UNC GREENSBORO
Board *of* Trustees

Academic Affairs Committee
October 29, 2024
1:45pm

Information Item

AAC-2 Update on Louis Stokes Alliance for Minority Participation (Hamilton)

Background Information

Named for former Ohio congressman Louis Stokes, the Louis Stokes Alliance for Minority Participation (LSAMP) is a program of the National Science Foundation. LSAMPs around the nation prepare students from backgrounds that are under-represented in science for success in STEM majors and STEM careers. The Mountains to Sea LSAMP is comprised of five UNC System institutions, led by UNC Greensboro. It is funded by a renewable $3.5 million, five-year grant. In addition to mentoring and structured professional development, these students receive $3,000 annual stipends to serve as outside-of-class learning assistants for thousands of their peers in introductory science classes. As peer facilitators, they lead discussions that have been shown to improve content mastery, decrease failure rates, and increase students' sense of belonging.

LSAMP students in their third and fourth years also receive grant support to participate in faculty-led research, so hours that would have been spent working off campus can instead be invested in developing the skills and knowledge necessary for success in graduate school. Dozens of LSAMP students across the Alliance receive $4,000 stipends for summer research and internship experiences, with students conducting work in fields as diverse as paleopathology in Padua, Italy and space weather at NASA Langley.

In addition to UNCG, the Alliance is comprised of Western Carolina University, East Carolina University, UNC Wilmington, and Appalachian State University.

Attachment: Presentation

Alan Boyette
Interim Provost & Executive Vice Chancellor

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UNCG Louis Stokes Alliance

Achieving Success in STEM

The Alliance

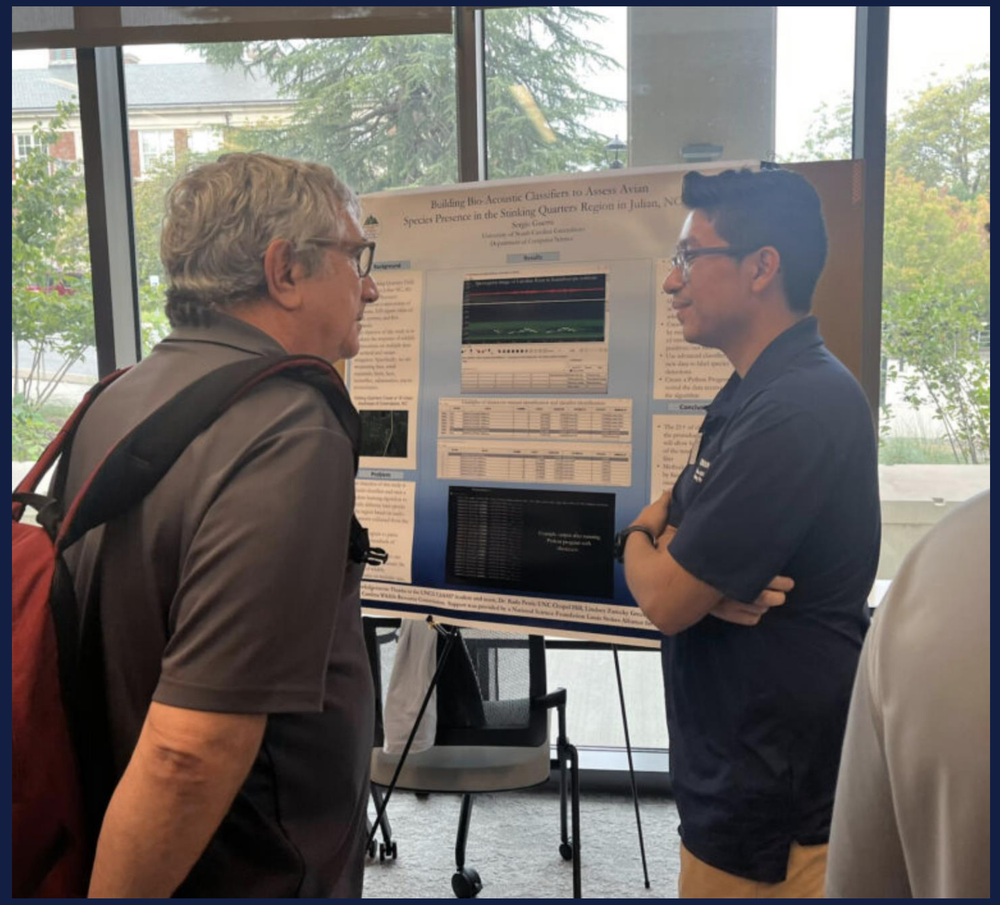
$3.4 Million Over Five Years (Renewable)

