

The background features a large, light blue circular NASA logo. The logo includes the word "NASA" in white, bold, sans-serif capital letters, with a white swoosh underneath. The background of the logo is filled with small white stars and a white orbital path. A red, curved swoosh, similar to the one in the NASA logo, is overlaid on the entire slide, starting from the bottom left and curving towards the top right.

NASA Kentucky

Space Grant Consortium and EPSCoR Programs

Program Status 2010 – 2011

Suzanne Weaver Smith, Director
Janet K. Lumpp, Associate Director

Agenda

- Snapshot from May 24, 2010
- WKU Transition Funding Awards
- RFP-11-001 Space Grant Programs
- RFP-11-002 EPSCoR Programs
- Office Renovations
- Business Items
- Outlook
- EPSCoR RA Presentations

One Year Ago...

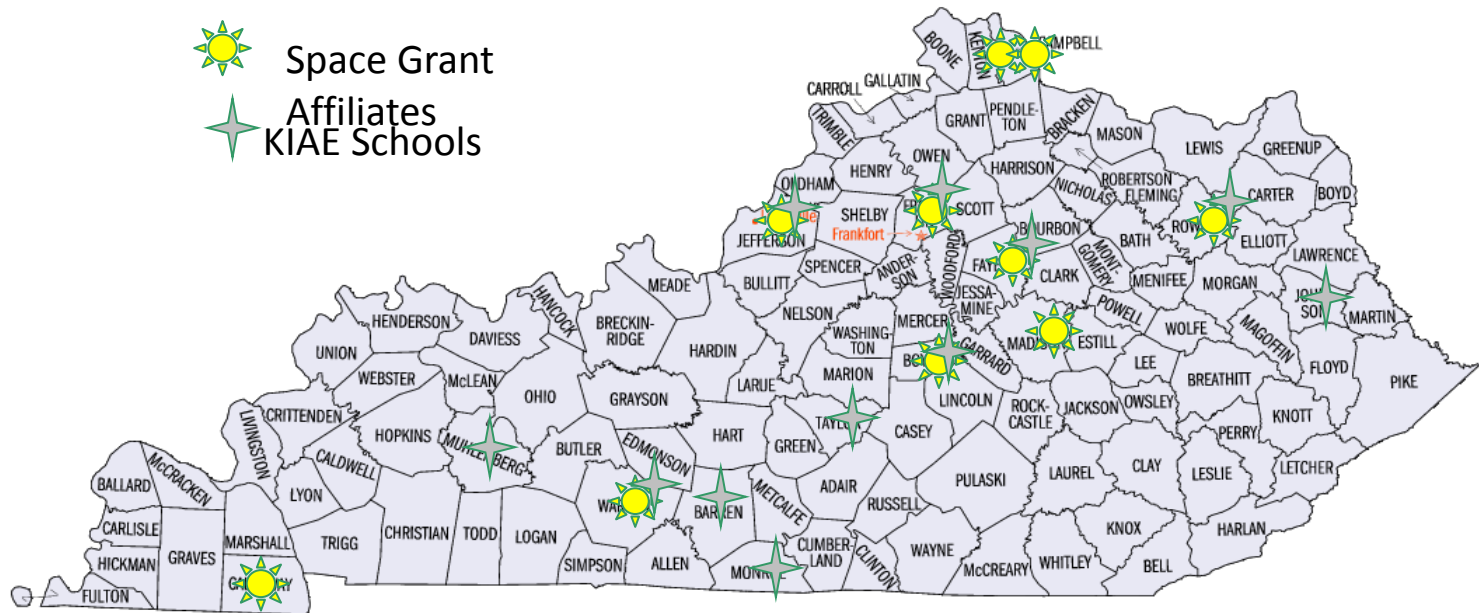
- Proposals Submitted
 - Space Grant 5 Years
 - 2 EPSCoR Research Area, 3 Years each
- Proposals in Preparation
 - EPSCoR RID 2 Years
 - Space Grant Augmentation 1 Year
- 2 Directors + 2 Staff working in 4 buildings
- Operating on Transition Award from WKU

