**FOUNDATION FOR
FOOD & AGRICULTURE
RESEARCH**

Pre-Proposal Description

✳ Required before final submission

2022 Seeding Solutions: Addressing Challenges in Food and Agriculture Funding Opportunity

Key Dates

Pre-Proposal Open: February 2, 2022 at 12:00pm ET
Pre-Proposals Due: March 9, 2022 5:00pm ET

NOTE: An approved pre-proposal with an invitation to submit a full application is required for submission.

Full Application Invitation: May 11, 2022
Full Applications Due: July 13, 2022 date 5:00 PM ET
Award Notification: Fall 2022
Anticipated Project Start Date: Early 2023

Objectives

FFAR seeks projects that foster innovation with the potential for transformative impact within FFAR's Challenge Areas and AgMission Initiative. Applications that address the following will receive preference:

1. Contribute to the goal of sustainable food and agriculture, defined as practices that "satisfy human food and fiber needs; enhance environmental quality and the natural resource base upon which the agricultural economy depends; make the most efficient use of nonrenewable resources and on-farm resources and integrate, where appropriate, natural biological cycles and controls; sustain the economic viability of farm operation; and enhance the quality of life for farmers and society as a whole." (Food and Agriculture, Conservation and Trade Act of 1990, Public Law 101-624, Title XVI, Subtitle A, Section 1603).

2. Accelerate innovation within FFAR's Challenge Areas and AgMission Initiative. For this request for applications (RFA), FFAR defines innovation as follows:

- *Radical Innovation:* **Development of new technologies,** software, algorithms, methodology, or products with the potential to transform agricultural systems.
- *Applied Innovation:* **Application and validation of new or emerging technologies, processes, or management strategies** to address significant challenges in food and agriculture systems.

- *Re-imagined Innovation:* **Adaptation of existing technologies, processes, or management strategies for entirely new agricultural applications.**

3. Address an aspect of the following Challenge Area or AgMission Initiative priorities. Additional information is available through the links provided. We encourage applicants to reach out to the Scientific Program Director of the appropriate Challenge Area or Initiative of interest to hone ideas before submitting a pre-application (see Application Assistance below).

- Soil Health: Advanced understanding of what soil health is, how it is measured, and how to manage and optimize the sustainable delivery of the ecosystem services which soils provide.
- Sustainable Water Management: Interdisciplinary, model-based research to optimize crop production while minimizing environmental impacts and enhancing terrestrial water supplies through widespread adoption of advanced agricultural practices.
- Next Generation Crops: Advanced breeding methods and development of biotic and abiotic stress tolerance for crops grown in organic and conventional cropping systems to increase farmer profitability and environmental resilience.
- Advanced Animal Systems: Improved animal health, welfare and productivity, antibiotic stewardship, and environmental sustainability. We particularly encourage research with outcomes relevant to multiple species and/or One Health approaches that incorporate transdisciplinary research relevant to animals, humans and the environment.
- Urban Food Systems: Elucidation of connections between urban food systems and the urban environment, in addition to the connections between rural and urban communities to improve food and nutritional security, human health outcomes, economic opportunities, and food system resiliency through transdisciplinary partnerships.
- Health- Agriculture Nexus: Systems-level approaches (both technological and non-technological) aimed at reducing food and nutritional insecurity and improving human health in the United States and worldwide.
- AgMission: Innovative research and integrated data systems to advance knowledge and adoption of Climate-Smart Agriculture practices, focusing on co-design with agricultural stakeholders and understanding enabling conditions for systems-level change.

4. Demonstrate fully integrated partnerships with different sectors (private, non-government organizations (NGO), governments, academia, and other stakeholders) such that research outcomes may be scalable and applicable to food and agriculture systems.
The development of public-private partnerships is central to FFAR's vision and core mission: Building unique partnerships to support innovative science addressing today's food and agriculture challenges. External matching funds (i.e., contributions provided by partners outside of an applicant's home institution) will strengthen the application's standing. These partners may include but are not limited to private and public corporations, non-profits, foundations, commodity and trade groups, and state and local governments. Unique partnerships including organizations that may not typically work in agriculture, are strongly encouraged.

5. Serve the public good by making data open and accessible to the public, creating unique economic development opportunities, or contributing to food and agriculture

workforce development.

