



Partnerships for Enhanced Engagement in Research (PEER) Science

## STRENGTHENING INSTITUTIONAL CAPACITY FOR PARTICIPATORY ACTION RESEARCH FOR SUSTAINABLE AQUACULTURE PROJECT - PRESENTATION OF PROGRESS REPORTS ON 18<sup>th</sup> - 19<sup>th</sup> February 2015

The USAID – PEER Science project "Strengthening Institutional Capacity for Participatory Action Research in Sustainable Aquaculture invites all students whose projects are funded by the project, their supervisors and collaborators from other institutions for a two day workshop at the College of Agriculture and Veterinary Sciences, University of Nairobi. The aim of the workshop is to evaluate and review the status ongoing activities in the project.

Expected outputs of the meeting:

- Five (5) presentations from Post-Graduate students
- Ongoing work in the project evaluated and appropriate Changes recommended:
- The extent to which students are using participatory methods in their research approach will be assessed and recommendations made.
- Evaluation of the extent to which cross cutting issues such as gender and the environment are addressed in current projects and recommendations made.



# **STRENGTHENING INSTITUTIONAL CAPACITY FOR** PARTICIPATORY ACTION RESEARCH IN AQUACULTURE

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- Fish farming has the potential to contribute to the attainment of food and nutritional security in rural areas, increase incomes, and can be beneficially integrated with other farming systems. It requires relatively little inputs of land, labor and other resources compared to other farming enterprises and can provide food and nutrition security to the entire household, as well as much needed micronutrients for vulnerable members of the community.
- African countries, the sector is characterized by low yields and inadequate co-ordination among the various actors in the farmed fish value chain. Before the start of the Economic

Stimulus Program, fish farming contributed approximately 1% of the total fish produced in Kenva

# **Project Objectives**

The overall objective is to use Participatory Action Research approaches to develop, validate and disseminate technologies to enhance development of a vibrant and sustainable fish arming sector in in Kenya

Specific objectives: Build capacity in Participatory Action Research among Researchers in participating institutions. Engage stake-holders and evaluate factors that influence the farmed

fish value chain. Develop, validate and disseminate models of integrating fish farming with crop and livestock



farming. To evaluate the main impacts of fish farming on the environment and assess the safety of fish grown in ponds for human consumption

### Expected outputs

- Institutional capacity for Action Research in Aquaculture strengthened and a core-team of researchers and graduate students will be trained in Participatory Action Research
- Effects of different pond manuring/fertilization regimes on performance of tilapia (O. niloticus) and catfish (C. gariepinus) validated and documented.
- Inexpensive fish feeds for both catfish and tilapia using developed and validated using locally available raw materials.
- Quality of water used in fish farming evaluated and the safety of fish produced from aquaculture determined and documented.

### Proposed Interventions

TRAINING RESEARCHERS AND GRAUATE STUDENTS ON I) PARTICIPATORY ACTION RESEARCH



Doing research differently

VALIDATING MODELS OF INTEGRATING FISH FARMING INTO 2) LIVESTOCK FARMING





ENGAGING STAKE-HOLDERS TO PRIOTIZE RESEARCH AND 3) TRAINING NEEDS



