

Assignment : Katalyst Fisheries Sector Overall Results Chain

Task: Work with your colleagues to construct Katalyst's fisheries sector overall result chain.

Case information

1. Demand for fish in Bangladesh is high. If the sector expands, more farmers can earn cash income from fish cultivation and more day labourers can be employed in pond management.
2. Most available ponds are being used for fish cultivation, but productivity is low. If the sector wants to grow and meet demand, farmers need to increase their yields.
3. Fish is a relatively new cash earning activity. Farmers are often not aware of basic cultivation techniques to make fish grow faster
4. Farmers could increase their productivity if they would make use of more and better inputs: healthier fingerlings, appropriate levels of chemicals to prevent diseases, and balanced fish feed.
5. Nurseries would be able supply farmers with healthier fingerlings if the spawn they buy from hatcheries would be of a better quality.
6. Hatcheries face two problems when producing spawn. First, due to a lack of mature brood fish, there is often a problem of inbreeding. Secondly, it is difficult to find skilled 'technicians' that help manage the hatchery to grow fertilized eggs into vibrant spawn.
7. The current sources of fresh brood are a few public brood banks or the river that is getting emptier by the day. Because government doesn't want to expand their brood banks, privately owned brood banks would be a profitable business to supply hatcheries.
8. Good technicians are available in a neighbouring district, but they are not known to these local hatcheries. Identifying and linking capable technicians would help them contracting good technicians.
9. Agricultural input retailers focus on inputs for agricultural crops. They have little knowledge of fisheries related chemicals and are not able to advise the fish farmers who buy the chemicals. Training retailers enable them to advise fish farmers on chemicals use.
10. If nurseries would advise farmers better on handling fingerlings they would sell more and receive less complaints from fish farmers. Nurseries do not realize the value of such advice and also often lack the knowledge. Training nurseries would result in better advice to farmers.
11. If the association would to set up demonstrations on over-wintering techniques, this would help improve farmers' knowledge of innovative cultivation techniques that lead to higher productivity.
12. Conducting demonstrations on new fish species combined with feed application would also help improve farmers' knowledge of innovative cultivation techniques that lead to higher productivity.
13. If the association would lobby the local government for a physical market place for fingerlings, this would help farmers to get good quality fingerlings.
14. Assisting the fisheries association to organise these demos and introduce innovations also leads to a more capable and respected association to liase with government and input suppliers.