Activities	Deliverables			Timeline	
Description	**Ouput expected (draft and finals)**	**Delivery date (DD/MM/YYYY)**	**Jan**	**Feb**	**Mar**
Activity 1. Development of implementation planning and communication documents	1.1 CTCN Response Plan and detailed work plan	5/30/2020			
	1.2 Monitoring and Evaluation Plan				
	1.3 CTCN Impact Description				
	1.4 CTCN Impact Description updated post assistance	9/30/2021			
	1.5 Closure and Data Collection Report	9/30/2021			
Activity 2. Identifying and mapping areas that are particularly vulnerable to changes in climate (First Quarter 2020)	2.1 Climate data collation	9/15/2020			
	2.2 Database design				
	2.3 Spatial datasets and associated analysis for rainfall/precipitation and temperature trends, including: a. Number of days with precipitation b. Rainfall aggressiveness c. Mean annual precipitation d. Annual temperature ranges and trends				
	2.4 Hotspot and vulnerability assessment, including spatial assessments of extreme rainfall events and their frequency over the period 1998 to 2020.				
	2.5 Module to provide forecasting of extreme climate events (10-day forecasts) – to be integrated into decision dashboard (part of deliverable 2.6).	8/31/2021			
	2.6 Integration of hotspot and vulnerability assessments and maps into interactive decision dashboard.	8/31/2021			
Activity 3. Baseline assessment and mapping of land health (Second Quarter 2020)	3.1 Set of biophysical indicators or proxies for indicators that can be readily measured and monitored over time based on the Land Degradation Surveillance Framework (LDSF).	2/15/2021			

	3.2 Consistent protocols and analytical procedures for assessment of land degradation status and trends.	2/15/2021			
	3.3 Maps for the baseline mapping at fine spatial resolution (30m) conducted for; a. Soil condition (soil carbon, pH and other soil functional properties) b. Land degradation risk factors such as soil erosion and root-depth restrictions c. Cropland phenology and biomass/yields (where data is available to train predictive models) d. Spatial assessment of agricultural water use, particularly in irrigated areas.	4/30/2021			
	3.4 Analysis and maps of vegetation cover dynamics and trends at moderate spatial resolution for 2001 to 2020.	4/30/2021			
	3.5 Integration of vegetation dynamics analysis module into interactive decision dashboard.	8/31/2021			
Activity 4. Interactive decision dashboard integrating climate variables with soil and land health	4.1 A user-friendly decision dashboard where stakeholders can interact with both climate, vegetation cover and soil/land health maps and analysis results (see example in Figure 1).	8/31/2021			
	4.2 Crop suitability maps at moderate spatial resolution based on rainfall and temperature ranges integrated into the decision dashboard				

Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	August	September