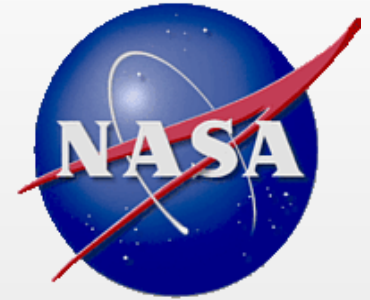


CONSORTIUM COORDINATION



NASA Space Grant Program Office Staff
February 28, 2014



Dr. Patricia M. Shaffer



Launch of the Five-Year Space Grant Evaluation (2010-2014)



2010-2014 Evaluation

- Focused on national program performance, but including state consortia performance review
- External evaluation with NASA OEID oversight

Past Evaluations

- Focused on state consortia performance
- Internal evaluation led by NASA Space Grant program team

This study builds on past SG 5-year evaluations while refining the evaluation design with stakeholder input.

Five-Year Space Grant Evaluation (2010-2014)



- Draft evaluation questions address the following topics:
 - Compliance with Public Law 100-147 and alignment with the priorities of NASA Education and NASA research and technology development
 - Program management practices, including the application and award process
 - Consortium-level and overall program impact
 - Identification of effective practices in consortia partnerships
 - Challenges, barriers, and constraints to obtaining high-quality results

SG Evaluation Phases*



Evaluation Planning

- Community consultation on evaluation questions, existing data sources, and past SG evaluation methods and rubrics
- Data quality assessment
- Evaluation planning



Data Collection & Analysis

- Collection and analysis of existing data held by NASA and other stakeholders
- Anticipate continuing some processes from past evaluations and introducing new processes



Reporting & Recommendations

- Comments period for draft report
- Community discussion of recommendations

STAKEHOLDER INVOLVEMENT

*This information is TENTATIVE, and for planning purposes only



Factors Influencing SG Evaluation Planning

- Joint purpose of program improvement and accountability
- Use of existing valid and reliable data that tell the Space Grant story
- Building on the methods of past evaluations
- Sensitivity to minimizing burden on stakeholders
- Involvement of Space Grant community

- *Anticipated Completion of Phase 3: May – July 2015*



Phase 1 Evaluation: Next Steps

- Procurement of external evaluator for Phase 1
- Recommendations from SG stakeholder groups for representatives to consult with evaluator
- Consultation process with stakeholder representatives on evaluation questions, existing data sources, and past SG evaluation methods and rubrics/metrics
- Follow-up with sample of SG stakeholders to review and assess existing data for viability for use in responding to the evaluation questions
- Development of evaluation plan

Michael Cherry





OEPM Reporting

- FY12 Reporting
 - Access
 - Student Award Profiles/Records
- FY13 Reporting Period
 - Pre-management: **Complete**
 - Post-Management/Activity Data: **May 16th**
- Bugs/Business Processes/FAQ's
- EPSCoR Onboarding

LaTeicia Durham





Space Grant Solicitations: 2010-14

2010:

- Space Grant (year 1) base award
- Congressionally-directed augmentation
- Consortium Development Competition

2011:

- Space Grant (year 2) base award
- Congressionally-directed augmentation

2012:

- Space Grant (year 3 & some year 4) base award



Space Grant Solicitations: 2010-14

2013:

- Space Grant (year 4 & some year 5) base awards
- Innovative Pilot Opportunity (for educators and student retention)

2014:

- Space Grant (remaining year 5) base awards
- Targeted Competitive Opportunity for Community Colleges and Technical Schools

New Space Grant Solicitation



Business Processes

No-Cost Extensions (NCE)- The program office is expecting NCE requests from most consortia in 2015.

Submit requests electronically

<https://www.nssc.nasa.gov/nocostextension>.

Final Regs on Grants and Cooperative Agreements

- OMB Circular A-110 relocated to **2CFR, Part 215**: Uniform Administrative Requirements for Grants and Other Agreements w/ Institutions of Higher Education, Hospitals and Non-profits.
- OMB Circular A-21 relocated to **2CFR, Part 220**: Cost Principles for Education Institutions
- http://www.whitehouse.gov/omb/circulars_default/



Business Processes

Budgets

- Budget Revisions (See guidance document from Program Office)
- Pay attention to labor costs. If labor costs for grants exceed 100%, the grant will be flagged for review
- Make sure internal controls are in place
- Monitor the draw-down of funds
- No de-obs/ re-obs



Program Office Improvements

- **Increased communication with SG consortia** (via e-blasts, website, telecons, reviewer briefings, director's orientation, etc)
- **More efficient review and award process**
- **Increased transparency**
- **Flexible and scalable program** (program can be adjusted with changes of budget, national and agency priorities)
- **Data Collection in OEPM**

