National Council of Space Grant Directors’ Meeting

Washington, DC

March 2, 2012

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Aeronautics Research and Career Development Program Manager
Discussion Topics

• External Environmental Influences for Space Grant
• Moving Money
• Annual Performance Document (APD) Submission
• Aerospace Research and Career Development - Who Does What?
• Consortia Kudos
• Results of the 2010 Consortium Development Competition (CDC)
• OEPM Update
External Environmental Influences for Space Grant

- Federal STEM Education Strategic Plan (Co-STEM)
- NASA Strategic Plan
- NASA Education Vision, Outcomes, Performance Goals
- NASA Education Portfolio Re-Design
- NASA Education Investment Strategies
Portfolio Design Team

The portfolio offerings incorporate design strategies, supporting elements, and funding sources to offer a comprehensive portfolio that meets the Agency’s priorities.

Portfolio Development Architecture

Integrated Portfolio Offerings

Design Strategies
- National Needs
- Innovative Pilots
- Competitive Opportunities
- Partnerships
- NASA-Unique

Supporting Elements
- Infrastructure
- Dissemination Networks
- Content Development
- Labor

Main Funding Sources
- OE MUREP
- OE Space Grant
- OE EPSCoR
- OE STEM Education and Accountability Projects
- Mission Directorates/OCT
- NASA Centers

Supplemental Funding Sources
- Internal/External Partners

STEM Engagement
1. Internships, Fellowships, and Scholarships
2. Educator Professional Development
3. Institutional Engagement
4. NASA-Unique
Moving Money

• Status of 2011 Augmentations
• 2011 Competitive Opportunity – Innovative Pilot in STEM Education
• Annual Performance Document (APD) Submission (2012 Base Award)
• 2012 Competitive Opportunity - TBD
Innovative Pilot in STEM Education

• Supports President Obama’s recent STEM Education initiatives
  – Increased Undergraduate Retention *(Engage to Excel report)*
  – Increased Qualified STEM Educators *(Prepare and Inspire report)*
• Open to all consortia
• 24-month period of performance
• No match requirement
• Partners – Affiliate and Non-Affiliate Partner Engagement
• Each proposal should seek to serve **either:**
  – First-year and sophomore STEM students in STEM (targeting students most at risk for attrition)
  – Junior and senior pre-service teachers to increase number of qualified STEM educators
• Anticipated solicitation release date: March 2012
• New Award (not augmentation to existing award)
• Up to two proposals per consortium
Guidance for Annual Performance Document (APD) Submission

• 2010 Annual Performance Documents posted on the NASA website in compliance with OMB gov’t transparency requirements
• Progress Reports/Annual Performance Document instructions to be sent to consortia next week!
  – Serves as your narrative progress report this year
  – Report on the comprehensive accomplishments from the base funds provided in FY 2011
  – Should clearly identify accomplishments based on the goals, objectives, and targets proposed in your base proposals
  – If you wish to make changes to the Year Three budget submitted in your 2010 proposal, this request must accompany the submission of your Progress Report/Annual Performance Document
  – Upon acceptable review of your APD and, if required, your revised budget, we will be able to initiate FY 2012 base funding
  – NEW listing of items in PROGRAM CONTRIBUTIONS: Student data and longitudinal tracking, diversity, minority-serving institution collaborations, NASA Education Priorities
  – Interest in pre-submission telecon?
Annual Performance Document
“Déjà vu, all over again…”

• PROGRAM GOALS
  – “Refer directly to the SMART goals and objectives described in your FY 2010 budget and proposal”

• PROGRAM/PROJECT BENEFIT TO OUTCOME (1, 2, & 3)
  – meaningful highlights (anecdotes)
  – highlighting student and/or project accomplishments

• PROGRAM ACCOMPLISHMENTS
  – Connect back to consortium annual performance goals and objectives
  – “Describe your success in terms of the metrics utilized to demonstrate the accomplishment of or progress toward meeting those goals.”

• NASA 2010 Education Priorities: Issue – were not addressed
Annual Performance Document

- IMPROVEMENTS MADE IN THE PAST YEAR
  - Succinctly describe improvements and/or adjustments made last year that demonstrate significant change(s) within the Consortium
  - Issue – activity highlights vs. improvements made; silence
- PROGRAM PARTNERS AND ROLE OF PARTNERS IN PROJECT EXECUTION
- Overall
  - Follow the template (categories were omitted, inclusion of tables, pictures, etc.)
  - Length
    • As one reviewer said: “sparse information cloaked in lengthy narratives”
  - Some NASA Education Objectives need to be tightened up:
    • If the objective is a %; must cite and provide increase over base
  - Some consortia simply used previous year’s report and template and changed the numbers
Aerospace Research and Career Development Team

