

Annex C

Scoring system



Modular version

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
2. Household characteristics	How many in the household are unable to work due to health/age reasons?	(# People unable to work /# Total number of people in household) *100	0%= 10, 1-10%= 7, 11-20%= 5, 21-30%= 3, 30%+= 0	12.1	AG_hh_ac_b
	Literacy (household head): What is the highest educational level of the household head?	Educational level of household head	None=0 Elementary /primary school=3 Secondary school=5 High school/Vocational training/Other informal training/education=8 Tertiary education (e.g. university)=10	12.4	AG_hh_ac_d
	Literacy (female – children): Do girls go to school? Do boys go to school?	Yes/No	Ratio: Girls: Yes, all of them= 10; Yes, only some=5; No= 0 Boys : Yes, all of them= 10; Yes, only some=5; No= 0 Score of girls/ Score of boys If ratio >=1, score is 10 If ratio <1, score is 0	12.3, 12.4	AG_hh_ac_c
	Literacy (female - adult): <ul style="list-style-type: none"> Have female adult household members completed any education programme or training? (e.g., agricultural training, vocational training) Have male adult household members completed any education programme 	Yes/No	Ratio: Women: Yes= 10, No= 0 Men: Yes= 10, No= 0 Score of women/ Score of men If ratio >=1, score is 10 If ratio <1, score is 0	12.3, 12.4	AG_hh_ac_a

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
	or training? (e.g., agricultural training, vocational training)				
	Are women youth (aged between 15 and 24) in the household in employment, education or training?	Yes/No	Yes= 10, no= 0	12.4	AG_hh_ac_e
	Are men youth (aged between 15 and 24) in the household in employment, education or training?	Yes/No	Yes= 10, no= 0	12.4	AG_hh_ac_f
	In the last 2 years, has any women migrated to find work elsewhere?	Yes/No	Yes= 10, no= 0	12.9	AG_hh_ac_i
	In the last 2 years, has any men migrated to find work elsewhere?	Yes/No	Yes= 10, no= 0	12.9	AG_hh_ac_j
	Do elders (or experienced people living in your household) contribute to the education of children? (e.g. Traditional cultivation techniques, prediction of weather events, reading/writing)	Yes/No	Yes= 10, no= 0	11.1	AG_hh_ac_g
	In the last 2 years, how has the overall health of the majority of the people in your village/area changed?	Options from list	Improved a lot= 10 Improved a bit=7 Not significant change=5 Worsened a bit=3 Worsened a lot=0 Don't know= 5	12.8	AG_hh_ac_h
3. Agricultural production activities	Are any of the below-mentioned activities carried out in your farm?	# of different activities carried out	1= 0, 2= 5, 3= 7, 4+= 10	4.2	AG_agr_ac_a
	Which best describes your level of production and/or commercialization?	# and type of options selected	I am a subsistence farmer, production is mostly for household and farm use= 2 I produce at small-scale, but I manage to sell few products to local consumers= 7 I sell mostly to local markets/customers, but some	10.5	AG_agr_ac_b



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			production is consumed by family and farm= 10 I am a fully commercialized farmer (sell goods mostly to regional, national or international markets)= 0 I am a contract farmer (with a company, supermarket or government)= 5		
4. Land access	In the last 12 months, how much land did you have access to for your agricultural/pastoral activities? (total amount of ha)	Total of ha inserted across all types of land	Less than or equal to 0.3= 0; 0.4- 1 ha=3; 1.1- 5 ha=6; more than 5.1ha =10 Sum scores for each type of land selected, maximum of 10.	5.4	EN_landac_ac_a
	In the last 12 months, what type of land did you use for your agricultural activities?	Whether the following options are selected: Communal agricultural land; Communal forest land; Pastures land	If any of the options selected from the list=10 Other options=0 Average among the options selected	1.4	EN_landac_ac_b
	In the last 12 months, what type of land did you use for your agricultural activities?	Whether private land is selected	Private land=10 Other options=0	13.10	EN_landac_ac_c
	Do you feel secure with your land tenure?	Yes/More or less/No	Yes=10 More or less =5 No= 0	13.10	EN_landac_ac_d
	Did you convert any natural land (prairie, forest, or savannah) to production land during the last five years?	Yes/No	Yes=0 No, there is no natural land on the farm (there has never been)=5	8.9	EN_landac_ac_e