Theresa M. Stanley





Recipient

- Complete proposed work
- Send in reports in a timely fashion as indicated by the Required Publications and Reports sheet in the award documents
- Draw down in accordance with procedures
- Be prepared for obtaining an A-133 audit (If recipient has expended \$500,000 or more in Federal Funding in a year)
- Comply with 2 CFR Part 220 (OMB Circular A-21) Cost Principles for Educational Institutions
- Comply with 2 CFR 215 Uniform Administrative Requirements

<http://www.whitehouse.gov/sites/default/files/omb/assets/omb/circulars/a110/2cfr215-0.pdf>



Recipient

- Obtain Grant Officer approval for changes to work, key personnel, and budget as required (See Subpart 1260.125)
http://prod.nais.nasa.gov/pub/pub_library/grcover.htm
- However, some re-allocation is allowed: Subpart 1260.72 in the Grant and Cooperative Agreement Handbook states:
 - § 1260.72 Adherence to original budget estimates.
 - (a) Although NASA assumes no responsibility for budget overruns, the recipient may spend grant funds without strict adherence to individual allocations within the proposed budgets, except that recipients must comply with prior approval requirements for property and subcontracts as provided in § 1260.27 and 1260.33.
 - (b) The revision of budgets and program plans are covered in § 1260.125.



Approval

- Prior approvals are required from Grant Officer for:
 - Equipment costs (in excess of \$5,000) not original proposed
 - When awarding a subcontract/subaward for any work not originally proposed
 - Foreign travel not originally proposed
 - Changes in scope or objective of the project/program
 - Change in key persons specified in proposal or award document
 - Absence greater than three months, or a 25% reduction in time by PI
 - Need of additional funding
 - Transfer of funds allotted for training allowances (direct payment to trainees) to other expense categories
 - Required by OMB Circulars 2 CFR Part 220



Report Reminders

- A reminder will be generated 90 days prior to anniversary date
 - The reminder is sent to the Technical Officer, PI, and the Grant Officer
- If the report is not received:
 - A delinquent notice is sent a week after the report due date
 - A second delinquent notice is sent a week later
 - A third delinquent notice a week later
 - A week later it is elevated to the Grant Officer
- Example:
 - Anniversary date: 5/16/2014
 - Report due date: 3/16/2014 (60 days prior to the anniversary date)
 - Reminder is sent: 2/16/2014 (90 days prior to the anniversary date)
 - Delinquent notice: 3/23/2014 (one week after report due date)
- Reports should be sent to the Technical Officer and the NSSC at
 - nssc-grant-report@mail.nasa.gov



Budget and Budget Justification/Detail

- Direct Labor
 - Level of effort and separate breakout of fringe for all categories
- Rates
 - Indirect and Fringe Rates should not be higher than the negotiated rates
 - If no agreement, then need basis of computation and/or other grants/contracts of federal agencies with same rates
- Travel
 - Number of trips, travelers per trip, destination, and duration
 - Breakdown of costs: airfare, lodging, meals, ground transportation, registration fee
 - Separate domestic and foreign



Budget and Budget Justification/Detail

- Equipment
 - Description, breakdown of costs, basis of estimate (i.e., quotes)
- Subcontractor
 - Statement of work and Budget with detail
- Supplies and Materials
 - Description, breakdown and basis of estimate (ie., quotes, internet research)
- Publications
 - Estimated number of publications, cost per page and color figures
- Other cost
 - Identified and broken out



Examples of Unallowable Costs

- Alcoholic Beverages (Unallowable)
- Foreign Research (Unallowable)
 - NASA funding may not be used for foreign research efforts at any level, whether as a collaborator or a subcontract.
 - The direct purchase of supplies and/or services, which do not constitute research, from non-U.S. sources by U.S. award recipients is permitted.
- Cost incurred in the work of another Grant (Not Allocable)
- Cost of \$6,000 for one person for two day/one night trip from Dallas to Houston, TX (Not Reasonable)

Sasha Korobov





Telling Your Story

- Twitter
 - @NASA_SpaceGrant
 - @NASAedu
 - @NASA
- WAR
- NASA Express
- Data Calls
- Website





Website

- Scrolling Gallery
- NASA Ed Page
- Twitter Feed
- Express Sign-Up
- Streamlined Information
- Story Submission Information
- Active Solicitations

 This is a screenshot of the NASA Space Grant website homepage. The top navigation bar includes links for NEWS, MISSIONS, MULTIMEDIA, CONNECT, and ABOUT NASA. Below this is a search bar and a secondary navigation bar with links for "For Public", "For Educators", "For Students", and "For Media". The main content area is divided into several sections:

- Space Grant**: Includes links for "About the Program", "Consortium Websites", and "Directors by State".
- NASA Education**: Features a photo of a student and text about visiting the NASA Education Website to discover information for students and educators. It includes links for "For Students", "For Educators", and "Office of Education".
- Career Information**: Includes a photo of a student and text about using the page as a starting point to learn about jobs at NASA. A link "View site" is provided.
- Student Ambassadors**: Includes a photo of a student and text about NASA's student ambassadors.
- Space Grant In Action**: A large section featuring a photo of a student kneeling in a desert with a sounding rocket. The caption reads "California Student Tests Sounding Rockets in the Mojave -- 3 of 5 images". There are navigation arrows and a "Show Captions" dropdown.
- NASA Wants to Tell Your Space Grant Story!**: A section with text: "Across the country, NASA Space Grant engages students, teachers, organizations and communities in science, technology, engineering and mathematics, or STEM, experiences. NASA needs to hear from you, the implementers of the program, about how Space Grant programming is affecting lives and shaping the future of STEM research. Approved submissions will be shared on the Space Grant Website. Help NASA tell your Space Grant story and submit your input today!"
- Connect with Space Grant**: Includes a link to "Space Grant on Twitter" and a "Follow" button.
- Tweets**: A section showing two tweets. The first is from John Grunsfeld (@SciAstro) about NASA Kepler and new confirmed planets. The second is from NASA Education (@NASAEdu) about STEM research projects live via @NASADLN.
- EXPRESS Email Sign-up**: A section with the text "Sign up and receive announcements about NASA's education programs, activities and events." and a prompt "Enter your e-mail address below:".



NASA EXPRESS

- The NASA Education EXPRESS updates from NASA and STEM associates about workshops, internships and fellowships; applications for grants or collaborations; promotions for student and educator opportunities; online professional development; and other announcements.

Subject: NASA Education Express Message -- Feb. 27, 2014

Pennsylvania Space Grant Workshops

Keep pace with the latest science research, engage in standards-based classroom activities and explore ways to make science fun while working with Penn State faculty during these summer workshops for in-service science, technology, engineering and mathematics, or STEM, educators. Network with peers and earn graduate credits. Workshops are aligned with the national science education standards and Pennsylvania standards for science and technology.

All workshops take place on Penn State University Park campus facilities in Pennsylvania. Grants are awarded to all participants to cover lodging, parking and partial tuition.

Applications for all workshops are due **March 16, 2014**.

*On February 27th, the EXPRESS message was sent to **19,157** EXPRESS subscribers, **23.6 thousand** NASA Education Twitter followers and **5.97 million** NASA Twitter followers. Through the use of social media, the EXPRESS message has been shared with approximately **6.01 million people**.*

Dr. Warfield Teague





Annual Performance Data Reports

Narrative reports required 60 days prior to the award anniversary date each year.

- Used by ARCD to:
 - Evaluate performance of Consortia – excellence and weaknesses
 - Present information to the public through Office of Ed webpage
 - Provide specific consortium information for visits, calls, etc.
 - Roll up performance data for reports to Office of Education and NASA management offices
 - Extract data and narratives to respond to requests from Congress, White House, and evaluation agencies



How to Write a Good APD Report

- Follow the directions – so read them. Some changes each year.
- Look through the template and follow it. Some changes each year.
- Include all sections (see the next slide).
- No tables, pictures, etc. – just narrative.
- Please do not change the formatting except where instructed (Program Description)
- Microsoft Word document only – pdf files are not acceptable



Annual Performance Data Reports Template

- PROGRAM DESCRIPTION
- PROGRAM GOALS
- PROGRAM/PROJECT BENEFIT TO OUTCOME (1,2,& 3)
- PROGRAM ACCOMPLISHMENTS

Outcome 1: Contribute to the development of the STEM

Outcome 2: Attract and retain students in STEM – mostly teacher prep

Outcome 3: Build strategic partnerships and linkages between STEM formal and informal



Annual Performance Data Reports Template

- PROGRAM CONTRIBUTIONS TO NASA EDUCATION PERFORMANCE MEASURES
- **Student Data and Longitudinal Tracking**
- **Diversity:** of institutions, faculty, and student participants (gender, underrepresented, underserved)
- **Minority Serving Institution Collaborations:** Summarize interactions.
- **NASA Education Priorities:** *Accomplishments related to the “Current Areas of Emphasis” stated in the 2010 Space Grant solicitation. Report on areas that apply to work proposed in your proposal and budget*



Annual Performance Data Reports Template

- **IMPROVEMENTS MADE IN THE PAST YEAR**
Describe significant change(s) within the consortium

- **PROGRAM PARTNERS AND ROLE OF PARTNERS IN PROJECT EXECUTION**
List the institutions that comprise the consortium



APD Report Review Debriefing

- In response to your requests, we are developing a debriefing mechanism.
- Details soon!



Consortia Kudos!

- Contributions and workshops featured in NASA Express, the WAR and website
- ECC Participation with Charlie Bolden
- Cubesat Selectees – RI, NM, MI, FL
- DC Space Grant
- OEPM Participation

Thank You!

