National Council of Space Grant Directors' Spring Meeting

Hosted By: District of Columbia Space Grant Consortium

Westin Crystal City Hotel, Arlington, VA

NASA HQ Space Grant Program Office Update

Lenell Allen, Ph.D.
Program Manager
March 3, 2017

Aerospace Research & Career Development Staff

– **Space Grant:**

- **Dr. Lenell Allen – Program Manager**
- **Ms. Kim Butler – Office of Education Budget Analyst**
- **Mr. Michael Cherry – Program Analyst (Valador)**
- **Mrs. LaTeicia Ford – Program Analyst & Grant Specialist (Valador)**
- **Dr. Sonya L. Greene – Senior Program Analyst (Valador)**
- **Dr. Frank McDonald – Senior Program Analyst (Valador)**

– **Experimental Program to Stimulate Competitive Research (EPSCoR):**

- **Mr. Jeppie Compton–Project Manager (KSC)**
- **Ms. Crystal Bassett–Program Coordinator (KISS III, KSC)**

Overview – Discussion Topics

- Introduction of Aerospace Research and Career Development (ARCD) Staff and NASA Representatives
- Space Grant Program Office Policy Updates
  - 14 Code of Federal Regulations (CFR) Part 1259 – Definitions for Fields, States & Fellowships
  - Definitions for NASA Internships, Fellowships and Scholarships (NIFS) Awards
- Drawing Down Funding from NASA
- Space Grant 2016 Office of Education Performance Measurement (OEPM) Data
- On the Horizon
  - National Evaluation Update
  - 2017 Fiscal Climate
- 2017 and 2018 Fall National Meetings Dates and Locations
- Space Grant New Directors
  - In Place (Oklahoma and Texas)
  - Near Future (Minnesota, North Carolina and Wyoming)

Space Grant Program Policy Update
14 Code of Federal Regulations (CFR) Part 1259

14 CFR Part 1259.100(a): Policies, Responsibilities & Procedures

- ***Establishes*** the policies, responsibilities and procedures relative to the National Space Grant College and Fellowship Program established by Title II of the National Aeronautics and Space Administration Authorization Act of 1988 (Pub. L. 100–147, Oct. 30, 1987, 101 Stat. 869–875, 42 U.S.C. 2486).

14 CFR Part 1259.101(a): Field Definitions

- ***Field related to space*** means any academic discipline or field of study (including the physical, natural and biological sciences, and engineering, space technology, education, economics, sociology, communications, planning, law, international affairs and public administration) which is concerned with or likely to improve the understanding, assessment, development and utilization of space.

14 CFR Part 1259.101(m): State Definitions

- ***State*** means any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the **Virgin Islands**, **Guam**, American Samoa, the Commonwealth of the Northern Mariana Islands, or any other territory or possession of the United States.

Space Grant Program Policy Update
14 Code of Federal Regulations (CFR) Part 1259.503(a)

14 CFR) Part 1259.503(a): Fellowships

- "**Fellowships shall be awarded only to Nationals of the United States**." While the regulations do not define the term "fellowship," as a policy matter, NASA has determined that the term also includes scholarships and internships. **A "National of the United States" is defined at 14 CFR Part 1259.101(c) as "a citizen of the United States or a native resident of a possession of the United States.** It does not refer to or include a citizen of another country who has applied for United States citizenship." Therefore, a student, faculty member, or educator receiving a NASA Internships, Fellowships, or Scholarships (NIFS) grant award shall be a "National of the United States."

14 Code of Federal Regulations (CFR) Part 1260.12(c)(3) (iii)

- Students and faculty receiving direct support under a NASA training grant must be U.S. citizens.
- **Is no longer a valid regulation; it has been rescinded.**

Definitions of NASA NIFS Awards

- **Internships** are educational hands-on traineeships that provide unique NASA-related research and operational experiences for educators and high school, undergraduate, and graduate students. Internships integrate participants with career professionals emphasizing mentor-directed, degree-related, work-place task completion. NASA internships must consist of at least 400 contact hours (320 for H.S. students or teachers) of mentored, degree-relevant, work-activity.
- **Fellowships** are designed to support independently conceived or designed research by highly qualified faculty, and graduate students, in disciplines needed to help advance NASA's missions; thus affording the students the opportunity to directly contribute to advancements in NASA's STEM-related areas of study or STEM Education fields. NASA fellowship opportunities are focused on innovation, and generate measurable research results which contribute to NASA's current and future science and technology goals.
- **Scholarships** provide financial support to undergraduate and graduate students pursuing science, technology, engineering, and mathematics (STEM) degrees and provide the opportunity for students to deepen their inquiry within STEM through a myriad of channels including a research experience, technical collaborations and professional development.

