Annex XIX: Summary list of all tested outputs and outcomes

Category	Question	Notes
ISFM practices		
Soil_Protection	Use of any soil protection	
q613	Do you practice crop rotation on one or more of the plots managed by your household?	
Chemical_Fertilizer	Did you use chemical fertilizer for growing any crop that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
Organic_Fertilizer	Did you use organic fertilizer for growing any crop that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
Improved_Seeds	Did you use organic fertilizer for growing any crop that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
ISFM	PCA index constructed using the indicators above	
ChemicalFert_Cassava	Did you use chemical fertilizer for growing cassava that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
OrganicFert_Cassava	Did you use organic fertilizer for growing cassava that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
ImpSeeds_Cassava	Did you use organic fertilizer for growing cassava that was harvested during the last 12 months?	Question was asked in an open manner (which inputs were used?)
q806	In the last planting season, did your household plant any improved cassava varieties?	
q807	In the last planting season, did your household plant cassava varieties resistant to CMD (cassava mosaic disease)?	
q808	In the last planting season, did your household plant cassava varieties resistant to CBSD (cassava brown streak disease)?	
Cassava_ImpVar_1 - Cassava_ImpVar_14	Dummies for the use of specific improved cassava varieties	
Credit		

Category	Question	Notes
q1105	Do you keep track (in writing or in your head) of how much you have spent on agricultural inputs for cassava in total in the last 12 months?	
q1106	Have you ever compared whether your production costs are more or less than the amount you would need to spend to buy the same amount of cassava on the market?	
q1104	If you were to take this opportunity, would you be able to obtain credit to buy this fertilizer?	
Credit_Purchase	Used credit to purchase inputs in the last 12 months	
Cassava yield		
Yield_1a	Cassava Yield (Harvest Per Hectare (ton/ha) based on plots where cassava was the most important crop grown in the last 12 months)	Excluding failed harvest (0 kg) & including farmers who did not harvest yet
Yield_1b	Cassava Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	Excluding failed harvest (0 kg) & including farmers who did not harvest yet
Yield_1a3	Cassava Yield (Harvest Per Hectare (ton/ha) based on plots where cassava was the most important crop grown in the last 12 months)	Including failed harvest (0 kg) & including farmers who did not harvest yet
Yield_1b3	Cassava Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	Including failed harvest (0 kg) & including farmers who did not harvest yet
Yield_2	Approximately, how many kilos of cassava do you harvest from a typical plant?	Approximate based on the number of tubers
Yield_3	Cassava Yield based on Ton Per Plant & Distancing Of Plants (ton/ha)	
Cassava Output		
HH_CassHarvest	HH Harvested Cassava In The Last 12 Months	Indicator for a (partly) successful harvest

Category	Question	Notes
Cassava_Harvest_excl	Cassava Harvest In Kg In The Last 12 Months	Excluding failed harvest (0 kg) & including farmers who did not harvest yet
Cassava_Harvest_incl	Cassava Harvest In Kg In The Last 12 Months	Including failed harvest (0 kg) & including farmers who did not harvest yet
Cassava_LandSize	Total number of hectares of land on which cassava was planted in the last completed season A and season B	
Cassava_PlotSize	Total number of hectares of plots on which cassava was the most important crop grown in the last 12 months	
q712_1	Have you sold any of cassava over the course of the last 12 months?	
Cassava_HarvSold	Kilo's of cassava sold as a percentage of the total harvest	
Other crops		
Cassava	Cassava is one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Beans	Beans are one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Sorghum	Sorghum is one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Maize	Maize is one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Soybeans	Soybeans are one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
IrishPotatoes	Irish potatoes are one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Rice	Rice is one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones
Groundnuts	Groundnuts are one of the 4 most important crops that were harvested in the last 12 months	Include failed crops as well if it's one of the 4 most important ones

Category	Question	Notes
Cassava_CultLand2	% Of Land Cultivated With Cassava	Divided by twice the total plot size if crop was planted in both season A and B to avoid percentages above 100
Beans_Land2	% Of Land Cultivated With Beans	Divided by twice the total plot size if crop was planted in both season A and B to avoid percentages above 100
Sorghum_Land2	% Of Land Cultivated With Sorghum	Divided by twice the total plot size if crop was planted in both season A and B to avoid percentages above 100
Maize_Land2	% Of Land Cultivated With Maize	Divided by twice the total plot size if crop was planted in both season A and B to avoid percentages above 100
Soybeans_Land2	% Of Land Cultivated With Soybeans	Divided by twice the total plot size if crop was planted in both season A and B to avoid percentages above 100
Beans_Yield	Beans Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
IrishPotatoes_Yield	Irish Potatoes Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
Rice_Yield	Rice Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
Sorghum_Yield	Sorghum Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
Groundnuts_Yield	Groundnuts Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
Maize_Yield	Maize Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	
Soybeans_Yield	Soybeans Yield (Harvest Per Hectare (ton/ha) based on hectares of land on which cassava was planted in the last completed season A and season B)	