Funded by the National Science Foundation

Supports NSF-Defined URM Students

Focus on Critical Transitions

UNCG LSAMP Scholars



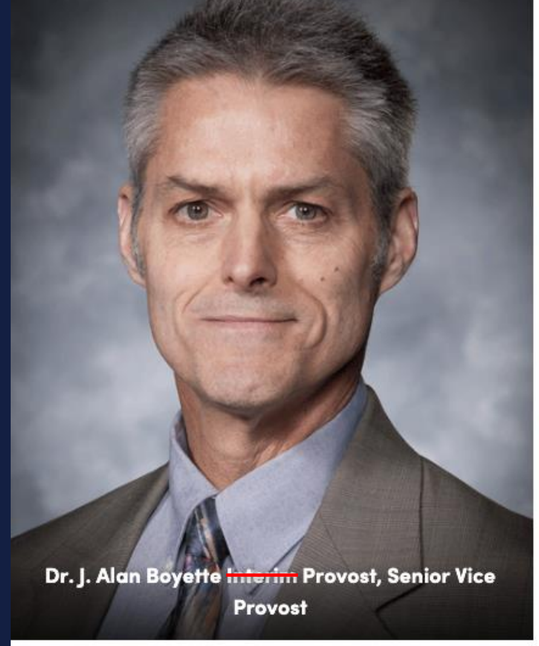
Peer Learning Assistants

Structured Personal and Professional Development

Research Placements

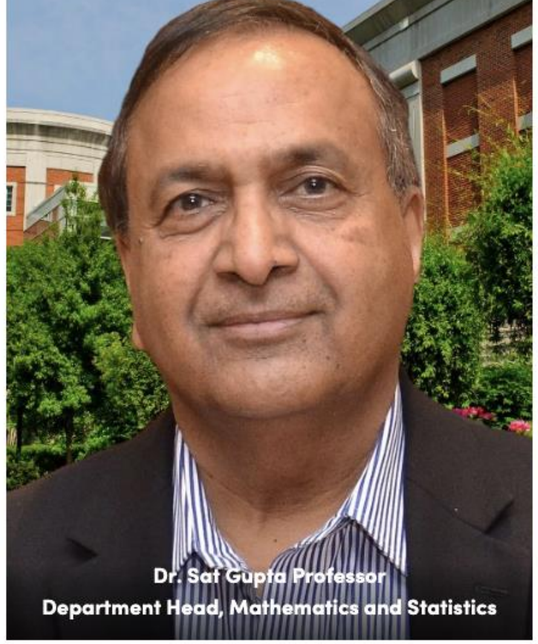
Scholarship Support

Alliance Leadership

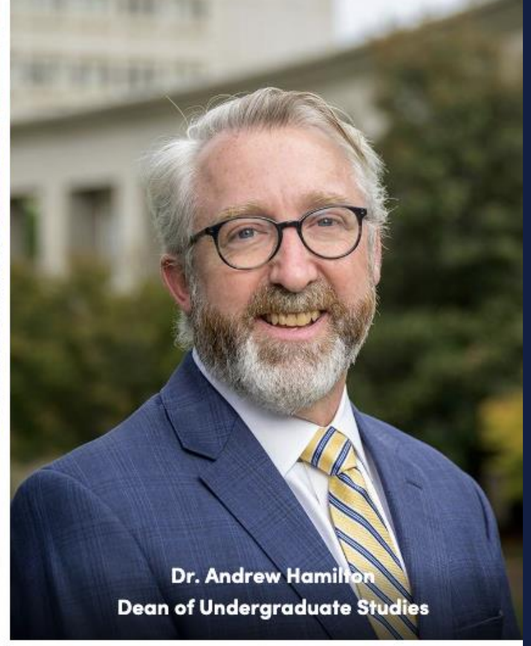


Dr. J. Alan Boyette ~~Interim~~ Provost, Senior Vice Provost

Curtis Green
Lecturer, Grogan Faculty Fellow



Dr. Sat Gupta Professor
Department Head, Mathematics and Statistics



Dr. Andrew Hamilton
Dean of Undergraduate Studies

Clara Hidalgo
Program Manager

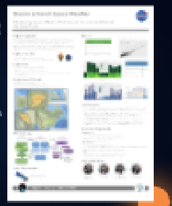
Chinaemaze 'Kelsey' Okoro
NIH and NSF Research and Development Project Manager

Dr. Julie Mendez-Smith Professor, Psychology

Dr. Malcolm Schug
Associate Professor, Department Head, Biology

NASA DEVELOP National Program

Summer 2024 Internship



About NASA DEVELOP