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			No, the existing natural land on the farm was left as is (still present)=10		
5. Crop production	In the last 12 months, which main seasonal crop species (in terms of income or food provision) did you plant? + In the last 12 months, which main perennial crops (in terms of income or food provision) did you have in your fields?	Number of species listed across both seasonal crops and perennials	1=0 2=1 3=3 4=5 5=6 6=8 7+=10	4.1; 6.6	AG_crop_ac_b
	*In the last 12 months, did you have any perennial crops growing in your fields?	Presence of perennials	Yes= 10, no= 0	2.1; 6.5	AG_crop_ac_a
	Number of varieties cultivated across species	Crop diversity: total number of varieties (seasonal and perennial, maximum 10) /total number of crop species (seasonal and perennial)	If total number of varieties/ total number of species is 1, score=0 If total number of varieties/ total number of species is 1.1-1.5, score=5 If total number of varieties/ total number of species is >1.5, score=10	5.1	AG_crop_ac_c
	What are the main sources of your crop seeds or plants? (both seasonal and perennial)	Number of sources selected	1= 0, 2= 5, 3+= 10	3.1, 5.5	AG_crop_ac_d
	Which actions did you take to process, add value and maintain high quality in your crops and products?	List of options selected	No action taken/Gift to friends=0 Storing seeds/Storing products seeds/products=3 Improved cleaning of the product=4 Sorting/packaging/quick cooling/Drying=6	13.7	AG_crop_ac_e



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			Good refrigerated storage/good transportation and distribution/transforming the product/processing =10 Sum scores across selected options. Maximum score=10.		
	During the last 3 years, was your household able to afford enough seed for each growing season?	List of options selected	No /Rarely= 0 Sometimes=3 Often=7 Always=10 Not necessary because household saved seeds=10 Other=7	13.8	AG_crop_ac_f
	What is the origin of your main crops? (Use of local seed varieties)	Origin of seed varieties and share	Only local/native varieties=5 Only new/non-native species, including improved seeds (e.g., heat resistant, high yield) =0 A mix of both - about half of native and half of new species=10 Mostly local/native varieties, with a small share of new varieties=7 Mostly new/non-native species, with a small share of local varieties=3	2.3; 11.6	AG_crop_ac_g
	Use of adapted crop varieties to local conditions	Yes/No	Yes, most of them=10 Yes, but only some=5 No, almost none=0	7.6	AG_crop_ac_h
	What type of rice production do you practice? (if applicable)	System types	Upland dry rice= 10	8.10	AG_crop_ac_i

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			Irrigated continuously flooded=0 Irrigated intermittently flooded=5 Rainfed flood-prone=5 Rainfed drought-prone=10 Deepwater rice=10 Other (specify)=5		
	In the last 3 years, how have your yields changed?	Trend in yields	Increased=10 Remained the same=5 Decreased=0	13.9	AG_crop_ac_j
	How do you manage crop residues, processing residues, and organic matter?	Manure management options	Reused (e.g., through compost, as a soil cover, animal feed, biofuel or other uses)=10 Left in piles or taken off farm=5 Burned or discharged into waterways=0	2.2	AG_crop_ac_k
6. Weed species and management	In the last 12 months, have you seen any weeds on your fields?	Yes/No	Yes= 10, no= 0	7.1	EN_weed_ac_a
	What practices have you used to manage them?	# of practices used among the following: Cover crops; Hand weeding; Hoe weeding; Associating my main crop with other crops; Livestock grazing	I did not take any action=0, 1=5; 2=7 3+=10	7.1	EN_weed_b
7. Pest management practices	In the last 12 months, were your crops significantly affected by any pest or disease?	Yes/No	Yes= 10, no= 0	7.4	AG_spm_ac_a
	In the last 12 months, did you use any pest/disease management practices for the affected crops?	Yes/No	Yes= 10, no= 0	7.4	AG_spm_ac_b



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	What practices have you used? (general)	Number of different practices used	No=0 1 options= 0 2 options=4 3 options=7 4+ options=10	4.5	AG_spm_ac_c
	What practices have you used? (synthetic pesticide use)	Practices selected	"I apply synthetic pesticides preventively..."=0 "I use synthetic pesticide specific to the crop..."=5 "Use one pesticide no more than two times or in mixture in a season to avoid pesticide resistance ..."=5 All other options=10 Average across selected options	8.4	AG_spm_ac_d
	What practices have you used? (agro-ecological pest management practices used)	Practices selected	"Traps, repellent and natural pesticides" and/or "Create and preserve places..." and/or "Practice of crop rotation" and/or "Mixed cropping and/or intercropping" and/or "Adjustment of planting time" and/or "Application of crop spacing" and/or "Adopting pasture rotation to suppress livestock pest population" =10 All other options=0 Average across selected options	11.5	AG_spm_ac_e

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	Do any of the synthetic pesticides used on your farm have a red band around the container or on the label?	Options	Yes, they all have labels with instructions on dosage, safety, etc. that I understand=8 Yes, they all have red labels but with no instructions=0 No=10	12.8	AG_spm_ac_i
	In the last season, how often did you use pesticide protective gear when using synthetic pesticides?	Frequency options	Never= 0 Sometimes= 5 Always= 10	12.1	AG_spm_ac_h
	What did you do with the containers after you have used the products?	Options from list	Gave to collectors (such as recycling facilities)=10 Threw away in the trash =6 Re-used/Threw near a water stream/Threw away on ground/ other =0	2.5; 8.4	AG_spm_ac_g
8. Livestock production practices	In the last 12 months, did you have any farm livestock?	Yes/No	Yes= 10, no= 0	4.1; 6.7	AG_animal_ac_c
	What type of livestock system do you identify your holding with?	List of options	Large industrial or Extensive livestock productions are selected=0 Other options=10	8.6	AG_animal_ac_d
	Number of species owned	Number of species ranked (maximum 5)	Number of species: 1=0 2=4 3=7 4+=10	4.1	AG_animal_ac_a
	Breeds diversity (including cross-breeds)	Breed diversity: total number of breeds owned for selected animal /total number of animal species owned	If total number of breeds/ total number of species is 1, score=0 If total number of breeds/ total number of species is 1.1-1.5, score=5	5.1	AG_animal_ac_b