Drawing Down Funds From NASA

- The NASA Shared Services Center (NSSC) will be closely monitoring the frequency of drawing down or invoicing grant funds. **The NASA HQ Space Grant Program Office will send letters to Consortia with significant "Balances Left To Draw Down."**

- Lead institutions must work closely with affiliate institutions and sub-contractors to have timely invoicing of project activities and labor.

- The NSSC reserves the right to place a hold on financial accounts with large balances and no explanation for delays in drawing down funds.

- The success of timely drawdowns of money is highly dependent on every collaborator in the consortium contributing to the overall success of the financial and grant reporting process.

No-Costs Extensions (NCE)

- **Officially request NCEs here:** https://www.nssc.nasa.gov/nocostextension

- NCE Request - Submitted no earlier than 6-months and no later than 10 days before the established expiration date of the award.

- **Example:** Space Grant award will expire on July 31, 2018.

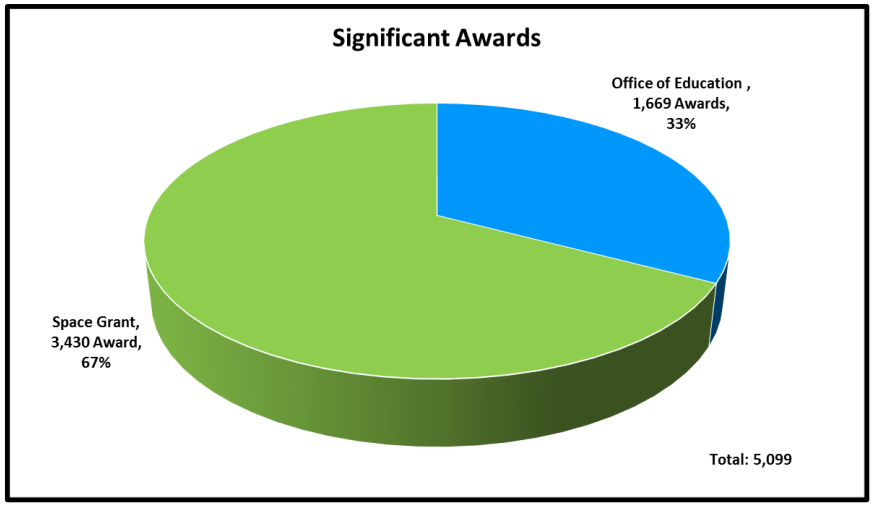
  - 1st NCE request - No earlier than January 31, 2018.

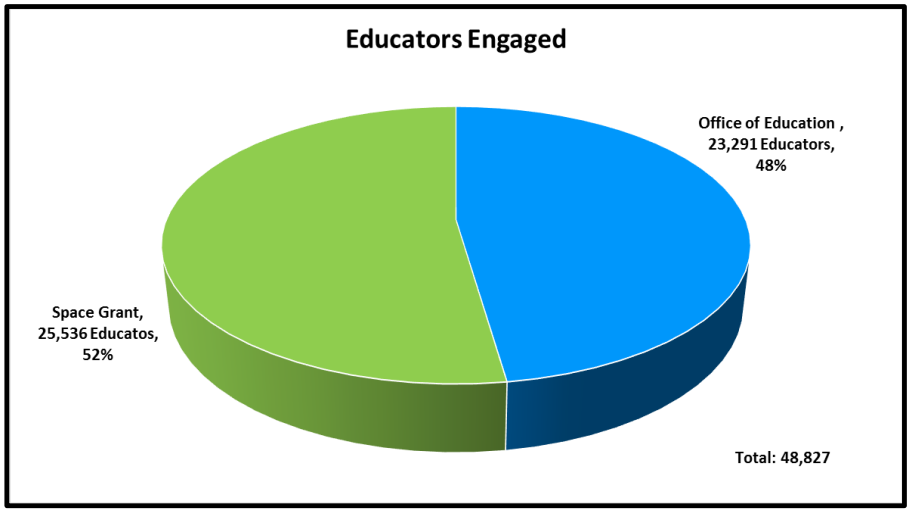
Space Grant Contribution to OE FY2016 API's

