



# Feed the Future Innovation Lab for Fish Collaborative Opportunities for Minority-Serving Institutions

April 16, 2024 | 11:00 AM to 12:30 PM CST

Photo: Pierre Failler







## **WELCOME FROM USAID**

### **Dr. Tyrell Kahan**

Agreement Officer's Representative
United States Agency for International
Development (USAID)









## **WEBINAR PURPOSE**

- I. Improve MSI familiarity with the Fish Innovation Lab
- 2. Provide information on working with USAID
- 3. Promote collaborative opportunities for MSIs
- 4. Articulate the RFA process, timeline, and eligibility criteria







## **ABOUT FEED THE FUTURE**

- U.S. Government's global hunger and food security initiative.
- Focus on smallholder farmers, particularly women
- Supports partner countries in developing agriculture sectors to spur economic growth and trade that increase incomes and reduce hunger, poverty, and undernutrition

For more information, visit <u>www.feedthefuture.gov</u>.







## FEED THE FUTURE INNOVATION LABS

- Draw on the expertise of top U.S. universities and partner country research institutions to tackle some of the world's greatest challenges in agriculture and food security
- Led by U.S. universities and central to advancing novel solutions that support goals to reduce global hunger, poverty, and undernutrition
- Use cutting-edge science to research and develop effective technologies and innovations for scaling implementers to address current and future challenges posed by a changing climate and the need to feed a growing global population with safe and nutritious food
- Provide short- and long-term training to support the sustainability of these efforts while training the next generation of scientists

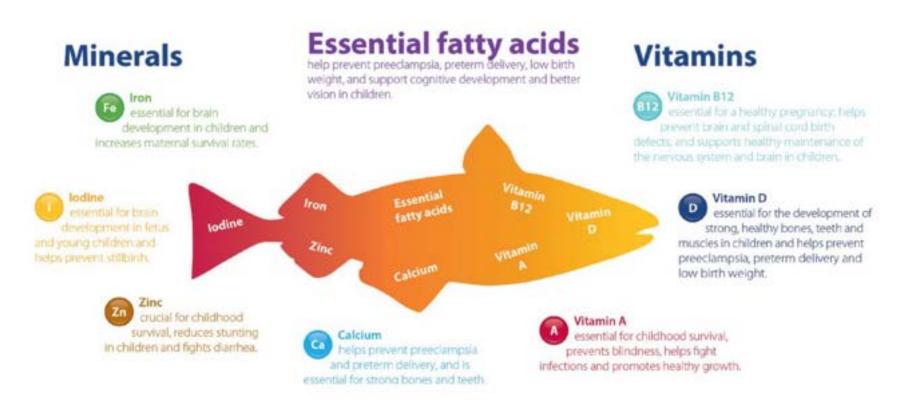
For more information, visit <a href="https://www.feedthefuture.gov/feed-the-future-innovation-labs">www.feedthefuture.gov/feed-the-future-innovation-labs</a>.







## **NUTRITIONAL VALUE OF AQUATIC FOODS**



 $https://www.unnutrition.org/wp-content/uploads/FINAL-UN-Nutrition-Aquatic-foods-Paper\_EN\_.pdf$ 







## **IMPACT PATHWAYS**

### Climate-Smart Aquatic System Innovations

- Aquaculture technology improvement, including integrated agricultureaquaculture systems and carbon-neutral production
- Sustainable fisheries management

# Nutrition and Food Systems

- Integrated interventions to improve nutrition
- Aquatic food systems, including fish value chains and trade
- Food safety in fish products and fish processing
- Social inclusion in fish value chains

# Inclusive Access to Improved Inputs

- Fish health and aquaculture biosecurity
- Improved fish feed, including fish meal and fish oil replacement
- Improved fish seed through enhanced fish genetics and selective breeding







## **CROSS-CUTTING THEMES**

- All themes are incorporated into each funded research activity to enhance the development impact of our research.
- Experts in each theme are part of our team and review all activities and awards to ensure the theme's inclusion.
- Activities include specific indicators for each theme.









## SIMPLIFIED THEORY OF CHANGE

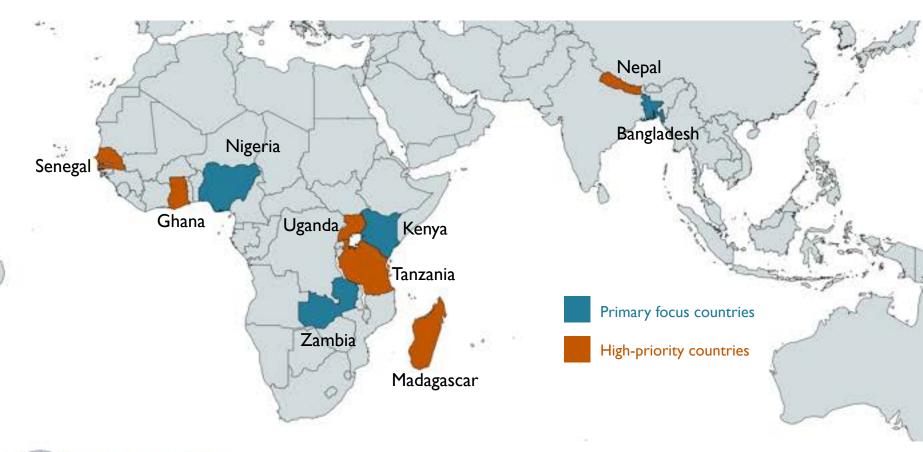
#### Goals Sustainably increased productivity Improved resilience to shock or stress Inclusive market access **Cross-cutting** Food security and equitable livelihoods improved • Responsible aquatic resource management Themes Gender & Social Inclusion **Impact Pathways** Capacity Nutrition & Food Climate-Smart Aquatic Inclusive Access to **Development** System Innovations Systems Improved Inputs Resilience **Approaches** Research Capacity Development **Innovation & Scaling**