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			If total number of breeds/ total number of species is >1.5, score=10		
	Use of local breeds	Origin of breeds and share	Only local/native breeds =5 Only new/non-native breeds, including improved breeds (e.g., heat resistant, high yield) =0 A mix of both - about half of native and half of new breeds =10 Mostly local/native breeds, with a small share of new breeds =7 Mostly new/non-native breeds, with a small share of local breeds=3	2.3; 11.6	AG_animal_ac_e
	Use of adapted breeds to local conditions	Yes/No	Yes, most of them=10 Yes, but only some=5 No, almost none=0	7.6	AG_animal_ac_f
	Does your farm consist mostly of ruminant production (e.g. cattle, goats, sheep)?	Yes/No	Yes=0, no=10	2.4, 8.6	AG_animal_ac_g
	What is the main type of manure management system used on the farm?	Manure management system	Open-air lagoon or discharged into water bodies=0 Direct use (collected and spread on cropping area, left on pasture)=5 Compost or decomposition by bacteria without oxygen (biodigestion)=10	2.4, 8.6	AG_animal_ac_h
	What is the main source of your young stock?	Number of different sources selected across species	1 type of source only= 0 2 types of sources=5	5.5	AG_breed_ac_a

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9. Livestock breeding practices			3+ types= 10 Types across all the animal species owned		
	Have you tried to breed better animals on farm?	Yes/ No	Yes= 10, no= 0 Average across the species	10.2	AG_breed_ac_b
10. Livestock nutrition and health	In the last 12 months, did you lose a significant proportion of your animals?	Yes/No	Yes= 10, no= 0	7.5	AG_health_ac_a
	Which statement best describes the way livestock diseases are managed on the farm?	Disease management (options from list)	I give animals medication routinely to prevent them from becoming sick or I do not provide my livestock with any veterinary care (I do not know what to do)= 0 I follow my veterinarian or a local expert's recommendation for the treatment of diagnosed diseases and/or I vaccinate my livestock as needed =10 I do not consult professionals or experts about animal diseases (e.g. I use traditional knowledge)= 7	4.5	AG_health_ac_b
	Which statement best describes the way livestock diseases are managed on the farm?	Disease management (options from list – access to veterinary services or expert advice)	I vaccinate my livestock as needed or I follow my veterinarian or a local expert's recommendation for the treatment of diagnosed diseases=10 If none of the options is selected=0	9.2; 3.6	AG_health_ac_c
	Do you give food supplements to them? (including concentrate feeds (grains)	Yes/No for each animal species owned	Yes= 10, no= 0	5.7	AG_health_ac_d



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	produced on own farm, purchased concentrated feeds and synthetic supplements)		Average score across species owned		
	Do you keep them grazing on pasture or agricultural lands during part or throughout the year?	Yes/No for each animal species owned and for which the question is applicable	Yes= 10, no= 0 Average score across species owned	10.6	AG_health_ac_e
	Are your animals housed at day and/or night?	Yes/No for each animal species owned	Yes= 10, no= 0 Average across species owned	12.7	AG_health_ac_f
	Use of local seed varieties	Options from list	If only local/native =5 If only new/non native=0 If mix of both =10 If mostly local/native =7 If mostly new/non native =3	2.2; 11.6	AG_new_ac_a
	Use of local animal breeds	Options from list	If only local/native =5 If only new/non native=0 If mix of both =10 If mostly local/native =7 If mostly new/non native =3	2.2; 11.6	AG_new_ac_b
	Are they adapted to current local conditions? (crop varieties)	Yes all/most; yes some; no	Yes all/most =10 Yes some =5 No =0	7.6	AG_new_ac_c
	Are they adapted to current local conditions? (animal breeds)	Yes all/most; yes some; no	Yes all/most =10 Yes some =5 No =0	7.6	AG_new_ac_d
11. Farm inputs	Please indicate how easy it has been for you to access each of the following types of input in the last 12 months:	Options for applicable inputs	Easy=10 A bit difficult=5 Difficult=0 Average score across options	3.1	EC_input_ac_a
	Do you usually have more than one supplier for the selected farm input?	Options for applicable input	Many =10 Only few =5	5.10	EC_input_ac_b

