



SCALING DESIRA: INNOVATION PROCESSES AND SCALABILITY

13 DECEMBER 2023

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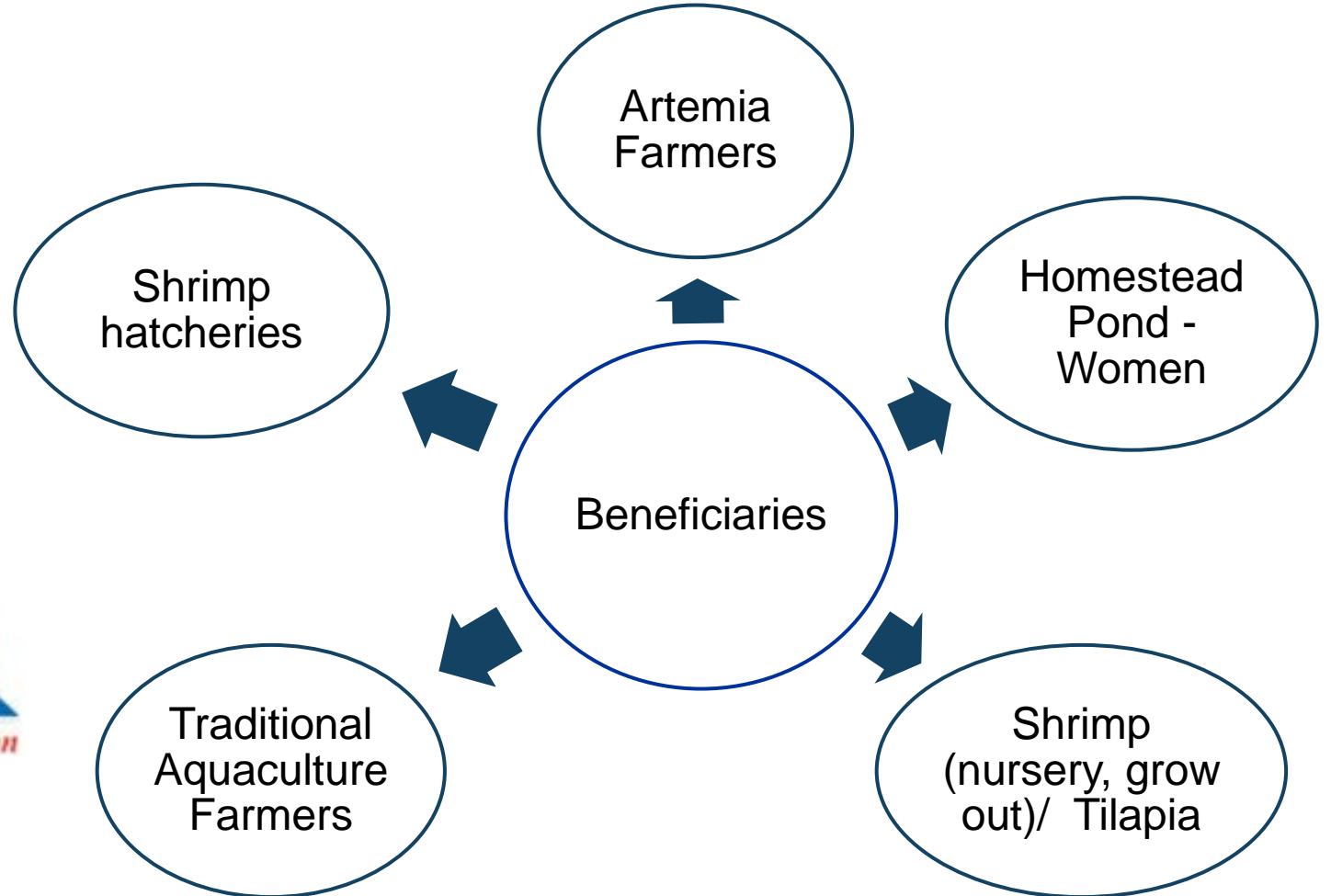
PROJECT GOAL, OBJECTIVE AND OUTPUTS