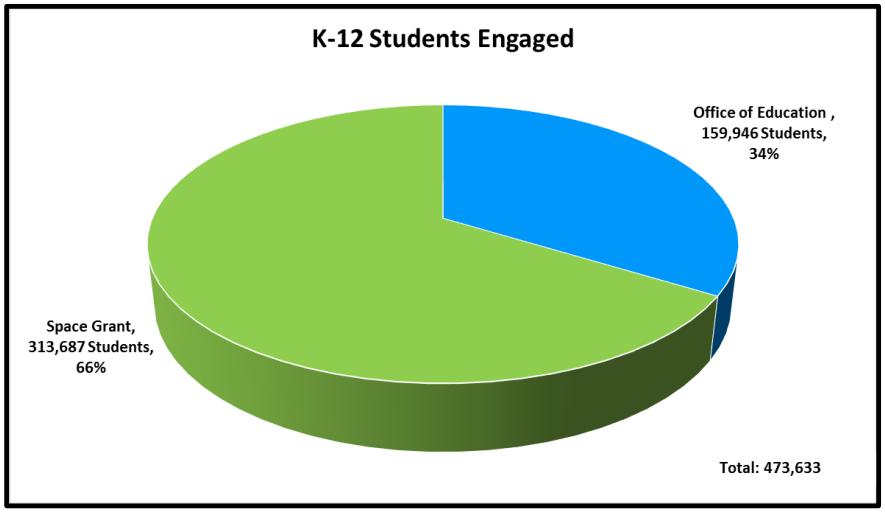
Annual Performance Indicator (API)	Office of Education Result	Space Grant Result	Space Grant Contribution to the OE Result
Provide significant, direct student awards in higher education to (1) students across all institutional categories and levels (as defined by the U.S. Department of Education); (2) racially or ethnically underrepresented students, (3) women, and (4) persons with disabilities at percentages that meet or exceed the national percentages for these populations, as determined by the most recent, publicly available data from the U/S/ Department of Education's National Center for Education Statistics for a minimum of two of the four categories.	5,099 Significant Awards	**3,430** Significant Awards	**67%**
Engage with at least **80,000** educators in NASA- supported Professional development, research, and internships that use NASA-unique STEM content.	48,827	**25,536**	**52%**
Maintain the NASA Museum Alliance and/or other STEM education strategic partnerships in no fewer than 30 states, U.S. territories, and/or the District of Columbia.	52 U.S. States and Territories	52 U.S. States and Territories	**Met**
Engage with at least **750,000** elementary and secondary students in NASA STEM activities.	473,633	**313,687**	**67%**

Note: NASA Education reports on prior year data. Data are based on the 2015–2016 academic calendar.

Space Grant Contribution to OE FY2016 API's







Note: NASA Education reports on prior year data. Data are based on the 2015–2016 academic calendar.

Space Grant Female & Underrepresented Minority Contribution to OE FY2015 & FY2016 Significant Awards