Transition Funds

- Summer 2010
 - NASA Summer Interns – 3 (UK\$) + 3 (WKU\$)
 - Workshop Participants – 7
 - Bridge Fellowships – 8
- Academic Year 2010/2011
 - Student Travel
 - SSEP for the Academy@Shawnee
 - KIAE Wing Design Competition



 Space Grant
 Affiliates
 KIAE Schools



05/26/11

KY EPSCoR

NASA Breakout

RFP-11-001 Categories

- Faculty
 - Research Initiation Awards (RIA)
 - Course Development/Revision (CDR)
- Students
 - Graduate Fellowships (GF)
 - Undergraduate Scholarships (US)
 - Team Projects (TP)
- Precollege Programs and Science Centers
 - Mini-Grants (MG)

Indirect Costs and Cost Share

| Program | Maximum Award | Indirect Costs | Required Match |
|---------|---------------|----------------|---|
| RIA | \$15,000 | Allowed | 1:1 |
| CDR | \$2,000 | Allowed | 1:1 |
| GF | \$30,000 | Not allowed | 1:1 which includes 12.5% faculty FTE |
| US | \$6,000 | Not allowed | 0.5:1 |
| TP | \$10,000 | Not allowed | 0.5:1 |
| MG | \$5,000 | Allowed | 0.5:1 |

Proposal Review Process

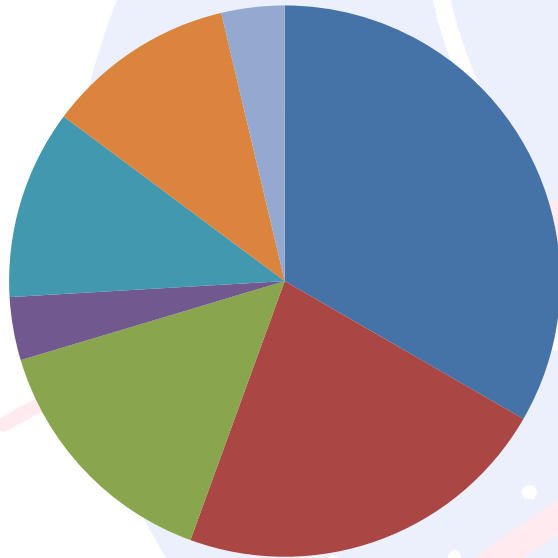
- Due by email on October 8, 2010
- Proposals Received – 42
- Compliance Check – 4 rejected without review
- Reviewers
 - Affiliate Representatives
 - External Content Experts
- Scores, rankings and available funds
- Dinner review meeting on November 5, 2010
- Awards in force by January 1, 2011

RFP-11-001 Awards

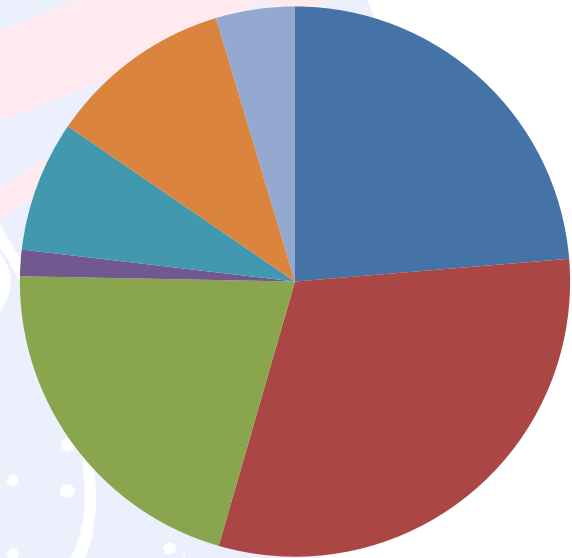
| Program | Received | Awarded | Total \$ Awarded | Total \$ with Cost Share |
|---------|----------|---------|------------------|--------------------------|
| RIA | 13 | 8 | \$120,000 | \$240,000 |
| CDR | 4 | 2 | \$4,000 | \$8,000 |
| GF | 7 | 4 | \$113,000 | \$226,000 |
| US | 5 | 5 | \$30,000 | \$45,000 |
| TP | 3 | 3 | \$22,000 | \$33,000 |
| MG | 10 | 5 | \$25,000 | \$37,500 |
| Totals | 42 | 27 | \$314,000 | \$589,500 |