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			No =0 Average score across options		
12. Water access and management	In the past 12 months, how many sources of water did you have access to (please specify sources for household consumption and for agricultural use)?	Number of accessible water sources for each purpose (household consumption, agricultural field irrigation and livestock)	1=0 2=6 3+=10 Average score across three purposes for applicable sources	5.2	EN_wacc_ac_a
	Can your household usually afford to pay the fees (direct payments and/or maintenance fees) for using water for agriculture (e.g. irrigation or livestock)?	List of options	No=0 Rarely=2 Sometimes=5 Often=8 Always=10 No need to pay=10	13.5	EN_wacc_ac_b
	In the last 12 months, did you do anything to improve water conservation in your farm system and household?	Number of water conservation practices used	I did not do anything=0 1=2 2=4 3=6 4=8 5+=10	8.3	EN_wacc_ac_c
	Does your household treat water before drinking it (any treatment method: boiling, allowing to settle, filter, chemical treatment, etc.)?	List of options	No, water is potable/household does not believe treatment is necessary=8 Never, household does not know/cannot afford=0 Rarely=2 Sometimes=5 Often=8 Always=10	12.8	EN_wacc_ac_d



Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
13. Water quality	In the last 3 years, have you observed any of the following processes near your main water sources?	Number of processes options selected from list	0= 10 1= 8 2= 5 3= 2 4+=0	7.7	EN_wqa_ac_a
	What actions has your household taken to deal with these problems?	Number of actions taken to deal with problems (unless not applicable is selected)	Not done anything =0 1=2 2=4 3=6 4=8 5+=10	8.3	EN_wqa_ac_b
14. Soil quality and land degradation	For the main fields you grow crops on, please specify: Main soil colours observed:	Type of colour (not applicable if selected 'other' or 'not able to determine soil colour)	Dark brown=10 Red-brown or orange=5 Yellow=2 Grey=0 If more than one colour selected, average across scores for each selected type	2.9	EN_landqa_ac_a
	Please list the main soil degradation processes you have observed in the last 3 years:	Number of problems options selected from list	No soil degradation observed=10 1=8 2=6 3=4 4=2 5+=0	7.7	EN_landqa_ac_b
	Have you observed any trend in the main process(es) listed	Options chosen from list: increased, remained the same; decreased	Increased=0 Decreased=10 Remained the same=5 Average of the selected options	8 (new)	EN_landqa_ac_e

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
	Generally speaking, when water falls on the soil in your fields (e.g. during rain or irrigation), does it...	Option chosen from list: drain normally; drain quickly; does not get absorbed	Drain normally=10 Drain quickly=3 Not get absorbed=0	2.9	EN_landqa_ac_c
	Generally speaking, is the soil on your land soft and easy to till? (even if the farmer does not till)	Yes/ No	Yes=10 No=0	6.3	EN_landqa_ac_f
	Have you seen insects inside the soil in your fields? (e.g. earthworms, termites)	Yes, many Yes, few No	Yes, many=10 Yes, few=6 No=0	2.9	EN_landqa_ac_d
15. Land management practices	In the last 12 months, did you take any actions to improve or preserve the quality of your soil?	Yes/No	Yes= 10, no= 0	8 .1	EN_slm_ac_a
	Which ones?	Number of practices used among list: crop rotation, rotational grazing, fallowing/shifting cultivation, wind break/hedge, intercropping, living fences, liming, vegetative strips, agroforestry, terracing or boundary planting, manuring/composting, gully control/rehabilitation, mulching; cover crops; building earth or soil bunds; planting nitrogen fixing annual or perennial plants	0=0 1=2 2=4 3=6 4=8 5+=10	6.1, 8.1	EN_slm_ac_b
	How do you determine how much fertilizer (synthetic or natural) to apply to your crop(s)?	Options from list	We apply fertilizer based on a careful assessment of our soil and crops (including farmer observation, professional tests, or analyses)= 10	2.6	EN_slm_ac_c



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			We apply fertilizer based on general advice for the region or for our crop(s)= 5 Based on how much we can afford without any assessment=2		
	What percentage of your cultivated land is intercropped?	Percentage of land intercropped	1-20%=0 21-40%=4 41-60%=6 61-80%=8, 81-100%=10 unable to estimate =0	6.5	EN_slm_ac_d
	Over the last year, did you use any of the following measures to mitigate the environmental risks associated with the use of fertilizers: (If manuring /composting, urea and/or synthetic fertilizers are selected)	List of options: Avoid application before and after (forecasted) rainfall event Split fertilizer application according to crop uptake Avoid application on steep slopes or in areas prone to flooding Use enhanced efficiency fertilizers (urease inhibitor Use buffer strips along water courses	If one option in the list is selected=5 If two or more are selected=10. Did not use any=0	8.1	EN_slm_ac_e
16. Trees	Do you have any trees on your land?	Yes/no	Yes= 10, no= 0	2.7, 6.2, 8.5	AG_trees_ac_a
	In the last 3 years, was there any change to the number of trees on your farm?	Increased/decreased/remained the same	Increase=10 No change=5 Decrease=0	2.7, 8.5	AG_trees_ac_b
	How would you describe trees and their distribution on your land?	Distribution of trees among the list	Few and scattered=0 Many scattered evenly throughout the land =8 Bordering the land=6	2.7	AG_trees_ac_c