FFAR, as a part of its mission, seeks "not only brilliant minds but also fresh perspectives tackling today's challenges in food and agriculture. We embrace diversity and promote inclusiveness in all we do, from the teams we build to the grantees we support." FFAR also understands that the outside-the-box thinking needed to drive innovation occurs when researchers with different skillsets and experience collaborate. With that spirit of diversity and inclusiveness in mind, cross-disciplinary research teams, especially those that include disciplines not traditionally associated with food or agriculture science, to develop innovative solutions to address current agricultural challenges are strongly encouraged to apply to the Seeding Solutions program.

Before You Begin
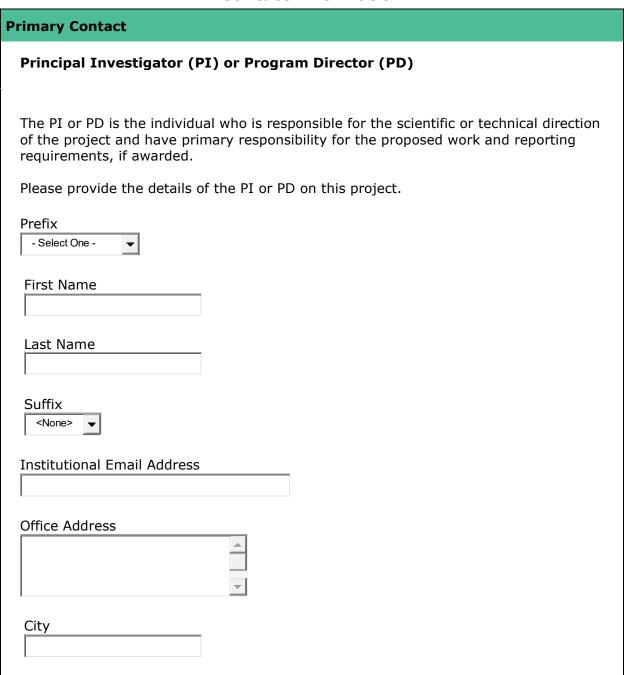
The following are some helpful tips to get started:

- Add mail@grantapplication.com to your address book or safe senders list to ensure you receive all system communications.
- Before filling out the application, you may find it helpful to click the "Printer Friendly Version" button above. This will offer you a preview of all the questions on the application.
- You may save and return to your application at a later time by clicking the **"Save & Finish Later"** button at the bottom of each screen. Log into your account at My Account (https://www.GrantRequest.com/SID_6242?SA=AM) to access saved and submitted requests.
- They system will time out after 30 minutes of inactivity, be sure to save your work often.
- You may use a word-processing tool (i.e. Microsoft Word, Google Docs, etc.), then cut and paste your responses into the online application.
- When clicking the **"Review & Submit"** button, you will be required to review the entire application one final time before clicking the **"Submit Application"** button at the bottom of the screen.
- Additional help can be found on the FFAR's website at https://foundationfar.org/grants-funding.

Organization Information

Organization Information

Geographic Location

Please provide the geographic location of the applicant's organization/institution.

✻ Organization Name

[   ]

✻ Tax ID
Required for all US applicants. Please include numbers and dashes.
If organization is international, please type "None".

[   ]

DUNS Number
Required for all US applicants. Please include numbers and dashes.

[   ]

✻ Congressional District
Required for all US applicants. If not in the US, please type "International".

[   ]

✻ Address

[   ]

✻   City

[   ]

✻ State
[- Select One -   ▾]

✻ Zip Code

[   ]

✻ Country
[- Select One -   ▾]

Other Country

If "Other" was selected, please provide the name of the country.

[   ]

✱ Phone

[   ]

Website Address

[   ]

Grant Administrator

✱ Prefix

[- Select One -   ▼]

✱ First Name

[   ]

✱ Last Name

[   ]

Suffix

[<None>   ▼]

✱ Title

[   ]

✱ Institutional E-mail

[   ]

✱ Office Address

[   ]

✱ City

[   ]

✱ State

[- Select One -   ▼]

✱ Zip Code

[   ]

✳ Country
[- Select One -   ▼]

✳ Office Phone
[   ]

Contact Information

Primary Contact

Principal Investigator (PI) or Program Director (PD)

The PI or PD is the individual who is responsible for the scientific or technical direction of the project and have primary responsibility for the proposed work and reporting requirements, if awarded.

Please provide the details of the PI or PD on this project.