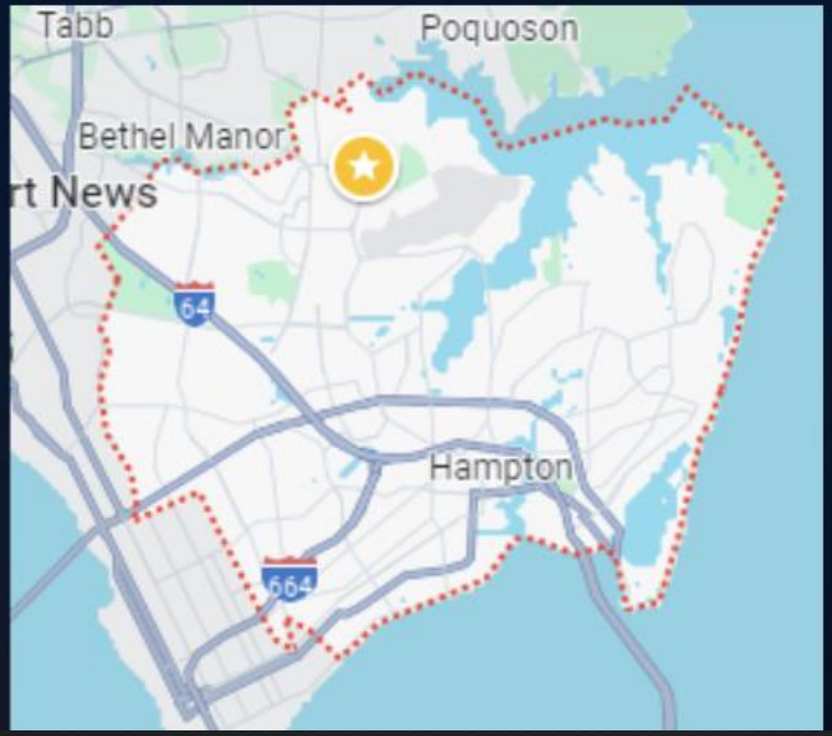
- Addresses enviromental and public issues through interdisciplinary research projects using NASA data and Earth observations
- Focused on GIS and remote sensing but all areas of study are applicable to research projects
- Capacity building program in which both participants and partner organizations prepare them for the challenges that face our society and future generations
- Teams of participants both in-person and virtual conduct 10 week feasibility projects that utilize NASA Earth observation missions, this provides advanced skills and increases understanding of NASA Earth science data and technology

How I Found DEVELOP

- Desire to do an internship before graduation
- Used Handshake and browsed through internships for the summer
- Applied using resume --> got accepted!! --> interviewed

Where I Was

- NASA Langley Research Center
  - Hampton, Virginia
- Pop-up locations through universities and other NASA centers
  - NCEI
  - GA
  - NY
  - HI