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			Commercial plantation=6 A forested area= 10 Mangroves =10 Other (specify)=5		
	Approximately how many different types/species of trees grow on your land?	Total number of tree species	1=0 2-5=4 6-10=6 11-15=8 16-20=9 21+=10	4.1	AG_trees_ac_d
	In the last 3 years, has the diversity (number of different types) of trees on your land:	Increased/decreased/remained the same	Increased=10 Remained the same=5 Decreased=0	8.5	AG_trees_ac_e
	Do you have access to forest outside your farmland with the possibility to use tree products (timber and non timber products)?	Yes/ No	Yes= 10, no= 0	6.5	AG_trees_ac_g
	In the last 3 years, has it been...	Improved/degraded/remained the same	Improved=10 Remained the same=5 Degraded=0	6.5	AG_trees_ac_h
	Which of the following tree products do you use? (Timber and non-timber forest products) (on-farm trees)	Number of options selected among the following: food product (for people); natural remedies (for animals); natural remedies (for people); products for the protection of crops (e.g. neem); soil fertilizers; craftsmanship; feed products (animal consumption)	0= 0, 1= 4, 2= 7 3+=10	11.4	AG_trees_ac_f
	Which of the following tree products do you use? (Timber and non-timber forest products) (forest trees)	Number of options selected among the following: food product (for people); natural remedies (for animals); natural	0= 0, 1= 4, 2= 7 3+=10	11.4	AG_trees_ac_i



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		remedies (for people); products for the protection of crops (e.g. neem); soil fertilizers; craftsmanship; feed products (animal consumption)			
17. Landscape characteristics	What kind of landscape surrounds your main field?	Number of elements excluding "Cultivated area"	1=0 2=4 3=6 4=8 5+=10	6.3; 4.9	EN_lands_ac_b
	What kind of landscape surrounds your main field?	Landscape types selected	Degraded land, Constructed area=0 Cultivated area=5 Pasturelands, planted trees/hedges, wild unmanaged area, tree plantations, grasslands =7 Forest areas, protected natural area, water body, mangroves=10 Score is average of scores for each selected option	7.3	EN_lands_ac_c
	In the last 12 months, have you regularly observed beneficial insects (bees, wasps, ladybugs, ants, etc.) in your fields?	Options from list	Yes many of them=10 Yes, some=7 Barely/ No=0	2.5; 7.3	EN_lands_ac_a
18. Energy sources	Please specify and rank the main energy sources you use for your household and agricultural activities (all sources)	Count out of all options given in the list (for applicable purposes)	1=0 2=6 3+=10	5.3	EN_enerso_ac_b

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

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			Average across all purposes reported		
	Please specify and rank the main energy sources you use for your household and agricultural activities (environmentally friendly sources)	Environmentally friendly and/or local sources of energy options: Solar, Wind, Biogas, domestic waste, agricultural residues, wood residues, manure	<p>No environmentally friendly option selected= 0 Domestic waste= 4 Agricultural residues= 4 Wood residues= 4 Manure= 4 Wind= 6 Biogas= 6 Solar= 7</p> <p>If, for a given purpose, more than one option is selected, score equals the sum of selected options, up to a maximum score of 10</p> <p>Average score across all purposes reported</p>	2.8, 10.5	EN_enerso_ac_a
19. Energy conservation practices	Do you use any of the following practices to reduce your energy consumption?	Options from list	<p>No practice used= 0 1 (except for 'no practice used')=3, 2 (except for 'no practice used')=7, 3+ (except for 'no practice used')=10</p>	8.2	EN_enercp_ac_a
20. Shocks	In the last 3 years, has your household or farm system been affected by any unexpected climate shock (extreme event)? +	Yes/No	<p>Climate shock: Yes= 10, no= 0 Other shock: Yes= 10, no= 0</p> <p>Average climate and non-climate shocks</p>	7.2	SO_cc_ac_a



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	In the last 3 years, has your household or farm system been affected by other types of shocks?				
	Shock/extreme event	Number of shocks reported (climate and non-climate shocks)	1=0 2=10 3=5 4+=0 Average climate and non-climate shocks	7.2	SO_cc_ac_b
	How many times did it happen in the last 3 years?	Number of times the shock was experienced for each type selected	1=0 2=10 3+=5 4+=0 Average across scores for selected disturbances (climate and non-climate shock separately) Average climate and non-climate shocks	7.2	SO_cc_ac_c
	How damaging was this event for your household?	Options	Low-minor=10 Medium-moderate=5 High-major=0 Average climate and non-climate shocks	7.2	SO_cc_ac_d
	Impacts of the most important shock	If "No major change/impact" is selected	No major change/impact=10 Other=0 Average climate and non-climate shocks	7.2	SO_cc_ac_e

