



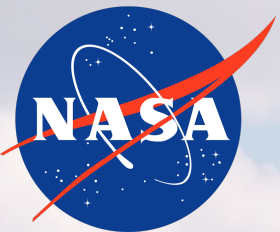
# GATEWAYS TO **BLUESKIES**

## **Q&A Session**

**January 26, 2023**

**3:30 – 4:30 PM ET**

**(Please mute all mics.)**



The Gateway to Blue Skies: Clean Aviation Energy Competition is sponsored by NASA's Aeronautics Research Mission Directorate's (ARMD's) University Innovation Project (UI) and managed by the National Institute of Aerospace (NIA).



# Agenda

- Welcome & Introductions
- Context for 2023 Competition
- General Technical Remarks
- General Programmatic Remarks
- Question-and-Answer Open Call Opportunity
- Wrap Up



**Competition  
Guidelines PDF**



# NIA Program Team



**Janice Kurbjun Miller**  
Program Lead



**Genevieve Ebarle**  
Program Coordinator



**Stacy Dees**  
Program Manager



**Shelley Spears**  
Education & Outreach  
Director

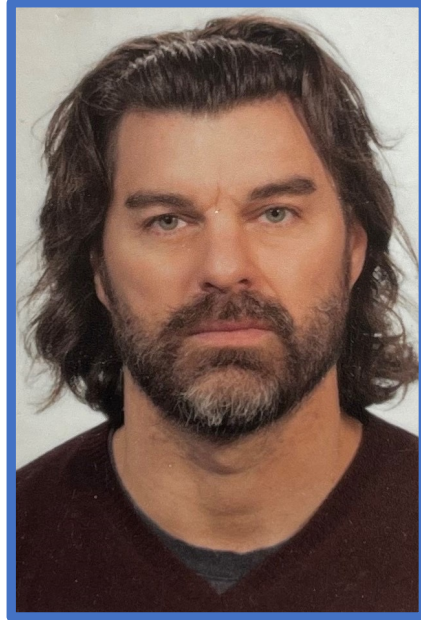


# NASA Sponsors

## University Innovation Project



**Steven Holz,**  
**Blue Skies Co-Chair**  
NASA's Langley Research Center



**Andrew Provenza, Blue**  
**Skies Co-Chair**  
NASA's Glenn Research Center



**Koushik Datta,**  
**UI Project Manager**  
NASA's Ames Research Center



**Mina Cappuccio,**  
**UI Deputy Project Manager**  
NASA's Ames Research Center

**University Innovation (UI) Project:**

University Leadership Initiative (ULI)  
University Students Research Challenge (USRC)  
Gateways to Blue Skies Competition (Blue Skies)



# Context for Competition & Technical Remarks



- **Purpose:** To encourage diverse, multi-disciplinary teams of college students to explore and contribute unique systems-level ideas and analysis of the source-to-flight lifecycle of future zero-emissions aviation propulsion energy sources.
- **Context:** What is the vision for a zero-emissions future in aviation?
- **Focus on alternative aviation energy.**
  - We **DO** want to see: Energy sources that are less explored but have propulsion potential for ***most commercial flights longer than 2 hours.***
  - We do **NOT** want to see Supply chain analysis of today's Sustainable Aviation Fuel, as defined by the Department of Energy: <https://www.energy.gov/eere/bioenergy/sustainable-aviation-fuels>
- Analysis should **BEGIN** with sourcing, extraction and refinement, if applicable. Analysis should **END** when the energy source is on board and ready for consumption.
- Competition has Minimal Constraints



# Programmatic Remarks



- Faculty advisors must sign the proposal for submission to be valid
- Evaluation and scoring structure has changed for 2023!
  - Finalists selected based on proposals
  - Final scoring starts with research paper/infographic and ends with presentation at the Forum.
  - In other words, you **CAN** and **NEED TO** provide updates between the proposal and final research paper!
- Be sure to read the Competition Guidelines in full before diving into analysis
  - Special emphasis is placed on analyzing **innovative energy sources**.
  - Adherence to the Competition Guidelines are the foundation upon which your submission will be judged!
  - Carefully review the evaluation criteria.
- YOU are selling your proposed concept to the judges!

**Next Deadline**



**Competition  
Announced**  
(July 26, 2022)

**Proposal &  
Video Due**  
(February 28, 2023)

**Selection  
Notifications**  
(March 28, 2023)

**Final Research  
Paper &  
Infographics Due**  
(May 14, 2023)

**Blue Skies Forum  
in Cleveland, OH**  
(June 1-2, 2023)

# Existing Resources Available on Website



## Visit the Blue Skies FAQ Webpage for the following resources:

- Q&A Session #1 (November 3, 2022)
  - Video/Audio Recording
  - Summary Document
  - Presentation Slides (Chart Deck)
- Program Frequently Asked Questions (FAQs)
- This Q&A Session and associated documents and recordings will be posted on the FAQs Webpage for future use.

<https://blueskies.nianet.org/faq>

# Q&A: Open Call Format



## To Ask A Question:

1. Use “Raise Hand” Function in Webex to ask verbally.
  - a. You will be called on to pose your question.
  - b. If possible, please turn on your camera while speaking.

OR

2. Type questions into the Chat.
  - a. The host will pose questions to sponsors during the call.



# Future Questions?



**PLEASE SEND ALL FUTURE QUESTIONS TO:**  
**[blueskies@nianet.org](mailto:blueskies@nianet.org)**

Each question will be responded to directly, as well as posted on the FAQ webpage for everyone to see.

**We encourage you to visit the FAQ Webpage frequently for updates:**  
**<https://blueskies.nianet.org/faq/>**

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**View the complete 2023 Blue Skies Competition  
Guidelines PDF**