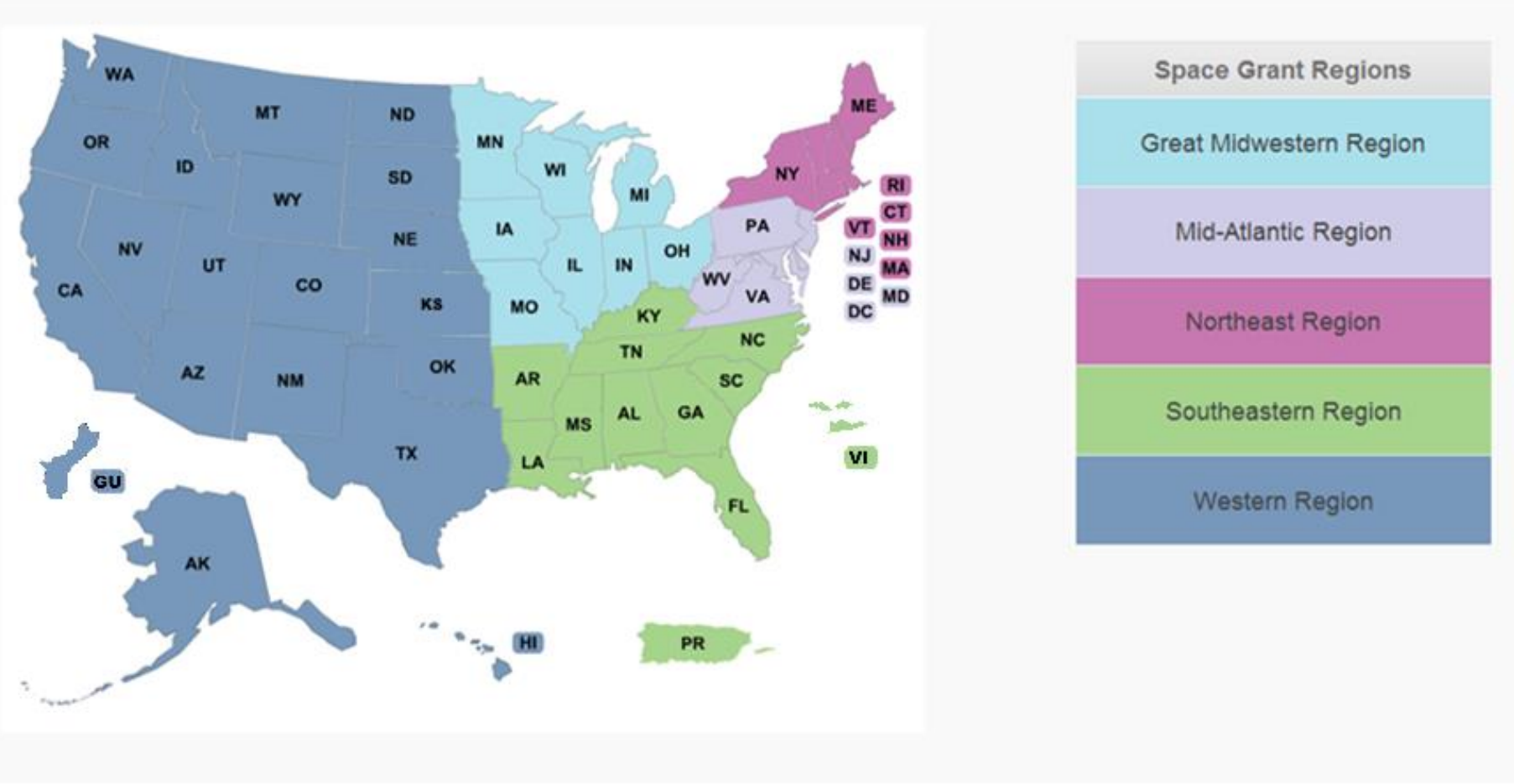
Female and Underrepresented Minority Students (as a subset of all Significant Awards)	Office of Education Result	Space Grant Result
FY2016 Female Student Significant Awards	39%	41%
FY2015 Female Student Significant Awards	38%	38%
FY2016 Underrepresented Student Significant Awards	28%	28%
FY2015 Underrepresented Student Significant Awards	26%	22%

Note: NASA Education reports on prior year data. Data are based on the 2015–2016 academic calendar.

On the Horizon and 2017 Fiscal Climate

- **Space Grant "External Evaluation" Update**
  - On Track – Waiting on announcement of new Office of Education (OE) Evaluation Manager
- **Space Grant "New 5-Year Base Award" Solicitation"**
  - On Track – Anticipated Release Date – June of FY2017
- **Appropriations Funding Levels: House and Senate**
  - Space Grant: $40M
  - EPSCoR: $18M
  - **Continuing Resolution Until April 28, 2017**
    - Waiting on NASA Appropriation for the final Space Grant and EPSCoR Budgets

Space Grant 2017 and 2018 Fall National Meetings



- **Fall 2017 – Grand Forks, North Dakota – (Sept. 14-16, 2017)**
- **Fall 2018 – Stowe, Vermont – (Sept. 13-15, 2018)**

Space Grant Directors Changes

Since the Fall 2016 Regional Meetings - 6 SG Director Changes:

- **In Place:**
  - Oklahoma
  - Texas
- **Near Future:**
  - North Carolina
  - Minnesota
  - Wyoming

New Shoes to fill…

Oklahoma: Dr. Andy Arena

Former Director: Dr. Victoria Duca-Snowden

PhD: Aerospace Engineering, University of Notre Dame, Notre Dame, Indiana, 1992
MS: Aerospace Engineering, University of Notre Dame, Notre Dame, Indiana, 1990
BS: Aerospace Engineering, University of Arizona, Tucson, Arizona, 1987

- *NASA Oklahoma Space Grant / NASA EPSCoR Positions*
- 2005-Present: Deputy Director, NASA Oklahoma Space Grant Consortium/EPSCoR (OSGC)
- 1996-2005: Associate Director, NASA Oklahoma Space Grant Consortium/EPSCoR (OSGC)

