



National Space Grant College and Fellowship Program

2010 Spring National Meeting *Washington, D.C.*

Diane DeTroye
Space Grant and EPSCoR Programs



NASA Space Grant/EPSCoR Staff



- **Luis Rabelo – EPSCoR Project Manager**
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- **Shan de Silva – EPSCoR Fellow (Oregon St. U)**
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- **Kevin Sadeghian – Systems Engineer (Valador)**



NASA Headquarters Attendees



- Jerry Hartman
 - ESMD Education
- Tony Springer
 - ARMD Education
- Robert Braun
 - NASA Chief Technologist
- Lisa Guerra
 - ESMD Senior Advisor for Strategic Planning, U of Texas, Dept. of Aerospace Engineering
- Alan Ladwig
 - NASA Deputy Assistant Administrator for Public Outreach
- Dr. Joyce Winterton
 - NASA Associate Administrator for Education



NASA Attendees



NASA Centers

- Natalie Gore
 - Ames Research Center – AERO Institute
- Dave Rosage
 - Goddard Space Flight Center – University Programs
- Linda Rodgers
 - Jet Propulsion Laboratory – GSRP Project Mgr
- Mark Severance
 - Johnson Space Center – ISS National Lab Education Projects Mgr
- Gloria Murphy
 - Kennedy Space Center – ESMD/Space Grant Project Mgr
- Frank Six
 - Marshall Space Flight Center – University Affairs Officer



What have we been doing since the Portland Meeting?



- Conducted Ares 1-X Pre-Launch Education Forum – Oct. 26-28
- Released the 2010 Space Grant Solicitation – Nov. 30
- Released the 2010 EPSCoR Solicitation – Nov. 19
- Conducted the Industry Education Forum – Dec. 3
- Received approval and released the EPSCoR RID Continuation announcement – Jan. 20
- Developed and released Summer of Innovation solicitation – Jan. 27
- Participated in the creation of the CubeSat Launch Initiative announcement – Feb. 23
- Conducted STS-130 Pre-Launch Education Forum – Feb. 5-8
- Processed Space Grant and EPSCoR no-cost extensions
- Represented Education at the Flight Planning Board for the Educational Launch of Nanosatellite (ELaNa) CubeSats
- Made EPSCoR 2009 Technical Monitor assignments
- Processed Steckler awards and made Technical Monitor assignments
- Ongoing development of the OEPM data system
- Participated in weekly telecons on the development of the One-Stop Shopping Initiative
- Ongoing development of the final report on the 20th Year Evaluation
- Responding to Congressional inquiries



What have **YOU** been doing since the Portland Meeting?



- Responded to the 2010 Space Grant Solicitation – Feb. 5
- Responded to the 2010 EPSCoR Solicitation – Feb. 19
- Attended the Industry Education Forum – Dec. 3
- Responding to the EPSCoR RID Continuation announcement
- Responded to Summer of Innovation solicitation – Feb. 26
- Will respond to the CubeSat Launch Initiative announcement – April 15
- Nominated participants to the STS-130 Pre-Launch Education Forum – Feb. 5-8
- Requested Space Grant and EPSCoR no-cost extensions
- Nominated participants to STS-131 Pre-Launch Education Forum – April 2-5
- Developing ELaNa CubeSats
- Working with EPSCoR 2009 Technical Monitors
- Working with Steckler Technical Monitors
- Participating on the OEPM data system Working Group
- Receiving briefing on the One-Stop Shopping Initiative



NASA Explorer Schools



NES Project Core Components:

- Open to all middle schools and high schools,
- Regardless of geography, academic specialty, or economic status, and requires no application process.
- Annual set of recognition opportunities for teachers and students will provide internships, shadowing, research opportunities, grants, and educational materials for demonstrating innovative uses of NASA resources and excellence in support of STEM education.



NASA Explorer Schools



The NES Virtual Campus will serve to deliver the following elements:

- 8-10 content modules, aligned to national standards and based on current NASA research and scientific discoveries
- Electronic professional development on NES content modules will help guide classroom implementation
- Blog and wiki features for teachers to share data sets and best practice with other educators nationwide
- Virtual Breaking News events, broadcasted on the Virtual Campus, of first-hand accounts of new discoveries and mission updates directly from NASA Scientists
- Multimedia interactions between students in the classroom and NASA Scientists through blogs and webcasts



2010 Space Grant Solicitation Reviews



* * * **These are NEW awards** * * *

- They are not progress reports, continuation proposals, or partial proposals
- The proposal must be able to stand on its own
- Initial reactions from the reviews:
 - References to “ongoing”, “continuing” programs without providing sufficient description of the effort
 - References to proposal only being part of full program
 - References to “cut backs”, “programmatically reductions”
 - Missing identification of efforts in support of Current Areas of Interest
- Will provide feedback and may request submission of a revised proposal



Space Grant – New Solicitation Highlights



- “Authentic”, hands-on Student Experiences
 - Active participation in science and engineering disciplines
 - Engaged in NASA, NASA-related industry, with NASA P.I.s
- Topical areas of interest
 - Aeronautics research
 - Environmental Science & Global Climate Change
- Engage middle school teachers
- Secondary students on college campuses
- Community College involvement
- Early career faculty
- Diversity – institutions, faculty, students
- Programmatic rigor and evaluation -- Goals, SMART Objectives, targets and metrics, formative and summative evaluation
 - Justify your investments



Additional Opportunities



- Summer of Innovation
 - proposals due 2/26/2010
- EPSCoR
 - Proposals due 2/26/2010
- CubeSat Launch Initiative
 - Proposals due April 15, 2010
- Global Climate Change Education (GCCE): Research Experiences, Modeling & Data
 - Proposals due April 28, 2010
- ESMD/Space Grant CAN
 - Proposals due April 5, 2010



Additional Opportunities



On the horizon

- Augmentation proposals for 2010 Space Grant
- Consortium Development Competition
- MUREP Solicitations
 - CIPAIR – Late March
 - NSTI-MI – Faculty Fellowship Component – open now until April 1



Consortium Coordination Session



- Office of Education Performance Measurement (OEPM) System