Award Distributions

Number of Awards



Total Value of Awards



- WKU
- UofL
- UK
- TMC
- MuSU
- MoSU
- ECU

Summer 2011 - Students

- NASA Summer Interns
 - Scott Ashcraft, UK, Glenn
 - Barrett Tirey, UK, Langley
 - Alec Lewis, Georgetown College, Langley
 - Luis Urbina, KSU, Dryden
 - Katie Brown, MoSU, Goddard
 - Carolina Rojas Ramirez, Hopkinsville CC, Langley
- One Stop Shopping Initiative
 - SOLAR – 42 KY applicants intern.nasa.gov
 - Academy App www.academyapp.com
 - LARSS – 6 KY applicants www.nianet.org/larss

Summer 2011 - Faculty

- RockOn!
 - June 18-23
 - NASA Wallops Flight Facility, VA
- Academic High Altitude Conference & Workshops
 - June 20-24
 - Iowa State University, Ames, IA
- ULSI Advanced Rocketry Workshop
 - July 6-9
 - Huntsville, AL
- Helicopter Workshop
 - July 10-15
 - Central Connecticut State University, New Britain, CT

RFP-11-002 Categories

- Research Infrastructure Dev. Grants (RIDG)
 - \$40,000 , Indirect Costs Allowed, 50% Cost Share
 - 13 Received, All Compliant
 - 2 Full, 2 Partial Awards
 - Start June 1, 2011
- Research Area Pre-proposals
 - 11 Notices of Intent
 - 9 Pre-proposals Received
 - 2 Non-compliant
 - 2 Developed into Full Proposals
 - NASA - \$750,000, 3 years
 - KY EPSCoR - \$300,00, 3 years
 - Cost share at least 50%