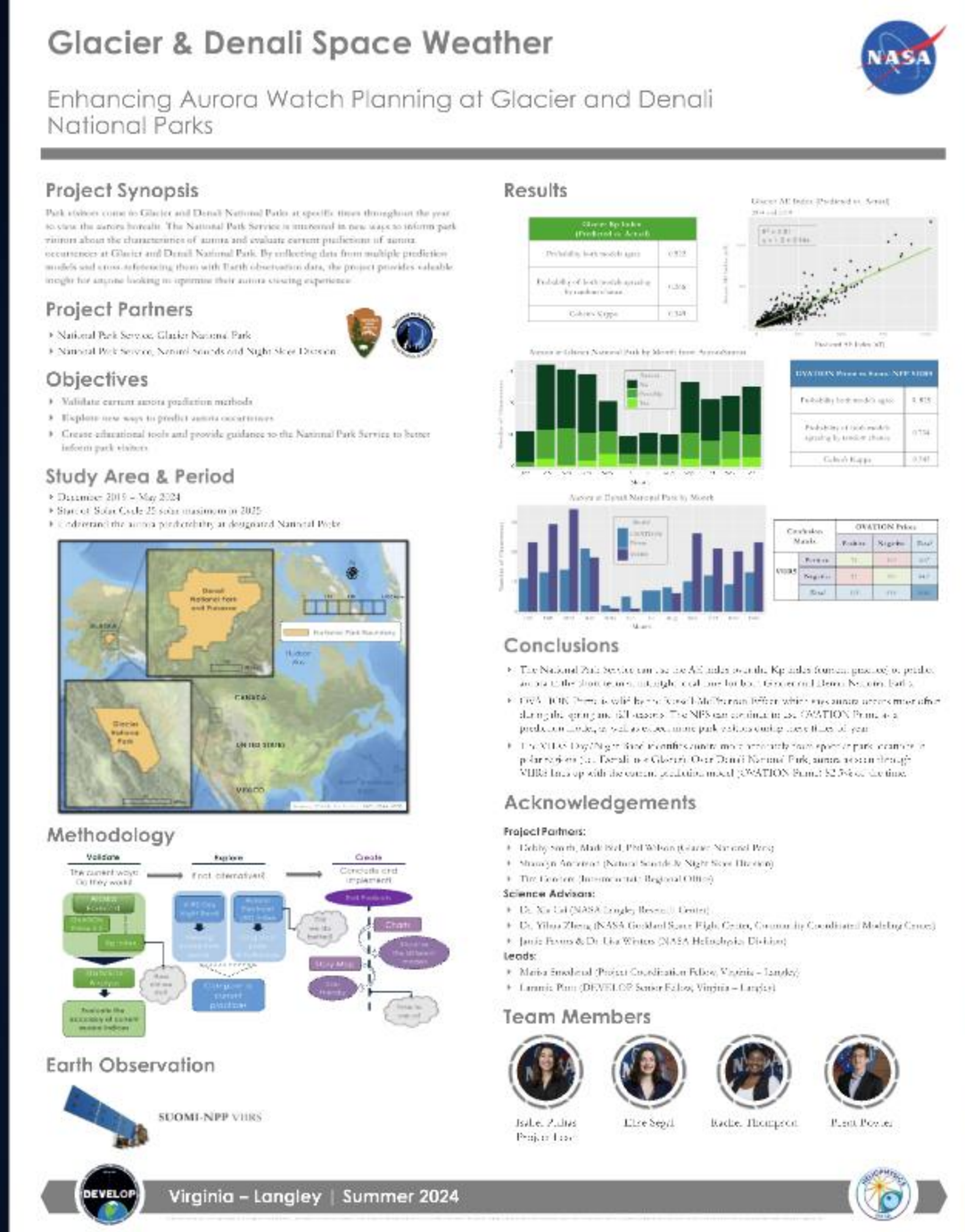
DEVELOP Project Categories

- CAPACITY BUILDING
- DISASTERS
- WATER RESOURCES
- AGRICULTURE
- CLIMATE & RESILIENCE
- HEALTH & AIR QUALITY
- ECOLOGICAL CONSERVATION
- WILDLAND FIRES

New Pilot Project

Space Weather

- Introduced by Nicki Fox ~ head of Space Weather at NASA HQ
- Jamie Favors ~ head of Heliophysics at NASA HQ, science advisor
- DEVELOP Day at HQ



Bonus Activities

Campus tours
14 x 22 wind tunnel
8 ft wind tunnel
hangar

Professional headshots

NCAS cohort visitation speech

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Find your way here

Thank You!