

The logo for CAES (Center for Advanced Energy Studies) features the letters 'CAES' in a bold, white, sans-serif font. A stylized sunburst or energy symbol is integrated into the letter 'A'.

CAES

Center for Advanced
Energy Studies



CAES Collaboration Funds 2023

P R E S E N T E D B Y

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A COLLABORATION BETWEEN



Collaboration Funds Q&A Agenda

- Introduction
- Discuss CAES Collaborative Initiatives
- What is CAES Collaboration Funds?
- Goals and Objectives
- Process and Alignment
- Examples of Successful Proposals
- Timeline

Introduction

What is CAES?

The Center for Advanced Energy Studies is a research and education consortium between INL, Boise State, Idaho State University, University of Idaho and industry.

CAES Vision

Through world-class collaborative research, CAES innovates to secure the nation's energy future.

CAES Mission

Create new knowledge and the next generation of technology leaders through research and education with academic-industry-government collaborations.

CAES Collaboration Funds

The CAES Collaboration Fund is designed to help establish collaborative research, innovation, and educational relationships between INL researchers and the CAES universities - Boise State, Idaho State University, and University of Idaho.

CAES Collaboration Initiatives

CAES initiatives focused on building collaboration include:

- CAES Summer Visiting Faculty Program
- CAES Fellows
- CAES Collaboration Funds
- ISU CAES Seed Grant Program



CAES Collaboration Funds

- Heading into its sixth year, this program is designed to be INL Principal Investigator-led with CAES university collaboration.
- The program allows more flexibility for the INL PI to develop funding proposals, deliverables and funding mechanisms to enable collaboration.
- Since the program's inception, 48 INL researchers have been awarded CAES Collaboration Funds, each paired with faculty from at least one CAES university.
 - **Who's eligible:** INL researchers
 - **Approximate budget:** \$250K-300K overall
 - **Average Award:** \$20K-40K
 - **Application Deadline:** February 28, 2023
 - **Award Announcement:** January 23, 2023
 - **Final Deliverables Due:** September 30, 2023

Goals and Objectives

- CAES Collaboration Funds are designed to bring together INL researchers and CAES university members to interact, build new relationships, and develop joint funded research programs with the aim to grow external funding in CAES focus areas. Therefore, these program development funds can be used for the following:
 - Labor costs for individuals working on activities specifically directed at the development of new collaboration (e.g., initiative planning, proposal development time, graphics, technical writing, and editing)
 - Development of concept papers, strategy, or documentation
 - Cost associated with targeted market research to obtain a better understanding of current or potential customer needs that will then be factored into strategy or business plans
 - Costs associated for travel for discussion with customers or potential customers to develop/define work scope and identify funding for new programs
 - Travel and labor to a symposium/conference/workshop provided recipient is (1) presenting/hosting CAES research and capabilities or (2) manning booths
- CAES Collaboration Funds may not be used to co-mingle with Direct-funded INL Programs or LDRD-funded projects.
- Funds may not be used to collect data or perform R&D experimental activities.

CAES Collaboration Funds Process and Alignment

Funds will be granted to strategic and innovative proposals through an open application process

- An internal CAES review for strategic alignment and best return on investment.
- A high priority will be placed on proposals tied to future direct-funded work such as through a DOE solicitation.
- Successful applicants will demonstrate how their proposal would enhance collaborative relationships among the CAES entities in one of the CAES focus areas, which are related to the broad interdisciplinary field of nuclear engineering, or one of INL's mission areas.

- **CAES Focus Areas:**

- Advanced Manufacturing
- Critical Materials/Geothermal
- Energy Storage/Transfer

- **INL mission areas:**

- Advanced Test Reactor
- Energy & Environment Science & Technology
- Materials & Fuels Complex
- National & Homeland Security
- Nuclear Science & Technology

Examples of Successful Proposals/Deliverables

Proposal #1:

- Collaborative proposal written between INL, a CAES member University, and/or an industrial partner;
- Submit collaborative proposal to FOA;
- Literature search performed by student(s);
- Summary of the discussions for each meetings;
- Report on the outcome of the *travel* to industry to establish partnerships; and
- Report by the parties involved on the possibility of establishing particular focus area.

Proposal #2:

- Develop new concepts or proposal in applicable focus area;
- Visit CAES university, attend a seminar and mentor students; and
- Provide a white paper on future collaborative proposal.

Collaboration Fund Timeline

- February 28
 - Applications due at 5 pm; [Click here to apply](#)
- March 1-17
 - CAES Programmatic Team to review applications
- March 31
 - Award recipients announced
- April 1 to September 30
 - Funding mechanism initiation (contracts) and monthly updates
- September 30
 - Deliverables Due/Final Presentation

Questions

For more details, please contact:
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Collaboration Inspiring Innovation and Impact

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