Adaptation Planning and Logframe Development

Compiling Issues

From data collected from assessments and household surveys construct a problem tree.

- E: hot, cold, rainfall, drought, tropical cyclcones/flood, drought, landslides, flood
- S: breadfruit size, dalo size, pigs – infertile/no piglets,
- A: agr land, forest land, quality of water, infra type, disease type, biodiversity, etc.

Problem Tree contd

Household food insecurity

HIGH EXPOSURE

- Hot
- Cold
- Rainfall
- Drought
- Landslide
- Flood
- Tropical cyclone

HIGH SENSITIVITY

- Breadfruit size reduced
- Dalo size reduced
- Piglets - infertile

LOW ADAPTIVE CAPACITY

- Agri land
- Forest land
- Quality of water
- Infrastructure type
- Type of diseases
- No of people affected

Objective Tree

Household food security

EXPOSURE

•Hot/Cold - Promote awareness
•Rainfall /Drought – planting of drought tolerant crops varieties
•Landslide - Reduce deforestation, Increase tree planting, Contour farming, Adopt agroforestry, Village bylaws
•Flood – building houses away from rivers
•Tropical cyclone – building of cyclone proof houses/community houses

LOW SENSITIVITY

•Breadfruit size – planting the recommended varieties (waterlogged resistance)
•Dalo size
•Piglets – infertile – raising of hardy breeds

HIGH ADAPTIVE CAPACITY

•Agri land/Forest land – inc forest cover
•Quality of water – establishment of clean water systems/water tanks
•Infrastructure type – build bridges/roads
•Type of diseases/No of people affected – responsive/effective/preventive health services provided , promote awareness programs

E.G. Of SPC Adaption Programmes to Build Resilient Agri

- *Reducing exposure and Sensitivity*
  - Diversification of food production systems
    - ✓ Evaluation of existing and new Climate Resilient Crops (CePaCT)
    - ✓ Small livestock support and conservation of indigenous breeds
    - ✓ Supporting farmer manage seeds systems
  - Promotion of sustainable agriculture production technologies - soil health, traditional agroforestry systems, etc.

- *Adaptive Capacity*
  - Income diversification and market access support
  - Building capacity of research and extension services to respond to farmers needs and strengthen adoption of technologies
  - development and dissemination of improve technologies, practices and processes related to agriculture to increase resilience of the production systems and improve livelihoods (PIRAS)

Logical Framework

Objectives & activities	Objectives Verifiable Indicators (OVIs)	Baseline	End of the Project	Means of Verification (MOVS)	Assumption
GOAL (Impact): household food secured					
PURPOSE (Outcome) Food Productivity resilient to climate change	More people aware about Climate Change & its impact on food production, food production increased and sustained	Food production system vulnerability increased	Vulnerability will be decreased or be averaged	Project reports and Meterological data	CC is a reality and continues to impact our current and future livelihoods
OUTPUTS 1. minimise impact of climate change	Reduce deforestation, increase acreage of tree planting, Increase forest cover	Deforestation is an issue	Increased aforestation	project reports	More participation from Forestry/Environment Dept and other stakeholders….. Strong support from Govt and donors
2.Increase productivity	promote/adopt appropriate farming systems eg diversification etc, planting of resistant varieties, Raising of hardy breeds,	Productivity decreased for both crops and livestock,	Increase in quality & quantity,		
3.Strengthen adaptaion capacity	Building higher/solid bridges and roads, Creating awareness programs	Damaged infrastructure, Lack of proper drainage system,	adequate funding support provided, improved infrastructure/ drainage system		