NASA EPSCoR Caucus 2022 Meeting

Wednesday, March 2, 2022 | 6:00 pm – 9:00 pm Eastern

Westin Crystal City, Arlington, VA

Meeting will NOT include virtual participation via Zoom

Final Agenda

All times are Eastern U.S. time zone

6:00 pm to 7:00 pm Jefferson III Room – Buffet dinner & non-alcoholic drinks

Buffet features Wedge of Iceberg, Crisp Caesar, Grilled Vegetable Pasta, Grilled Chicken, Pan Roasted Salmon, Oven Roasted Asparagus, Choice of two desserts, usual non-alcoholic beverages.

7:00 pm to 9:00 pm Jefferson III Room – NASA EPSCoR Caucus Business meeting

7:00 pm NASA EPSCoR Program Management Presentations

Program Status and Updates	J. Compton
MSI Senior Advisory Council	C. Meadors
NASA EPSCoR Program Management Q&A	J. Compton

7:45 pm NASA EPCoR Business Items T. G. Guzik – Moderator

Interaction between jurisdiction & LaRC researchers	A. Ryan
Discussion on NASA EPSCoR Caucus costs, funding, handling	C. Runyon

8:15 pm NASA EPCoR Caucus Panel Discussion T. G. Guzik – Moderator

This discussion will be focused on issues, best practices, and strategies for coordinating / enhancing aerospace industrial and economic development in the jurisdictions with NASA EPSCoR programs. The panelists will provide some background information and initial thoughts to begin the conversation. The moderator will provide a summary of the discussion highlights

EPSCOR/IDeA Panel on Federal Innovation Opportunities (5 min)	J. Molesworth
Navigating University and Aerospace Industry Engagement (5 min)	S. Schowen
Using NASA EPSCoR/SBIR/STTR to interface with industry (5 min)	L. Flynn
Questions / Comments Issues from Caucus (25 minutes)	All
Summary of Panel Discussion (5 minutes)	T.G. Guzik

9:00 pm Adjourn NASA EPSCoR Caucus Meeting

Here are a few questions that NASA EPSCoR Program Management would like to discuss at the EPSCoR Caucus meeting. You might want to review these and think about what kind of comments / suggestions you would like to offer.

1. **FY 2023 R3 Proposal Submissions**
   A jurisdiction made a suggestion to change the R3 proposal restriction of one proposal per appendix, to no more than 3 proposals per appendix, and no more than a total of 11 proposals (or the number of appendices listed in the R3 solicitation).

   Benefits:
   a. With such a change a jurisdiction that wants to run their RFP with one proposal per appendix would still be able to do so
   b. Other jurisdictions would be allowed to submit proposals in strategic areas, and leverage past investments
   c. Such a change could significantly increase the number of competitive proposals, while keeping the number manageable

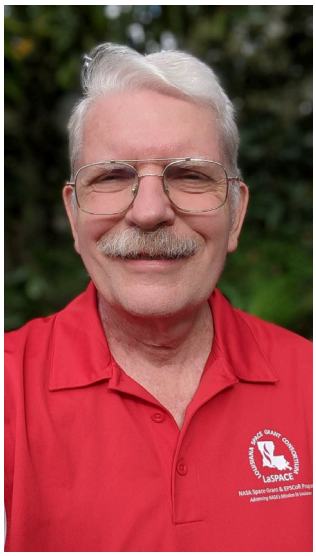
   Drawbacks:
   a. Although highly unlikely, a NASA office could have up to 84 proposals to evaluate
   b. Proposals could be concentrated on a single appendix.

2. **The EPSCoR project is looking for a way to implement a solicitation requiring multi-jurisdiction partnering**
   a. Is this something the jurisdictions want?
   b. What are the benefits?/drawbacks?
   c. Is it possible to create consortia within EPSCoR (Island consortia?) to meet this objective

3. **EPSCoR has had discussions with the NSF about establishing a Caribbean Research Center at the Arecibo location in Puerto Rico**
   a. Would be available for use by all/any EPSCoR jurisdiction
   b. Is there any interest in such a capability?
   c. How would this improve <u>your</u> research capability?

Speakers for the 2022 NASA EPSCoR Caucus Meeting
in order of appearance

T. Gregory Guzik



T. Gregory Guzik is the Director of the Louisiana Space Grant / NASA EPSCoR program. His scientific career has focused on astrophysical energetic particles including large class cosmic ray balloon instruments launched as long duration balloon flights in Antarctica, heavy ion particle accelerator experiments, cosmic ray instruments on-board satellites, and is part of an international collaboration working with the CALET high energy cosmic ray instrument on-board the International Space Station. Dr. Guzik has been directly involved with Space Grant and NASA EPSCoR for close to 20 years including developing and managing both entry-level and advanced experiential student ballooning programs. Dr. Guzik currently serves as the Chair of the NASA EPSCoR Caucus.

Jeppie Compton

Jeppie Compton is the NASA EPSCoR National Project Manager and is based at NASA Kennedy Space Center. He manages research and development grants to 28 states through their major universities in physical science, life sciences, or other fields of science, engineering, project management, technical collaboration, technical requirements development, technical professional communication, complex problem solving, and research and analysis methods and techniques. He is currently NASA EPSCoR projects being integrated to fly on the ISS, serves as the grant's Technical Officer (COR) and has experience within a broad range of disciplines. He currently manages over 140 active research grants.

