

PARTNERS

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Shanghai Ocean University (Shanghai, China)
FishAfrica (Nairobi, Kenya)
Oregon State University (Corvallis, Oregon, USA)



AQUATIC RESOURCE USE AND CONSERVATION FOR SUSTAINABLE FRESHWATER AQUACULTURE AND FISHERIES IN MALI



PROJECT LEADERS

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The AquaFish CRSP Mali project involves various stakeholders in the Mali aquaculture industry as beneficiaries, including farmers, fishers, fishing communities, extension and technical personnel, and members of local NGOs. Novice and prospective fish farmers will learn current, practicable techniques for the culture of tilapia and catfish in Mali. Rice producers will discover and apply techniques for producing crops of fish along with their rice crops. Members of Lake Sélingué fishing groups will participate in the development of a lake management plan that will ensure optimal and sustainable production.

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MALI PROJECT GOALS & OBJECTIVES

The goal of the project is to improve the productivity and income of producers in Mali by facilitating access to technologies and building capacity of stakeholders involved in freshwater fish farming and capture fisheries management.

GENERAL OBJECTIVES

- Facilitate access and adoption of improved aquaculture production technologies in targeted areas to increase and diversify the incomes of farmers
- Enhance the capacity of the GOM to develop and disseminate relevant technologies
- Identify appropriate strategies for implementing integrated rice-fish farming in target areas
- Help develop an appropriate fisheries management plan to ensure long-term viability and sustainability of capture fisheries in the target area
- Assist in establishing linkages for further development of aquaculture and fisheries in Mali

TAKING A SOUTH-SOUTH APPROACH TOWARDS COLLABORATION ACROSS THREE THEMES:



THEME I: POND CULTURE

ADVANCING SUSTAINABLE FRESHWATER AQUACULTURE PRACTICES AND TECHNOLOGIES

OUTPUTS:

- FISH POND WORKSHOP IN MALI: February 2009 in Bamako, led by Charles Ngugi with 24 trainees, including 5 from the Regional Fisheries Directorates in Bamako and Koulikoro.
- CATFISH PROPAGATION AND MANAGEMENT I: April 2009 in Kenya at the Sagana Aquaculture Center with four Malians traveling to Sagana.
- CATFISH PROPAGATION AND MANAGEMENT II: July 2009 led by James Mugo and Charles Ngugi at the Centre de Formation Pratique en Elevage in Bamako, Mali with 22 participants.
- PRELIMINARY ON-FARM TRIALS WORKSHOP: June 2009 in Bamako, Mali with 20 participants.
- Fish culture technologies and manual adapted from Kenya to Mali.

TOPICS COVERED:

- Aquaculture planning
- Site selection
- Fish species selection
- Hatchery management
- Farming economics and management
- Catfish management and propagation



THEME II: RICE-FISH

PROMOTING SUSTAINABLE RICE-FISH AQUACULTURE IN IRRIGATED SYSTEMS

OUTPUTS:

- TRAINING COURSE ON RICE-FISH CULTURE: September 2008 at the Shanghai Ocean University in China with two Malians.
- UP-TO-DATE TECHNIQUES FOR RICE FISH CULTURE IN CHINA: June 2009 in Bamako, Mali where two CRSP-trained Malians presented techniques on rice-fish culture to 21 participants.
- WORKSHOP ON APPROPRIATE AQUACULTURE POST-HARVEST TECHNIQUES: November 2009 in Mali.
- WORKSHOP ON TRAINING AND EXTENSION CAPACITY BUILDING FOR RICE-FISH CULTURE: November 2009 in Mali.



THEME III: FISHERIES PLANNING

BUILDING COMMUNITY AND CONSENSUS TOWARDS A FISHERIES MANAGEMENT PLAN

OUTPUTS:

- FIRST FISHERIES MANAGEMENT WORKSHOP: February 2009 on Lake Sélingué in Mali consisted of two 2-day sessions on conducting a frame survey for 31 participants.
- Analysis of the data from the February frame survey is complete and a full report was presented to the DNP.