Texas: Dr. Timothy Urban

Former Director: Dr. Wallace Fowler

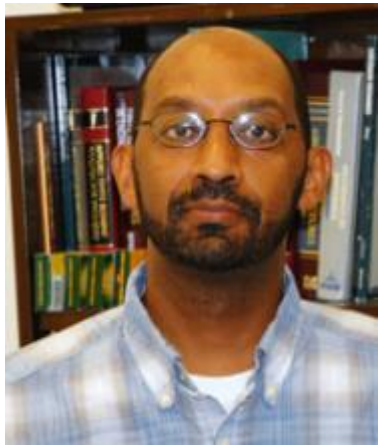
Ph.D. Aerospace Engineering, University of Texas at Austin, 2000
M.S. Aeronautical & Astronautical Engineering, University of Illinois - Urbana/Champaign, 1993
B.S. Aeronautical & Astronautical Engineering, University of Illinois - Urbana/Champaign, 1991

- Associate Director, Texas Space Grant Consortium 2016-Present
- Research Associate, Center for Space Research, The University of Texas at Austin, (2008-Present).
- Research Engineer/Scientist Associate IV, Center for Space Research, The University of Texas at Austin, 2000-2008

Minnesota Interim Director - Dr. Demoz Gebre-Egziabher

Former Director: Dr. William L. Garrard

B.S., Aerospace Engineering, University of Arizona, Tucson, 1990
M.S., Mechanical Engineering, The George Washington University, D.C., 1996
Ph.D., Aeronautics and Astronautics, Stanford University, Stanford, 2002



- Professor Gebre-Egziabher's area of research is in navigation, guidance and control of aerospace vehicles.
- He has had experience at Naval Sea Systems Command and Stanford University.

North Carolina Interim Director: Dr. Susan White

Former Director: Dr. Chris Brown

Ph.D. Marine Science, University of Georgia (2004)
B.S. Biology, Duke University (1997)

- Executive Director for the North Carolina Sea Grant (NC Sea Grant) and the Water Resources Research Institute (WRRI) for the University of North Carolina.
- Previously was Director of the National Oceanic and Atmospheric Administration's (NOAA) Hollings Marine Laboratory in Charleston, S.C.
- Formerly the national research coordinator for NOAA's Estuarine Reserves Division and National Estuarine Research Reserve System, she has served on national and regional steering committees on topics including technology transfer, integrated drought monitoring and early warning, and climate's connections to health.

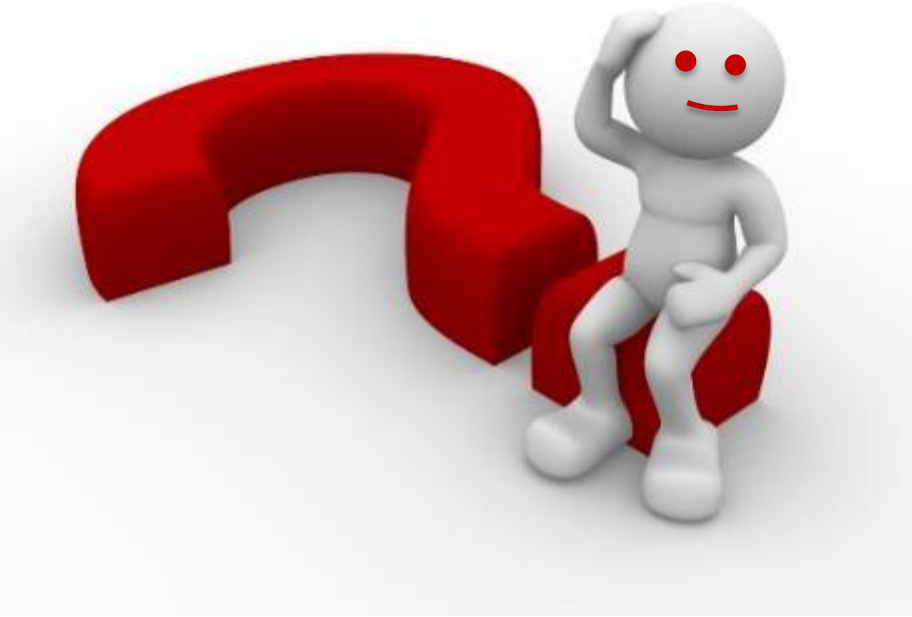
Wyoming Interim Director: Dr. Shawna McBride

Former Director: Dr. Paul Johnson

B.S. in Biology, University of Wyoming, 1995
M.S. in Zoology and Physiology, University of Wyoming, 2003
Ph.D. in Neuroscience, University of Wyoming, 2008

- Program Coordinator, UW Science Posse – K12 STEM Outreach Program NSF GK-12 and NIH SEPA Funded Program, Univ. of Wyoming, 2008 – 2009
- Associate Director, Wyoming NASA Space Grant Consortium, Univ. of Wyoming, 2008 – 2017
- Associate Director, Wyoming NASA EPSCoR, Univ. of Wyoming, 2010 – 2017

Questions



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