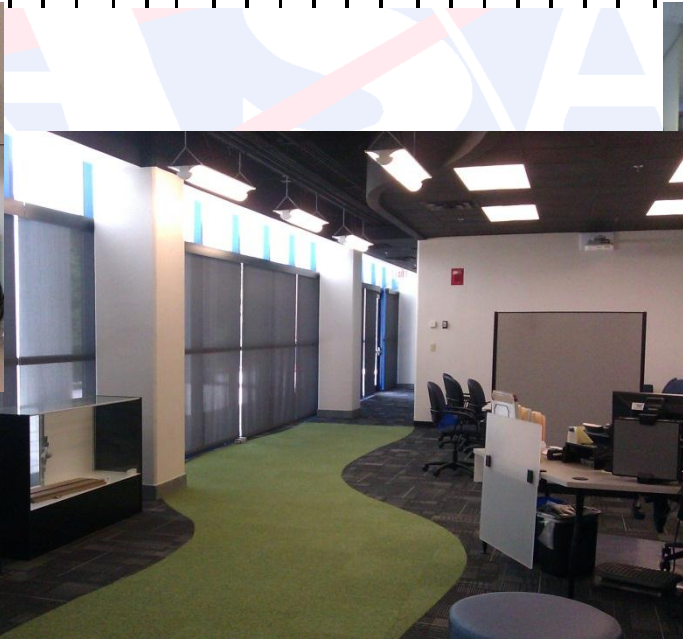
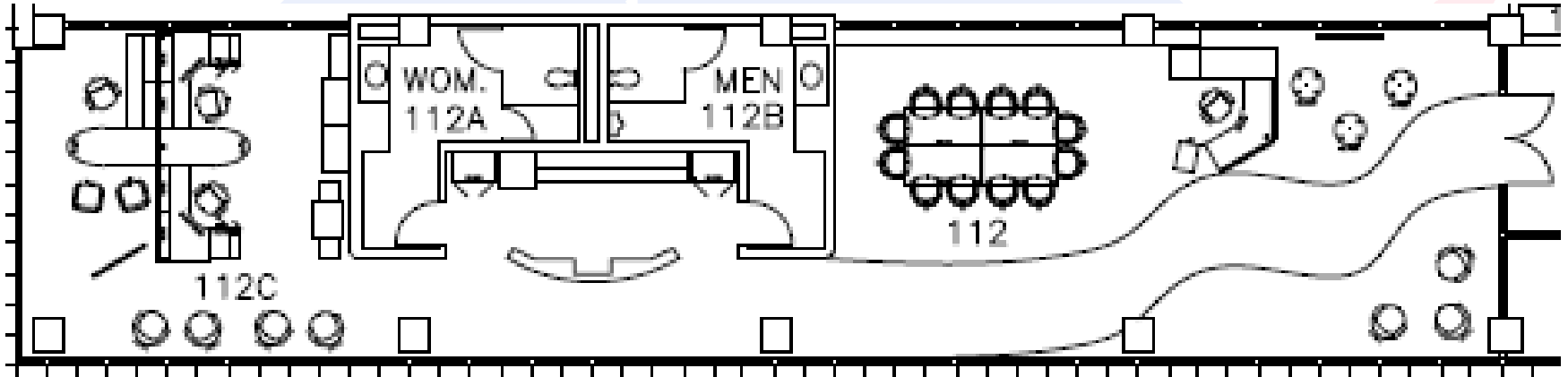
2011 RA Proposals

- Dr. Robert Keynton, Science PI, UofL
 - Lab-on-a Chip Platform to Diagnose Acute Radiation Exposure in Astronauts
- Dr. Haluk Karaca, Science PI, UK
 - Shape Memory Alloys for High Temperature and Surface Morphing Applications in Aerospace Industry
- Submitted March 11, 2011

New Funding Categories

- Space Grant
 - Undergraduate Student Travel - \$500/person/trip
 - Industry/Observatory Summer Internships
- EPSCoR
 - Seminar Series - \$500 - 1,000
 - Workshop - \$1,000 – 3,000

Office Renovations



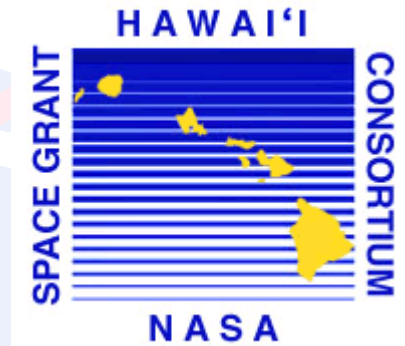
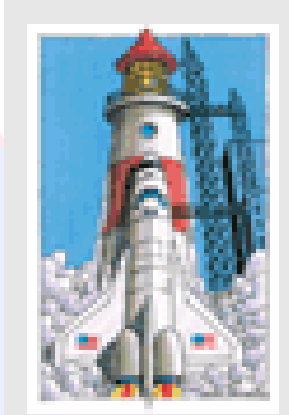
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KY EPSCoR