- **Goal:** To enhance agricultural and food systems in the Cox's Bazar area of Bangladesh
- **Specific objectives:** Increased productivity of salt producers and aquaculture farmers linked to Artemia-related innovative initiatives in the Cox's Bazar area



MULTI STAKEHOLDER APPROACH





INNOVATIONS

1. Approach - Multi Stakeholder, Gender integration, Salt Farmer Cluster, Small Scale Farmers, Locally Available Agricultural Waste Materials

2. Climate Smart Aquaculture Livelihood Options For The Salt Farmers, high salinity, low salinity and freshwater aquaculture

3. Artemia Pond Culture, Concurrent And Alternative Integration With Shrimp Culture, Tilapia Culture And Vegetable Production

4. Application of Locally Produced Artemia Cyst and Biomass in the Shrimp Nursery, Grow-out and Crab Hatchery

5. Artemia Biomass as Human Food



SCALABILITY

- Fifty Thousand Salt Farmer Families In Cox's Bazar, 30 Thousand Ha Salt Farm
- To the Southwest Coastal Region of Bangladesh
- Application of Cyst and Biomass in *Macrobrachium* Hatchery, Shrimp Hatchery, Nursery & Grow-out, Crab Nursing
- Artemia as Human Food, nutrition supplement
- To the Crude Salt and Aquaculture producing countries in the World



ARTEMIA PRODUCTION - CYST





ARTEMIA BIOMASS PRODUCTION



Live Artemia Biomass



Frozen Artemia biomass



Artemia biomass in Freeze



ARTEMIA BIOMASS - APPLICATION



Broodstock maturation



Hapa nursing



PL tank



ARTEMIA BIOMASS - APPLICATION



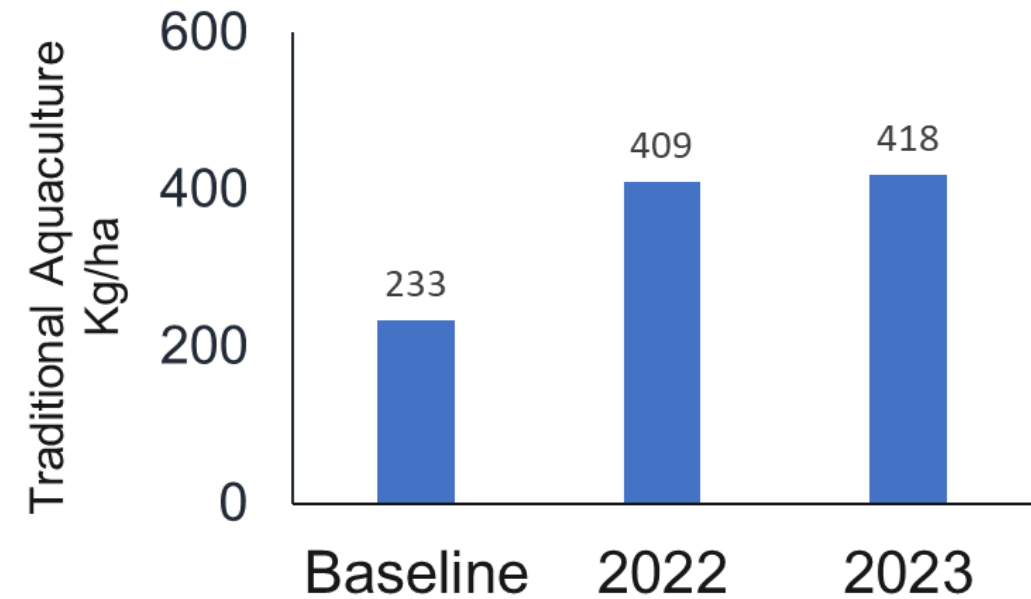


TILAPIA AND VEGETABLE PRODUCTION IN ARTEMIA PONDS





IMPROVED TRADITIONAL AQUACULTURE PRODUCTION



- Trained and Demonstration Framers area 800 ha



HOMESTEAD AQUACULTURE AND VEGETABLE PRODUCTION



- CARP – MOLA – TILAPIA POLYCULTURE



HOMESTEAD AQUACULTURE AND VEGETABLE PRODUCTION





ARTEMIA BIOMASS FOR HUMAN CONSUMPTION





Thank You