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
	Which strategies have you tried in the farm to cope with this change? (most important shock)	List of coping strategies implemented:	<p>IF following options selected=10</p> <ul style="list-style-type: none"> • Shift to crop production • Shift to animal production • Change the crop/animal varieties /breeds • Test different land management practices • Test different water management practices • Off-farm employment • Started an education programme (outside agriculture) • Started an education programme (inside agriculture) • Started a business • Borrowed money from cooperative or village fund (community source) <p>IF Relied on aid organizations or government support = 5</p> <p>IF others= 0</p> <p>Average climate and non-climate shock</p>	9.4	SO_cc_ac_i
	Have you and other household members changed behaviour in response to these changing patterns? (e.g. Change in agricultural practices)	Yes/No	Yes= 10, no= 0	9.4	SO_cc_ac_f



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	If the worst of the negative events you just mentioned were to occur in the next 12 months, how long do you think it would take for your household to return to a satisfactory situation?	List of options	Less than a month=10 Between 1 and 3 months=7.5 Between 3 and 6 months=5 More than 6 months=2.5 Our household would not be able to recover=0	3.5; 13.1; 13.4	SO_cc_ac_g
	If the worst of the negative events you just mentioned were to occur in the next 12 months, who do you think would be most likely to assist your household?	List of options	Nobody/Don't know =0 Family/relatives, friends, local government, national government, aid organizations, other =7 Insurance company, financial institution =10	3.5; 13.1; 13.4	SO_cc_ac_h
21. Access to information on weather and climate change adaptation practices	In the last 12 months, did you have access to information on future weather and natural events?	Yes/ No	Yes= 10, no= 0	3.3	AG_infoac_ac_a
	In the last 12 months, did you have access to information on cropping/livestock adaptation practices?	Yes/ No	Yes= 10, no= 0	3.3	AG_infoac_ac_b
	Over the past 12 months, did you have access to information on sustainable resource management and agricultural practices?	Yes/ No	Yes= 10, no= 0	3.3	AG_infoac_ac_c
	Where did you access that information? (weather forecasts)	Number of sources (maximum 3 can be selected)	1= 0 2= 8 3= 10	3.3	AG_infoac_ac_d
	Where did you access that information? (Climate adaptation practices)	Number of sources (maximum 3 can be selected)	1= 0 2= 8 3= 10	3.3	AG_infoac_ac_e
	Where did you access that information? (weather forecasts)	Options from this list: extension workers (from government, non-governmental organizations,	If none of these options is selected, score=0 If one option is selected =8 If two or three options=10	9.2, 11.2	AG_infoac_ac_f

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		projects); traditional forecasters/ indigenous knowledge; farmer organizations, coops, community-based organizations; farmer field schools			
	Where did you access that information? (climate adaptation practices)	Options from this list: extension workers (from government, non-governmental organizations, projects); traditional forecasters/ indigenous knowledge; farmer organizations, coops, community-based organizations; farmer field schools	If none of these options is selected, score=0 If one option is selected =8 If two or three options=10	9.2, 11.2	AG_infoac_ac_g
	Overall, how helpful was this information? (weather forecasts)	Usefulness	Very=10 Somewhat=5 Not very much=0	9.2	AG_infoac_ac_h
	Overall, how helpful was this information? (climate adaptation practices)	Usefulness	Very=10 Somewhat=5 Not very much=0	9.2	AG_infoac_ac_i
22. ICTs	Do you have access to any electronic device to access information?	Yes/No	Yes= 10, no= 0	3.3	EC_ict_ac_a
	Select the electronic device that you use	Options from list	0=0 1= 6 2+= 10	3.3	EC_ict_ac_b
	Do you own it?	Yes/ No # of types of devices owned	Yes=10 No=0	12.3	EC_ict_ac_c



Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			Average Across the selected options		
23. Access to markets	In the last 12 months, were you able to sell the products from your farm system you wanted to sell?	Options: Yes, most of them, Yes, but only few, No	Yes, most of them=10 Yes, but only few products=5 No=0	3.5	EC_mkt_ac_a
	Did you sell your products...	Options: Alone, informal producer group, formally registered producer group	Alone=0 Through an organised producer group (informal)=7 Through an organised producer group (formally registered)=10	1.2; 10.1	EC_mkt_ac_h
	Where did you sell your products?	Number of options selected among the following: local market; cooperative/farmers' organization/ other types of group selling; farmer fair	None of the listed options=0 One of the options=7 Two or more=10	1.2	EC_mkt_ac_b
	Where did you sell your products?	Whether options 'Mainly to an intermediary/dealer' or 'street' options are selected	If only 'Exclusively to an intermediary/dealer' or 'street'=0 If 'Exclusively to an intermediary/dealer' or 'street' are selected but also other options=5 If 'Exclusively to an intermediary/dealer' and street' options are NOT selected=10	10.4	EC_mkt_ac_d
	How do you set prices for the products you usually sell?	Options	Through the cooperative /farmers' organization=10 Price chosen based on available information= 8 I take the market's prices= 5	1.2, 10.4, 3.3	EC_mkt_ac_c