Prefix
[- Select One -   ▼]

First Name
[   ]

Last Name
[   ]

Suffix
[<None>   ▼]

Institutional Email Address
[   ]

Office Address
[   ]

City
[   ]

State

- Select One - ▼

Zip Code

[   ]

Country

- Select One - ▼

Office Phone

[   ]

Extension

[   ]

Gender

- Select One - ▼

If self-identifying, please
specify.

[   ]

Ethnicity
Please select two options if multi-racial.

- Select One - ▼

- Select One - ▼

If self-identifying, please specify.

[   ]

Personnel

Key Personnel

Co-Investigators and Key Personnel are individuals who share the responsibility of the scientific or technical direction of the project or contribute to the intellectual design or execution of the project in a substantive, measurable way.

Please list the name(s) and expertise of the project's Co-Investigators on the sections below. Any other key personnel who is not a Co-Investigator should be included under the Additional Key Personnel attachment as listed at the end of this page.

If the PI is the only investigator, please type "0" (zero) in the question below and please enter "None" in the Last Name field/s.

✱ How many Co-Investigators are affiliated with this project?

[   ]

Co-Investigator (1)

If a contact is not available for this category, please enter "None" in the Last Name field.

Prefix

[   ]

First Name

[   ]

Last Name

[   ]

Suffix

[   ]

E-mail

[   ]

Office Phone

[   ]

Expertise

[   ]

Co-Investigator's Institution

[   ]

Co-Investigator (2)

If a contact is not available for this category, please enter "None" in the Last Name field.

Prefix

[   ]

First Name

Last Name

Suffix

E-mail

Office Phone

Expertise

Co-Investigator's Institution

Co-Investigator (3)

If a contact is not available for this category, please enter "None" in the Last Name field.

Prefix

First Name

Last Name

Suffix

E-mail

Office Phone

[   ]

Expertise

[   ]

Co-Investigator's Institution

[   ]

Additional Co-Investigators

Please provide a table including the name, institution, expertise, role, email, and phone number of any other Co-Investigators in addition to the three individuals listed above. Your PDF document can be uploaded on the Attachments section before submission.
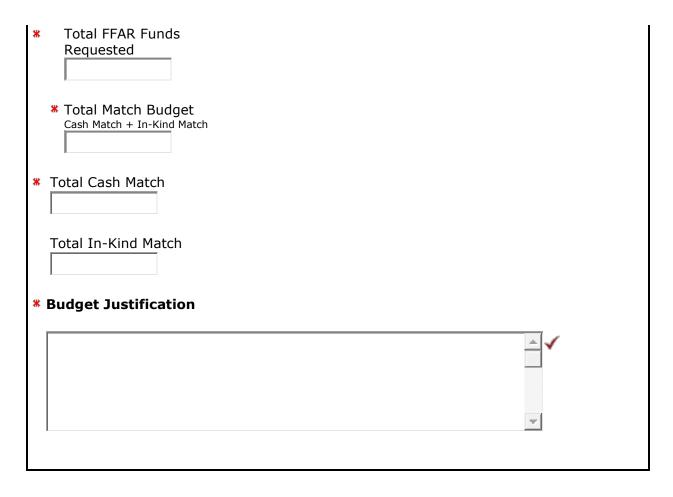
Proposal Information

Proposal Information

✳ **Project Title**
Provide a short title that captures the essence and communicates the importance of the proposed project to a lay reader.

[   ] ✓

Geographic location where the proposed research will be conducted.

✳   City
[   ]

   ✳ State
[▼]

   ✳ Congressional District
   Required for all US applicants. If not in the US, please type "International".
[   ]

✳ **Pre-Proposal Project Description and Approach**
• What challenge or existing paradigm is the project addressing? (up to 500 words)
• How will the project address the stated challenge and advance understanding of an understudied research topic or information gap? (up to 500 words)
• What innovative outcomes will the project generate? Describe how the project will solve challenges to food supply or sustainable agriculture. (up to 500 words)

- Why is FFAR ideally positioned to fund this project? (up to 500 words)

Word count 0 of 2000

✳ **Challenge Area or Initiative**
You may choose up to three (3).

☐ Advanced Animal Systems

☐ Health-Agriculture Nexus

☐ Next Generation Crops

☐ Soil Health

☐ Sustainable Water Management

☐ Urban Food Systems

☐ AgMission Initiative

✳ **Project Funding Overlap**
Is the PI and/or any co-investigators involved in other projects being submitted or funded by FFAR?