## **PHASE 2 COUNTRIES**











## **WORKING WITH USAID**



- Research for development
  - NOT just development work
  - NOT basic research
  - MUST be applied and enduser focused
  - MUST result in adoption of new technologies or improved practices

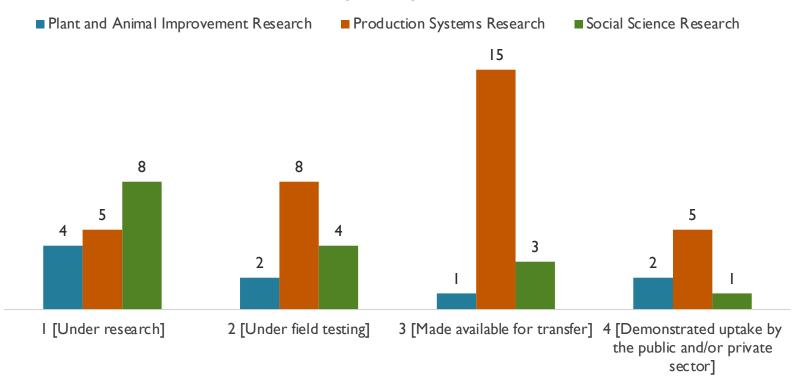






## PHASE I TECHNOLOGIES

## Innovations Developed by Research Activities









## **WORKING WITH USAID**



- Level of reporting
  - Quarterly reporting to ME
  - USAID-required semi-annual reporting
  - Programmatic, financial, and
     MEL indicator reporting







## **MEL INDICATOR REPORTING: PHASE I**

Indicator	Male	Female	Total
# Participants in short-term agricultural sector productivity or food security trainings	1,276	891	2,167
# Participants in USG food security programs	2,151	2,030	4,181
# Individuals who have applied technologies or practices	1,013	465	I,748*
# Individuals who participated in USG supported long-term trainings	24	18	37

<sup>\*</sup>Sex-disaggregated data unavailable for 270 individuals







## **WORKING WITH USAID**



## Management Entity

- Interface between projects and USAID
- Selects and manages projects
- Collects data and reports to USAID

## Meetings

- Quarterly virtual meetings
- Annual meetings
- One regional meeting







## **WORKING WITH USAID**



- Integrated projects
  - Must include host country institution
  - Must incorporate capacity development
  - Must include gender and social inclusion approaches and consider strategies to strengthen resilience







### Community-based participatory research

Rice farmers in Nigeria implemented integrated aquaculture/agriculture systems and collected data at three rice-fish demonstration sites in Kebbi and Ebonyi states to achieve community buy-in on the importance of diversification to improve nutritional outputs, income resilience, and environmental sustainability.









Stakeholder engagement through ME-initiated and research activity-specific workshops

Researchers in Bangladesh worked with fish hatchery owners, nursery producers, and growers to provide training on cryopreservation technology for improved fish breeding and seed production.









Capacity development with hostcountry universities, farmer cooperatives, and community fisheries organizations

A Citizen Science program in Cambodia supported 15 fishers from four villages along the Sre Ambel River to complete 18 months of data collection supporting sustainable fisheries management.









Long-term individual capacity development (degrees and certificates)

Analysis was conducted in Nigeria to understand the epidemiology and health economics of catfish and tilapia aquaculture, which resulted in the training of two Masters in Veterinary Public Health students at the University of Ibadan.









# Collaboration with government stakeholders

Researchers in Bangladesh worked with staff in the Department of Fisheries and the National Food Safety Laboratory to strengthen capacity for rapid testing of fish samples, and results were shared with the Bangladesh Food Safety Authority to inform government policies.











