collaboration(s) in education and outreach, and research;
- a summary of the graduation rates at the baccalaureate, Master's, and doctoral levels, and yearly analyses of graduation rates versus national statistics, if data are available.



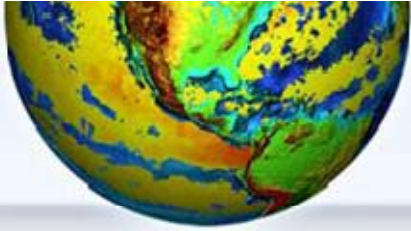


## Cooperative Science Centers Application – Center Description (Slide 3 of 4)

The **center description** should include:

- 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**.





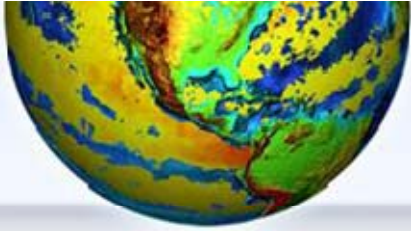
# Cooperative Science Centers Application – Center Description (Slide 4 of 4)

The **Center description** should include:

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





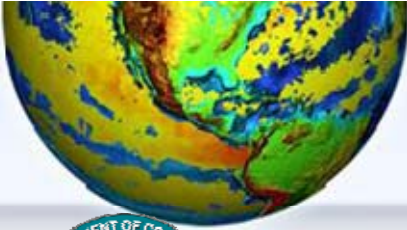


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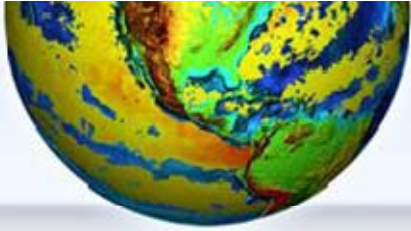


# Inquiries?

Send e-Mail To:

[OED.EPP10@noaa.gov](mailto:OED.EPP10@noaa.gov)





# 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

## **Liaison**

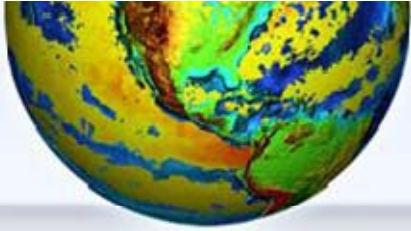
Dr. Priti Brahma

301.713.9437 ext. 118

Educational Partnership Program Web Site:

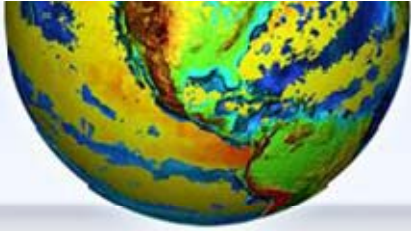
[www.epp.noaa.gov](http://www.epp.noaa.gov)





# INTEREST IN SERVING AS REVIEWERS

Individuals interested in serving as peer reviewers may contact NOAA via email: [oad.epp10@noaa.gov](mailto:oad.epp10@noaa.gov) by September 30, 2010.



**This presentation and the FAQs about the meeting will be made available within 2-3 days via the Solicitations hyperlink located on the EPP web site, <http://www.epp.noaa.gov>.**

**WE WILL ANSWER ANY QUESTIONS REGARDING THE APPLICATION PROCESS AND RESPONSIVENESS ISSUES.**

**[oed.epp10@noaa.gov](mailto:oed.epp10@noaa.gov)**