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Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			The dealer establishes them=0 Other (specify)=N/A		
	Are these prices usually...	Options: low, fluctuating a lot, good enough	Low=0 Fluctuating a lot= 4 Good enough=10	13.3	EC_mkt_ac_f
	Are you involved in any certification scheme to for example increase the price at which you sell your products?	Options	Yes, organic/Yes, fair trade/Yes, origin indication/Yes, other=10 No, but I am currently undergoing a certification process=5 No=0	3.5; 9.5	EC_mkt_ac_e
24. Income sources, expenditures and savings	In the last 12 months, how many different income sources did you have in the household?	Number of income sources	1=0 2=5 3+=10	13.2	EC_inc_ac_e
	Was any of them from a non-farm activity? (e.g. paid labour, cash transfers, charcoal selling, remittances)	Yes/No	Yes= 10, no= 0	4.3	EC_inc_ac_h Former EC_iga_a
	Among agriculture and non-agriculture activities, what was (were) your household's main income source (s)? (please rank them according to importance)	Rank and inclusion of following options: Crop production; livestock production; agroforestry; aquaculture; beekeeping; fishing	If one option from list is ranked as 'main source', score=0 If no option from list is included=10 Final score is the sum of all scores obtained across three sources	13.2	EC_inc_ac_b
	What were your household's largest expenditures and/or investment? (please rank from largest to smallest)	Rank given to options: farm equipment, irrigation infrastructure, breeding animals	If rank 1= 10 If rank 2=7 If rank 3= 5 If not selected= 0	12.6	EC_inc_ac_a
	After these expenditures, were you able to save some money?	Yes/ No	Yes= 10, no= 0	13.6	EC_inc_ac_c



Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
	Can your household afford your children's school fees and school supplies?	Options	No=0 Rarely=2 Sometimes=4 Usually=6 There is no need to pay the fees, but can't afford the supplies=7 Always/There is no need to pay the fees, and can afford the supplies/There is no need to pay the fees or supplies=10	12.6	EC_inc_ac_f
	In the last 3 years, would you say your agricultural activities have been profitable?	Yes/Yes, but not always/No	Yes =10 Yes, but not always =5 No=0	13.4	EC_inc_ac_g
25. Major productive assets	Rank by importance the major productive assets that your household owns	List of options	We do not own any=0 1 option except for 'I do not own any'= 4 2 options except for 'I do not own any'= 7 3 options except for 'I do not own any'+= 10	13.4; 4.6	EC_ass_ac_a
26. Access to financial services	In the last 3 years, has your household ever needed external financial support when faced with unexpected expenditures?	Yes/No	Yes= 10, no= 0	7.9	EC_fin_ac_a
	Have you been able to receive the support?	Yes/ No	Yes= 10, no= 0	13.1, 1.5	EC_fin_ac_b
	What was (were) the main source (s) of support?	# of options selected	1=0 2=7 3+=10	5.9	EC_fin_ac_c
	What was (were) the main source (s) of support?	Types of providers	If "Traders or shopkeepers" and/or "Dealer/ Supplier" is selected=0	4.6	EC_fin_ac_d

SELF-EVALUATION AND HOLISTIC ASSESSMENT OF CLIMATE RESILIENCE OF FARMERS AND PASTORALISTS (SHARP+)

Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			Other selected option =10		
27. Insurance	Are your goods (e.g. crops, livestock, land) insured (financially protected) against loss or damage?	Yes/ No	Yes= 10, no= 0	13.5	EC_ins_ac_a
28. Community cooperation	Did you join other community members to address the problem?	Yes/No	Yes= 10, no= 0	1.3, 10.1	SO_coop_ac_a
	In your community, do you have customary mechanisms in place to deal with problems within and/or across communities?	Yes/No	Yes= 10, no= 0	1.3, 10.1	SO_coop_ac_b
	Which ones?	If 'Elder's committees/ councils' is selected	Elder's committees/ councils =10 Other=0	11.3	SO_coop_ac_c
	Do you usually trust members of your community to help you in times of need?	Options	Yes, always=10 Yes, most of the times=7 Yes, sometimes=4 No=0	3.4	SO_coop_ac_d
	Do you feel that some households in your village/area have different economic or political opportunities than others linked to their religion or ethnic/minority group?	Options	No =10 Yes, a few households=8 Yes, less than half the households=6 Yes, about half the households=4 Yes, more than half the households=0 Don't know = 0	3.4	SO_coop_ac_e
29. Group membership	Are you, or any other member of your household, member of any groups, organizations or associations?	Yes/ No	Yes= 10, no= 0	1.1	SO_group_ac_a
	Are you, or any other member of your household member of any groups, organizations or associations?	Whether a person participates in either of the following group:	0= 0 1 (of the list)= 7, 2+ (of the list)= 10	9.1	SO_group_ac_d



Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
		(Agro-pastoralist/Farmer) Field School, Agricultural producer's group (including marketing groups); Livestock producer's group (including marketing groups); Fisheries producer's group (including marketing groups); Water users' group; Watershed management group; Forest users' group; Tree Nursery Group 29.1=yes			
	Were any of these groups initiated by your community?	Yes/ No 29.1=yes	Yes= 10, no= 0	1.1	SO_group_ac_b
	Please list the types of groups you (or another household member) actively participate to	# of different groups	0=0 1=5 2=7 3+=10	4.4	SO_group_ac_c
	Why do you (or household member) belong to this group?	Number of options selected among: Sharing experiences; Learning/training; Testing new practices; Access to information (e.g. markets, weather); Meet other farmers; Meet experts (e.g. researchers)	None from the list=0 One of the list=7 Two+=10 Total score is average for each group selected	9.1	SO_group_ac_e
	Does your community organize any festival linked to key moments of the season (e.g. coinciding with harvest, planting, flowering)?	Options	Yes, and it is a meaningful event for the community=10 Yes, although it is not as important as it used to be=7 No, they have disappeared=4 No, we never had them=0	12.7	SO_group_ac_f

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Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
			I don't know=0		
	Are you (of the household member) the leader of any of these groups? 29.1=yes	Yes/No	Yes= 10, no= 0	12.3	SO_group_ac_g
30. Meals	Did anyone in the household eat the type of food in question over the last day and night?	Yes/ No for each food category in list. There are 12 categories of foods, so HDDS goes from 0 to 12	If HHDS= 1, score= If HHDS= 2, score= 1 HHDS= 3, score= 2 [...] If HHDS= 11+, score= 10.	4.7, 12.1	SO_meal_ac_a
	Where do you usually source your food from?	Diversity of the sources selected	1= 0 2 =5 3=7 4+=10	10.8	SO_meal_ac_d
	In the last 12 months, have you been able to stock food to be used later in the year (e.g. cereals, tubers)?	Options	Yes, throughout the year=10 Yes, only during/after the harvest time=7 Other=5 Not at all=0	5.6	SO_meal_ac_b
	Do you have access to a cereal bank in your community?	Yes/ No	Yes= 10, no= 0	5.8	SO_meal_ac_c
	Do you have any granary/storage facilities at home?	Yes/ No	Yes= 10, no= 0	12.3	SO_meal_ac_e
31. Decision-making (Household)	(1) What portion of these decisions are made by men? + (2) To what extent did you feel you can participate in the decisions?	(1) For each question asked options include: All or most; About half; Few or none, Not applicable (2) (if applicable) For not at all, small extent, medium extent,	For (1) All or most=0 About half=10 Few or none=0 Average of score for each applicable question For (2) not at all=0 small extent=3	12.5	SO_dmhh_ac_a



Theme	Question	Unit	Score	Agro-ecosystem indicator	Code database
		to a high extent, prefer not to say	medium extent=6 to a high extent=10 Average of the (1) & (2) for each applicable question		
	What portion of these activities are shared between men and women?	Options: All or most; About half; Few or none, Not applicable	All or most=10 About half=5 Few or non=0 Average of score for each applicable question	12.5	SO_dmhh_ac_b
32. Decision-making (Farm management) <i>Only for 3.1 = agriculture or livelihood</i>	(1) Who makes the decision? + (2) To what extent do you feel you can participate in the decisions?	(1) For each question asked options include: Yourself, your partner, you and your partner jointly, other relative jointly you and other relative; other unrelated person (2) For not at all, small extent, medium extent, to a high extent	For (1) All or most=0 About half=10 Few or none=0 Average of score for each applicable question For (2) not at all=0 small extent=3 medium extent=6 to a high extent=10 Average of the (1) & (2)	12.5	SO_dmfarm_ac_a
	What portion of these activities are shared between men and women?	Options: All or most; About half; Few or none	All or most=10 About half=5 Few or none=0 Average of score for each applicable question	12.5	SO_dmfarm_ac_b
33. Government policies and	In the last 3 years, have you or other household members participated in any	Yes/No	Yes= 10, no= 0	9.3: 12.8	GO_gov_ac_a

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programmes on climate change and sustainable agriculture	government programme or project related to climate change and/or sustainable agriculture? 33.1=yes				
	Who participated in these policies or programmes? 33.2=yes	Options	All household members similarly=10 Only men=0 Only women=5	12.5	GO_gov_ac_d
	If yes, please indicate what services and benefits you received from participation to the programme/project 33.2=yes	Options	Education/training =10 Cash transfers/In kind support=5 Provision of information (e.g. surveys, census) =0 Legal advice (e.g. resource management) =7 Other (Specify)=5 Average across selected options	12.8	GO_gov_ac_b
	Has there been any forest management initiatives at community level? (e.g. afforestation of reforestation projects)	Yes/No	Yes= 10, no= 0	1.4	GO_gov_ac_e
	In the last 3 years, have you participated in any other project or programme?	Yes/No	Yes= 10, no= 0	9.3: 12.8	GO_gov_ac_c