Mitch Krell

Dr. Mitch Krell currently serves as the Deputy Project Manager for NASA EPSCoR. Prior to working with EPSCoR, he served as the University Affairs Officer in the Office of STEM Engagement at Stennis Space Center (SSC). He was the lead for NCAS at SSC for a number of years and also worked as one of two NASA Space Grant Technical Officers within the Agency. Dr. Krell holds a B.S. in Photojournalism from the University of Southern Mississippi (USM), and a M.S. (USM) and a Ph.D. in Computer Science from the University of Florida (UF). Dr. Krell is a former university professor who has written numerous journal articles in computer science as well as co-authoring several books on Linux System Administration and Linux System Security. Dr. Krell has been involved with aerospace education for over 30 years through activities with NASA and with the Civil Air Patrol (CAP), a U.S. Air Force Auxiliary. He is also a licensed pilot and a licensed UAV pilot.

Constance Meadors

Dr. Constance Meadors is serving at NASA on an Intergovernmental Personnel Act (IPA)as the Minority Serving Institution (MSI) STEM Engagement Liaison. She is an Associate Professor and the Associate Dean of the School of Arts and Sciences at the University of Arkansas at Pine Bluff. Her NASA experiences include NASA graduate fellow, researcher, member of the Arkansas Space Grant Consortium and NASA EPSCoR. Her research includes biomedical, hybrid rockets, combustion, and micro-thrusters. Her academic experiences include k12, community college, private and public institutions. Dr. Meadors is a Louisiana native with a B.S. in Physics from Grambling State University, a M.S. in Applied Science with a focus on Instrumentation, and a Ph.D. in Applied Science Engineering Science and Systems from the University of Arkansas at Little Rock.

Aaron Ryan

Aaron Ryan is an instructor and outreach coordinator with the Louisiana Space Grant Consortium and NASA EPSCoR Programs based at Louisiana State University. He received his B.S. in Physics from the University of Houston and his M.S. in Physics from Louisiana State University. His background is in cosmic ray astrophysics and is currently involved heavily in student mentoring through LaSPACE's student ballooning programs, the statewide LaACES sounding balloon program for Louisiana Students, and the HASP program. He is also a member of the core management team for the Space Grant and NASA EPSCoR Programs and in this role he has helped organize and implement several national meetings.

Cass Runyon

Dr. Cassandra Runyon holds a PhD in Geology from the University of Hawaii. Her research expertise is in remote sensing and geomorphology of volcanic features on the Moon and terrestrial planets. Her primary interests are using remote sensing, field work, comparative geology, and modeling to understand the processes involved in the formation and evolution of lava channels, lava tubes, and pyroclastic deposits. Dr. Runyon is currently an Associate Professor at the College of Charleston in the Department of Geology and Environmental Geosciences, Director of the NASA SC Space Grant Consortium and SC NASA EPSCoR program and the education/public engagement lead for the Center for Lunar and Asteroid Surface Science (CLASS), a NASA Solar System Exploration Research Virtual Institute (SSERVI) team. Cass serves as Treasurer on the Executive Committee of the National NASA EPSCoR Caucus.

Jessica Molesworth

Jessica Molesworth is the Executive Director of the EPSCoR/IDeA Foundation. For more than 20 years, Mrs. Molesworth has worked with higher education coalitions and institutions with a focus on research, research infrastructure capacity, technology, and economic development. She has extensive knowledge of federally sponsored research programs in areas ranging from defense and energy to health, water quality, and science education curriculum development.

Susana Schowen

Susana Schowen joined LED FastStart, a division of Louisiana Department of Economic Development, in June of 2011. As the Director of Workforce Initiatives, she is tasked with implementing high-level strategies focused on systemic workforce reform. Based on analyses of workforce supply and demand, she is collaborating with educational stakeholders to align offerings to the needs of Louisiana employers. Prior to joining LED, Susie managed a private technical college in Baton Rouge after creating a nationwide basic skills program focused on underperforming high schools for Thomson Peterson's. Before that, she held a number of positions with Kaplan, Inc. managing test preparation courses, financial services training, and online college programs. She received degrees in chemistry from Wellesley College and Columbia University.

Luke Flynn

Dr. Luke Flynn is the Director of the Hawaii NASA Space Grant Program, the Hawaii NASA EPSCoR Program, and the Hawaii Space Flight Laboratory. Luke is the Chair of the National Space Grant Directors' Executive Committee. Luke has served as a science team member on NASA's Landsat 7 and Earth Observing-1 satellite missions while focusing on thermal remote sensing of active volcanoes. HSFL's objectives are to design, build, test, launch, and operate small satellites from the Hawaiian Islands and establish a new aerospace economy in Hawaii. HSFL's Neutron-1 3-U CubeSat has been operational for 200+ days in orbit. Along with partner JPL, HSFL is also working on the 6-U Hyperspectral Thermal Imager for the NASA SMD Earth Science Technology Office.