

# ADAPTATION CLINIC

One Stop Service for Climate Smart Agriculture

## WHAT IS ADAPTATION CLINIC

Adaptation clinic, a one stop agricultural service center for strengthening capacity of climate vulnerable farmers to manage the increasing risk of climate change. The main modality of this service center is to facilitate context specific regenerative agricultural practices with a climate change lens following the horizontal and vertical extension approach to minimize the gap in the agricultural production of the country.



**Climate change impacts:** Country is likely to be negatively affected by sea level rise and saltwater intrusion, mean temperature increases, rainfall variability, and an increase in the frequency and intensity of extreme weather events which could lead to falls in crop yields of up to 30%, creating a very high risk of food insecurity.



**Food Insecurity:** According to the UN World Food Program (WFP), approximately 25% of the population in Bangladesh remains food-insecure most of them are living in districts with high recurrence of climatic disasters.



**Unutilized fallow land:** In Bangladesh about 455,000 hectares of land remains fallow which is crucial to increase the food production but unavailability of suitable technologies including stress-tolerant cultivars, management options, irrigation facilities as well as extension supports are the key challenges.

## PRINCIPALS OF ADAPTATION CLINIC

- No fallow lands and No fallow periods
- Transforming single-cropped to double-cropped area, double-cropped to the triple-cropped area, and triple-cropped to quadruple cropped area by accommodating rice or non-rice crops
- Identify understand and management of climate risk in agriculture at local level
- Crop intensification through horizontal and vertical extension approaches
- Demand driven participatory approach
- Promoting context specific climate smart agricultural practices and techniques
- Year-round agricultural production following crop and disaster calendar



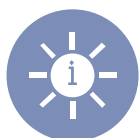
# HOLISTIC AGRICULTURAL SERVICES PROVIDED THROUGH ADAPTATION CLINIC



**Agriculture inputs support:**  
Access to quality farming input materials-climate-adaptive seeds variety, fertilizer, ad pesticides



**Advisory and Machineries support:**  
Soil and water test, climate adaptive techniques, per and post-harvest technology, gender friendly agro-tools and machineries, market linkage



**Weather & Climate Information:**  
Early weather-forecasting Macro and micro climatic information collection, translation and dissemination



**Farmer's Capacity Building:**  
Hands on training on resilient farming system, regenerative agriculture, market linkage, future planning and awareness on climate-risk

## THE ESTABLISHMENT OF ADAPTATION CLINIC

**Agricultural and Farmer's Profiling at local level:** Farmer's profiling will be carried out through block level survey along with FGD and KII in consideration with climate change vulnerabilities (CCVA tool), crop calendar, livelihood calendar, as well as adaptive capacities. In addition to this local level agricultural profile will be developed in the targeted area based on the collected baseline situation, cropping pattern and land use analysis.

**Developing locally led adaptive agricultural plan:** Considering the agro-ecological zone, local level climatic risk, farmer's capacity and market demand aspects, a local level year-round climate adaptive agricultural plan will be developed in participation with local farmers, government agricultural officer, local government and sector actors.

**Farmers' group formation, mobilization and capacity building:** Targeted farmers will be identified and facilitate to form a group and train them gradually to increase their knowledge on climate-adaptive and regenerative agriculture and capacitated them to cope with the adverse impact of climate change and acting accordingly. The farmer groups will be provided with different agri based support and training to make them change agents in transforming towards resilient agriculture in the area. The essential component in a community engagement approach is to make the Adaptation Clinic an open, accessible, co-creative space.

**Activating Adaptation Clinic:** Based on the information from the survey, FGD and, KII, the site for adaptation clinic will be selected in consensus with all stakeholders. Dedicated agro-expert and required number of field associates will be appointed for providing climate adaptive services to the targeted farmers. They all will facilitate, mentor, train and look after the progress of the activities in the local level adaptive agricultural plan as well as tapping in on new ideas of innovation through a process of mutual learning from the farmers. Providing climate adaptive agricultural services through Adaptation Clinic : Targeted farmers will be supported with climate adaptive agricultural techniques and practices following context specific need-based agriculture schemes including seed, tree sapling, fertilizer, bio-pesticide, rental services for agricultural machineries, soil testing facilities, and capacity enhancement training for the farmers along with strengthening market linkage to ensure economic growth of the marginalized farmers.