Category	Question	Notes
Income and subjective well-being		
Total_Inc	Total income in the past 12 months	TotalNet_FarmInc + Total_OtherInc
Total_HHInc	Total HH Income Per Adult Equivalent Unit In Last 12 Months	
TotalNet_FarmInc	Net Total Farm Income In Last 12 Months	Crops_ProdValue - Total_Exp
Total_OtherInc	Total Other Income In The Last 12 Months	What was your household's net profit (including in kind payments) from other activities in the last 12 months?
NetProfit_Hectare	Net Profit Per Hectares Of Land	TotalNet_FarmInc/TotalPlotSize
assetpca	PCA index of household assets	Relative to DHS 2010 data
housepca	PCA index of dwelling materials	Weights constructed using EICV 2011
TLU	Tropical Livestok Unit	Weighted index for livestock
hiredlabor2	Dummy hh used hired labor for harvest of crops	Based on q704 (how did your household harvest?)
q1501	Concerning your current standard of living, which of the following is true?	Answers based on having enough to fulfill daily needs (1 to 3, the more the better)
q1503	Taken all things together how would you say things are going for you these days?	0 to 3, the more the better
Cassava income		
Cassava_MPrice	Mean price of cassava	Average of highest and lowest price for harvest sold in the past 12 months
q716_1_1	What was the highest price per kilogrammes sold at this outlet?	
q716_2_1	What was the lowest price per kilogrammes sold at this outlet?	
Cassava_PriceDiff	Mean difference In Minimum & Maximum Cassava Price	
Cassava_ProdValue_incl	Cassava Production Value (Price Median Per District)	Including failed harvest (0 kg) & including farmers who did not harvest yet

Category	Question	Notes
Cassava_ProdValue_excl	Cassava Production Value (Price Median Per District)	Excluding failed harvest (0 kg) & including farmers who did not harvest yet
Crops_ProdValue	Total Value Of Crops Produced In Last 12 Months (Median Prices Per District)	If more than 35 price obs are available
Food security		
Food_Consumption	Food Consumption Last 7 Days valued at median price per district	
FoodCons_AdultEqSize	Food Consumption Last 7 Days valued at median price per district per adult equivalent unit	
Months_NotSufficient	Nr. Of Months Of Not Sufficient Food Access In The Last 12 Months	
CopingStr_Index	Coping Strategies Index	
q1203	Yesterday, how many times did the adults in this household eat?	
q1204	Yesterday, how many times did the children (<15 year old) in this household eat?	
FoodCons_Score	Food Consumption Score	
Poor_FCS	Dum. FCS 0-21	
Borderline_FCS	Dum. FCS 21.5 - 35	
Acceptable_FCS	Dum. FCS >35	
WH_Moderately_Undernourished	Moderately undernourished child according to weight for height	Using WHO ANTHRO software, z-score < -3
WH_Severely_Undernourished	Severly undernourished child according to weight for height	Using WHO ANTHRO software, -3 < z-score < -2
_zwfl	Z-score for weight for height of children	Using WHO ANTHRO software
H_Moderately_Undernourished	Moderately undernourished child according to height for age	Using WHO ANTHRO software, z-score < -3
H_Severely_Undernourished	Severly undernourished child according to height for age	Using WHO ANTHRO software, -3 < z-score < -2
_zlen	Z-score for height for age of children	Using WHO ANTHRO software
W_Moderately_Undernourished	Moderately undernourished child according to weight for age	Using WHO ANTHRO software, z-score < -3

Category	Question	Notes
W_Severely_Undernourished	Severly undernourished child according to weight for age	Using WHO ANTHRO software, -3 < z-score < -2
_zwei	Z-score for weight for age of children	Using WHO ANTHRO software
Stunting	Dum. Female Resp. Height < 145cm	
Underweight	Dum. Female Resp. Weight < 45 kg	
BMI	Body Mass Index Of One Female Household Member In Reproductive Age	
Overweight	Dum. Female Resp. BMI > 25 Kg	
Mildly_Thin	Dum. Female Resp. BMI = 17.0 - 18.4 Kg	
Moderately_Thin	Dum. Female Resp. BMI = 16.0 - 16.9 Kg	
Severely_Thin	Dum. Female Resp. BMI < 16.0 Kg	
Nutrition		
ener_ad	Energie adequacy	
carb_ad	Carb adequacy	
prot_ad	Proteine adequacy	
Ca_ad	Calcium adequacy	
Fe_ad	iron adequacy	
Zn_ad	Zinc adequacy	
A_ad	Vitamin A adequacy	
B1_ad	Vitamin B1 adequacy	
B2_ad	Vitamin B2 adequacy	
B3_ad	Vitamin B3 adequacy	
B6_ad	Vitamin B6 adequacy	
B9_ad	Vitamin B9 adequacy	
B12_ad	Vitamin B12 adequacy	
C_ad	Vitamin C adequacy	