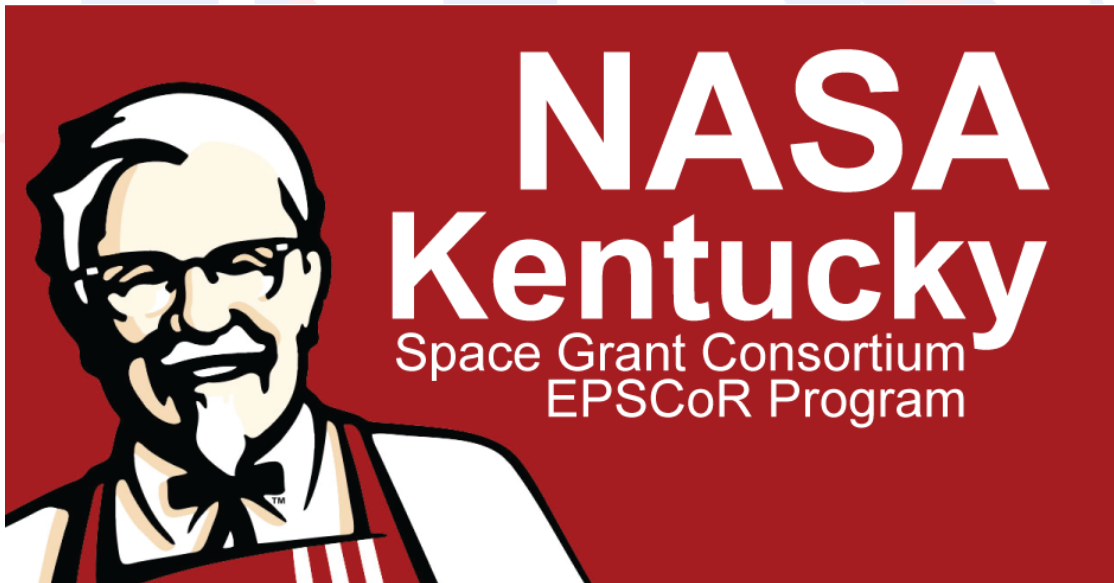
Next Telecon Business Items

- By-Laws
 - Affiliate Representatives
 - New Affiliate Members

- Logo



Quintessential Kentucky



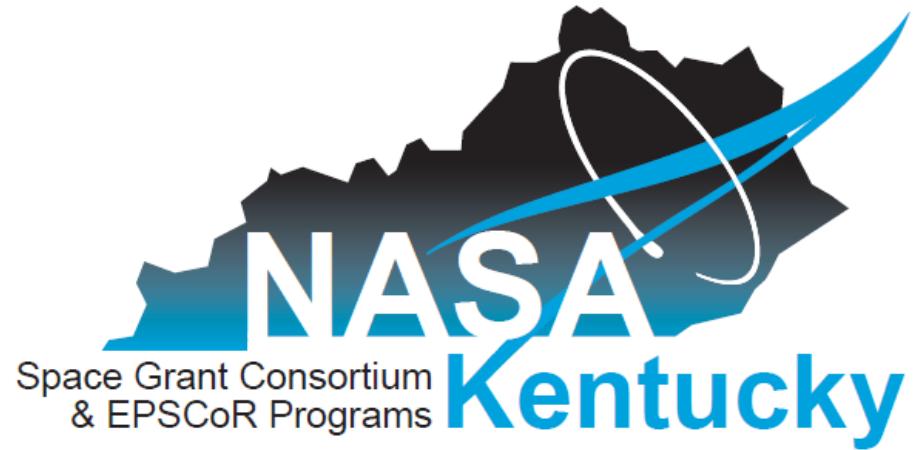
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KY EPSCoR



NASA Breakout

Round 2



Outlook

- Space Grant RFP-12-001
 - Fall Review Cycle
 - Start January 1, 2012
- EPSCoR RFP-12-002
 - RIDG – Fall Review Cycle, Start January 1, 2012
 - RA – per National RFP
- Distribution
 - Longer lead time
 - Broader dissemination
 - Email lists
- Submissions
 - Email .pdf files
 - On-line upload .pdf files

EPSCoR RA Award Presentations

- Joyce Evans, UK 2007
 - “Efficacy of Countermeasures to Cardiovascular Deconditioning in Men and Women during Simulated Moon and Mars Explorations”
- Dr. David Puleo, UK 2008
 - “Versatile Biosensing Platform for Monitoring Bone markers for Space Medicine”
- Dr. James Lumpp, UK 2010
 - “The CubeLab Standard for Improved Access to the International Space Station for Scientific Payloads”