**NASA Civil Servants**

- **Diane DeTroye** – Program Manager (FTE - 0.7, Space Grant; 0.2, EPSCoR)
- **Bryan Dansberry** – Acting Deputy Project Manager, Space Grant (FTE – 0.5, Space Grant)
- **Jeppie Compton** – EPSCoR Project Manager (FTE – 1.0, EPSCoR)
- **Frank Prochaska** – Steckler Project Manager

**Additional Contractor Staff**

- **Susan Stewart** (NRESS) – OEPM Liaison/User Interface (FTE – 1.0, Space Grant)
- **Crystal Bassett** (ReDe/Critique) – EPSCoR Project Coordinator (FTE – 1.0, EPSCoR)
- **Heather Ogletree** (San Jacinto College) – Steckler Project Coordinator

**Valador, Inc.**

- **Katie Pruzan** (Team Lead) (FTE - 0.5, Space Grant)
- **Dr. Warfield Teague** (FTE - 0.4, Space Grant; 0.4, EPSCoR)
- **LaTeicia Durham** (FTE - 0.7, Space Grant; 0.3, EPSCoR)
- **Aleksandra (Sasha) Korobov** (FTE - 0.5, Space Grant)
- **Michael Cherry** (FTE - 0.5, Space Grant)
- **Kevin Sadeghian**

**ARCD Fellows**

- Dr. J-M Wersinger
- Dr. Shan de Silva
Who Does What?
Space Grant – Core Duties

- Solicitation or initiative-specific information, please refer directly to instructions for appropriate personnel
- Program/Policy Guidance and Approvals: Diane DeTroye/Bryan Dansberry
- Program/Policy Information and Coordination: Katie Pruzan
- Grant Information/Documentation/Policy Info: LaTeicia Durham
- Project Coordination/IDMax: Sasha Korobov
- Data and Information Reporting: Michael Cherry
- OEPM Development/Implementation: Kevin Sadeghian
- OEPM User Interface: Susan Stewart
- Special Assignments/Projects: Warfield Teague
- Highlights/Anecdotes/General questions: The Space Grant mailbox: hq-space-grant@mail.nasa.gov

*While these are the general “buckets” of designated individual work, the entire team works collaboratively to contribute to Space Grant operations on a daily basis*
Who Does What?
Steckler

• Solicitation or initiative-specific information, please refer directly to instructions for appropriate personnel
• Project Policy Guidance/Approvals: Frank Prochaska
• Project Information and Coordination: Heather Ogletree
Contact Information

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- Heather Ogletree - heather.l.ogletree@nasa.gov
- Susan Stewart - sstewart@nasaprs.com
### Communications Survey

**Help Us (NASA)…**

- Utilize the NASA Grant Handbook to research answers to your grant questions
- Read and follow solicitation/initiative instructions carefully
- Use the Space Grant e-mailbox for interesting happenings, highlights, and items to contribute to the NASA Education WAR report (for both Space Grant and EPSCoR submissions)

**…Help You (You)**

- Add “Urgent” or “High Priority” to Subject Line if it is, in fact, **urgent**
- Include your grant number(s) in your email

**…and we can:**

- Acknowledge receipt of email
- Track requests with greater diligence
- Provide a monthly Space Grant update
  - **Suggestions on best way to handle this?**
Consortia Kudos!

- Thanks! to Ohio Space Grant Consortium for the Future Forum
- Congratulations! to consortia that had students participate in the IAC!
- Congratulations! CubeSat Launch Initiative Launches and Selectees!
Results of the 2010 Consortium Development Competition (CDC)

- Six awardees: Maine, New Jersey, Nevada, South Carolina, South Dakota and Vermont
- Approximately $1.1M distributed
- 157 direct student participants
- 115 students received direct funding
Results of the 2010 CDC

• **Maine:** Developed Maine Student High Altitude Platform (MeSHAP) to build the capacity for students to conduct aerospace experiments using sounding balloons and rockets.

• **Nevada:** Developed four higher education short courses

• **New Jersey:** Addressed four topic areas: 1) Aerospace Course Development; 2) Graduate Student Support 3) Princeton Sub-Orbital Flight Program and 4) TARGET Bridge Program for both high school and college students.
Results of the 2010 CDC

- **South Carolina:** Funded an experimental education development program, “Geospatial Institute for Students and Teachers” (GIST) in climate change.

- **South Dakota:** Implemented “Pathways to STEM” using First Lego League (FLL) programs as a recruitment, training and learning project to benefit students and teachers and increase awareness and interest of STEM and NASA careers.

- **Vermont:** Forged new research relationship with Lyndon State College, which may lead to this institution becoming a consortium affiliate. The 2010 CDC award also supported two graduate assistantships – one of which will be sustained through a UVM matching contribution.
OEPM Update

• Series of four training sessions, consisting of:
  – National Network
  – Pre/Post Management
  – Core Data
  – Re-cap
• Seven consortia representatives have been through the whole process: AZ, FL, HI, MD, NM, OR, VA and the Space Grant Foundation (Mark Fischer)
• NASA will use this information to improve training protocol

• THANK YOU!!...

... for service to the national network
Questions?