## **MSI OPPORTUNITIES**

- Principal Investigator (PI) at U.S.-based lead institution
  - Lead PI = lead institution
- Co-PI working with another U.S. PI and host country PI
  - Lead institution can be in the U.S. or in the host country









# NO MSI COST-SHARING REQUIRED

- Local investment
- Strategy for hand-off









# ELIGIBILITY CRITERIA

Qualified research, educational, governmental, private sector, or nonprofit institution globally that has a Unique Entity ID and is registered in the System for Award Management (SAM; www.sam.gov/portal/SAM)

Have ONE primary institution that will be responsible for implementing the activity, monitoring progress, ensuring compliance with MSU and USAID rules and guidelines, managing funds appropriately, collating and presenting results, and submitting progress and final reports

Have a host-country primary institution (university or other qualified organization) that will coordinate all activities in the host country—including execution of appropriate agreements—with collaborating local partner(s) if any







# PRIMARY INSTITUTION RESPONSIBILITIES

### Pre-Award

Submit one concept note

If invited, submit one full proposal

Actively participate in co-creation

#### Post-Award

Lead the implementation of the activity

Ensure incorporation of cross-cutting themes

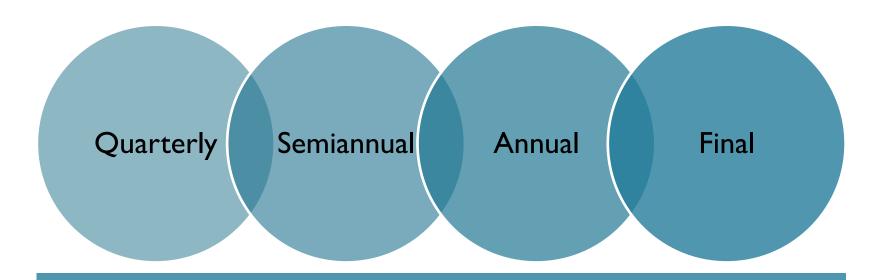
Submit data and reports on time







## REPORTING RESPONSIBILITIES



Responses to questions on reporting







## **RESOURCES**

The following resources are/will be available on the "Current Opportunities" page of the Fish Innovation Lab website:

- 1. Key dates and timeline table
- 2. Concept note template
- 3. Budget template
- 4. MSI Engagement Webinar Recording and Slides
- 5. Q&A submission and response opportunity









RFA TIMELINE: IMPORTANT	DATES
RFA release date	April 15, 2024
Deadline for submission of written questions	April 24, 2024
Posting of responses to written questions	May 3, 2024
Deadline for submission of concept notes	May 15, 2024
Invitations for full proposals	June 5, 2024
Informational webinar for invited full proposal teams	June 12, 2024
Deadline for submission of invited full proposals	July 24, 2024







## COVER PAGE HEADER

Feed the Future Innovation Lab for Fish: RFA Concept Note

Email: fishlab@gcahfs.msstate.edu

#### **DESCRIPTIVE ACTIVITY TITLE**

Relevant project title depicting key project details

### **DURATION OF ACTIVITY (PROJECT PERIOD)**

Activity period within time period described in the RFA

### **TOTAL BUDGET REQUESTED**

Cost-sharing is not required

### FISH INNOVATION LAB RELEVANT AREA(S) OF INQUIRY (AI)

Example: Al-3 Inclusive Access to Improved Inputs







# COUNTRY(IES) OF INTEREST NAME AND CONTACT INFORMATION

#### **KEY PERSONNEL**

Lead PI Name, Credentials, Title, Place of Work, \*clear distinction if U.S. or host country team,\* Email

Co-PI Name, Credentials, Title, Place of Work, \*clear distinction if U.S. or host country team,\* Email

Key Personnel Name, Credentials, Title, Place of Work, \*clear distinction if U.S. or host country team,\* Email

### **MINORITY-SERVING INSTUTITON (MSI) ENGAGEMENT**

If yes, include Name, Credentials, Title, Place of Work, Email

Institution Name, location, and type of MSI

If no, indicate N/A







PROBLEM STATEMENT

**ACTIVITY GOALS** 

**APPROACH** 

**PROJECTED OUTPUTS** 

**PROJECTED OUTCOMES** 







#### RELEVANCE TO RFA COMPONENTS

Includes but is not limited to:

Fish Innovation Lab Theory of Change

U.S. Government Global Food Security Research Strategy

Cross-cutting theme alignment

Feed the Future Country Plan relevance

**Priority country** 

Zone of Influence (ZOI)







RESEARCH APPROACH AND METHODS

DEVELOPMENT IMPACTS
PROJECT PRIORITY GROUPS

**ACTIVITY TIMELINE (CHART PREFERRED) (integrated)** 

**REFERENCES** 

**BUDGET NARRATIVE** 

**KEY PERSONNEL CVs** 







## CONTACT



Newsletter Sign Up

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### DIRECTOR DEPUTY DIRECTOR







**Stephen Reichley** 

### **MANAGING PARTNERS**

Mississippi State University (Lead)
Global Center for Aquatic Health and Food Security

Blue Aquaculture Consulting Pwani University Texas State University University of Rhode Island
Washington University in St. Louis
WorldFish







## CONTACT



Current Opportunities Webpage

fishinnovationlab.msstate.edu fishlab@gcahfs.msstate.edu +1 662.325.1057

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# FEEDIFUTURE

The U.S. Government's Global Hunger & Food Security Initiative

www.feedthefuture.gov



