International Training on

Systems Approach and Tools to Support Investment Decisions for Scaling Climate Resilient and Sustainable Farm and Food Systems

Program and Course Content

Day	Topics	Details of the topics covered	Approach
Day 1 Monday	• Introduction and Overview of the Course — How ssystems approach and tools can support investment decisions for scaling climate resilient agriculture and livelihoods under diverse context		
Day 2 Tuesday	• Tools and Approaches for Guiding Investment for Climate Smart Agriculture		
Day 3 Wednesday	Tools and Approaches for Guiding Investment for Climate Smart Agriculture System Analysis and System Tools for Designing Resilient, and Sustainable smallholder farming and livelihood systems	• Climate risk and agricultural systems assessments	• Lectures • Group work • Hands-on practice in using tools on the computer
Day 4 Thursday		• Unified approach for designing scaling of climate resilient farm and food systems (action plans)	
Day 5 Friday	System Analysis and System Tools for Designing Resilient, and Sustainable smallholder farming and livelihood systems Cultural/ Heritage cum field experience visits and interactions	• Why systems and analysis and modeling- examples of its application in the real world	• Lectures • Group work • Hands-on practice in using tools on the computer
Day 6 Saturday		• Application of bioeconomic modelling to identify promising adaptation strategies for crop-livestock systems under smallholder systems • Scenario analysis: Tradeoffs and implications for sustainable intensification in dryland agriculture	
Day 7 Sunday	Day for exploring		
Day 8 Monday	System Analysis and System Tools for Designing Resilient, and Sustainable smallholder farming and livelihood systems		
Day 9 Tuesday	System Dynamic Models for Evaluating and Identifying Entry Points to Inform Policy Decisions for building resilient and efficient Ag value chains	• Framework and user-friendly tool for assessing and tracking multi-dimensional sustainability of farming and livelihoods systems to support transitions to sustainable livelihoods • Hands-on exercise on using sustainability assessment tool	• Lectures • Group work Hands-on practice in using tools on the computer
Day 10 Wednesday	System Dynamic Models for Evaluating and	• Understanding risk and friction points across agricultural value chains	• Lectures • Group work

Day 11 Thursday	Identifying Entry Points to Inform Policy Decisions for building resilient and efficient Ag value chains	• Introduction to System Dynamics Model in agricultural context • Working with Stela Software to build and run System dynamics model	• Hands-on practice in using tools on the computer
Day 12 Friday	• Participants work on practical exercises • Feedback sessions Wrap up the course	• Value chain modeling- System dynamics approaches for analyzing and identifying leverage policy options to build inclusive and resilient agricultural value chains	