[▾]

Budget Details

Cumulative Budget Requested

Anticipated Project Budget

Budget requests should be developed commensurate with the support needed to achieve the project goals. You may request up to US $1,000,000.00 from FFAR. Projects may be up to five (5) years long.

If you do not have cumulative projected costs in a specific category, please enter "0" (zero).

✳ **Total Budget Request**

✻ Total FFAR Funds
Requested

[   ]

✻ Total Match Budget
Cash Match + In-Kind Match

[   ]

✻ Total Cash Match

[   ]

Total In-Kind Match

[   ]

✻ **Budget Justification**

[   ] ✓

Match Information

Applicants are encouraged to contact FFAR's Grant Team at grants@foundationfar.org
to discuss any concerns related to the matching requirements (see Matching Guidelines
at https://foundationfar.org/grants-funding/resources/matching-funds/).

**All grants require matching contributions equal to or greater than the FFAR
funding request. Matching funds must come from a non-U.S. Federal entity.
Excess match will not influence the potential success of an application.**

Matching funds cannot supplement or supplant preexisting funds for the project. At
least 50% of matching funds must be a cash match per FFAR's definition of cash. The
remainder may be an in-kind match per FFAR's definition of in-kind.

Matching Partner (1)

✻   Matching Partner Name

[   ]

✻ Matching Partner Type

[▼]

✱ Matching Partner State

[▼]

Country (only if outside of the U.S.)

[   ]

Cash Match

[   ]

In-Kind Match

[   ]

✱ Total Match

[   ]

Matching Partner (2)

Name

[   ]

Type

[▼]

State

[▼]

Country (only if outside of the U.S.)

[   ]

Cash Match

[   ]

In-Kind Match

[   ]

Total Match

[   ]

Matching Partner (3)

Name
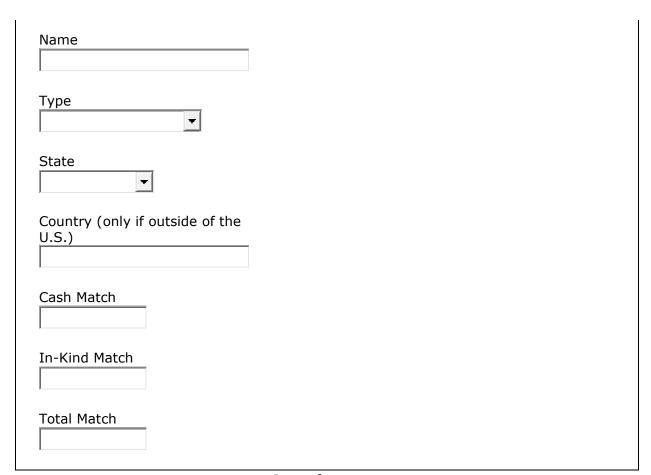
Type

State

Country (only if outside of the U.S.)

Cash Match

In-Kind Match

Total Match

Matching Partner (4)

Name

Type

State

Country (only if outside of the U.S.)

Cash Match

In-Kind Match

[   ]

Total Match

[   ]

Matching Partner (5)

Name

[   ]

Type

[▼]

State

[▼]

Country (only if outside of the
U.S.)

[   ]

Cash Match

[   ]

In-Kind Match

[   ]

Total Match

[   ]

Matching Partner (6)

Name

[   ]

Type

[▼]

State

[▼]

Country (only if outside of the
U.S.)

[ ]

Cash Match

[ ]

In-Kind Match

[ ]

Total Match

[ ]

Matching Partner (7)

Name

[ ]

Type

[▼]

State

[▼]

Country (only if outside of the U.S.)

[ ]

Cash Match

[ ]

In-Kind Match

[ ]

Total Match

[ ]

Matching Partner (8)

Name

[ ]

Type

[▼]

State

[▼]

Country (only if outside of the U.S.)

[   ]

Cash Match

[   ]

In-Kind Match

[   ]

Total Match

[   ]

Matching Partner (9)

Name

[   ]

Type

[▼]

State

[▼]

Country (only if outside of the U.S.)

[   ]

Cash Match

[   ]

In-Kind Match

[   ]

Total Match

[   ]

Matching Partner (10)

Name

Type

State

Country (only if outside of the U.S.)

Cash Match

In-Kind Match

Total Match

Attachments

There are no files attached.