TOWARDS DEVELOPMENT OF M&E PROTOCOL TO ASSESS IMPACT OF CLIMATE SERVICES FOR FARMERS:
PRE-ASSESSMENT SURVEY, ANALYSIS GUIDELINES & SYNTHESIS GRID WORKSHEET

ON THIS SYNTHESIS GRID, PLEASE NOTE THE ORIGINAL QUESTIONS/DATA SOUGHT ARE FOUND IN THE LEFT HAND COLUMNS, THE CENTER COLUMN IS FOR DATA ENTRY AFTER SYNTHESIS, AND THE RIGHT HAND COLUMN INFORMS WHERE IN THE PA THE DATA MAY STEM FROM

SECTION I. COMMUNITY PROFILE

Questions/topics	Data	PA Segment derived from
1. Village name		• Key informant (parts A & B)
2. Total population		○ Sections I-III
3. N surveyed: • HH • Key Informant • FGD		
4. Main livelihoods in the village (e.g. Farmers, pastoralists, Petty trade, immigration, etc.)		
5. Proportion		
6. Population ratio of men: women		
7. Main ethnic groups/tribes/castes in the village		
8. Proportion		
9. Religions practiced in the village • Proportion		
10. Types of HH		
11. % of HH that you classify as : • rich • medium • poor 12. Classification criteria :		
13. Average number of children		Key Informants/HH survey

What You Get From This (WYGFT): Identification of key social cleavage lines/divisions within the community (breaks in population homogeneity), towards identifying the different perspectives that will need to be captured throughout the evaluation process (defining N).

SECTION II. CONSTRAINTS ENCOUNTERED IN AGRICULTURE IN THE AREA:

Questions/topics	Data	PA Segment	
14. Main problems/constraints encountered in agriculture?		Key Informant Part B	Section III: Questions 1-6
		Focus Group Discussions (FGD)	Section II: Qs 1-5
15. Top 3-5 risks/threats to agricultural productivity?		Key Informant Part B	Section III: Qs 2-3
		FGD	Section II: Qs 4
16. Is climate a major risk?		Key Informant Parts A&B	Section III: Qs 1-6
		FGD	Section II: Qs 5

What You Get From This (WYGFT): *Understand various constraints farmers face in their agriculture:* ***is climate a limiting factor****? Are climate-related risks significant constraints to improving the lives, livelihoods and productivity of farmers in the area?* ***Which climate related risks are most significant to agricultural productivity*** *in the area (which if anticipated and managed appropriately, would be beneficial to increase agricultural productivity in the area)*

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SECTION III. INFORMATION TYPES – INFORMATION & DECISIONS: INFORMATION CURRENTLY USED BY COMMUNITY TO INFORM DECISIONS IN AGRICULTURE

Question	Data (enter in table below)								PA Segment	
17. Information→Decisions									Key Informant Part B	Section III: Q 6-7
									HH Survey	Section II: Q2
Type of Information serving as decision trigger:	1. When you prepare fields	2. Crop/ variety	3. Buying seeds	4. When to plant	5. When to turn the land	6. When to weed	7. When to apply fertilizer / pesticide	8. When to harvest		
FACTORS THAT INFLUENCE DECISIONS										
Category 1. Indigenous Knowledge										
Category 2. Personal Experience										
Category 3. Observations										
Category 4. Traditional Cropping calendar										
Category 5. Climate forecast										
Category 6. Advice from Expert outside the community										
Other (specify):										

Question/Topic	Data	PA Segment	
18. a. Is this community satisfied with current information they utilize to inform their agricultural decisions?		Key Informant Part B	Section IV-Q
		FGD	Section III: Q 7
18.b If not, what specific additional information do they require to be able to better inform their agricultural decisions under climate uncertainty?		HH Survey	Section IV:Q4-5

What You Get From This (WYGFT): Understand **what information** farmers in the area are currently using to make decisions in their agricultural activities, and determine their farming calendar for the season. **How is information used specifically**: to influence which specific decisions? Leading to **which particular changes in practices/behaviors/skills**? Are there **different types** of information accessed by men and women farmers?

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SECTION IV. INFORMATION FLOW: MOST RELEVANT COMMUNICATION CHANNELS

Question	Data	PA Segment	
19. Where do you get your important information and whom do you share it with? Through which communication channel?		Key Informant Part A	Sections IV-V
		Key Informant Part B	Section IV-Q5; Section V-Question 1
		FGD	Section IV: Q8-10
		HH Survey	Section IV: 1-3

Type of information	a. Where do you obtain each type of information [if obtain from multiple places, please use multiple lines to designate where, and whom it is shared with] *(see codes below):*	b. Person information is **obtained from**: 0=spouse; 1=non-spouse relative; 2=friend; 3=neighbor; 4=leader; 5= village official; 6=experts; 7=other (please specify); 99=n/a.	c. Person information is **shared with:** 0=spouse; 1=non-spouse relative; 2=friend; 3=neighbor; 4=leader; 5= village official; 6="experts"; 7=other (pls specify); 99=n/a.	d. **When** do you share this information ? *(see codes below)*
Information about crop farming				
Information about livestock;				
Information about climate (scientific)				
Information about climate (traditional)				
Other information (please specify)				
Other (please explain):				

Codes a. At village meetings; 02-At the village chief's office; 03-At NGO sponsored meetings/trainings; 04-At the market; 05-At traditional meetings; 06-In the village center/near shops; 07-At their homes-I seek them out; 08-At my home, if they come visit; 09-At women's associations/groups; 10-At men's groups; 11-At farmers co-ops; 12-Sports groups; 13-Over the radio; 14-Via SMS; 15-Via written notice; 16-other
Codes d: 01-as soon as I learn about it; 02-when it is convenient; 03-when I get home; 04-when it comes up in conversation; 05-during meetings; 06-when I see the person I want to share the information with; 07-when I coordinate with others; 08-when I remember; 09-other (please specify).

Question/topic	Data	PA Segment	
20. If applicable, which system is in place to communicate climate information in the community? Draw flowchart tracking the flow of information from the Met Service to the community. Be sure to specify communication channels used in each line of the flowchart. Also specify (if any) channels through which information spreads to other communities.		Key Informant Part A	Sections IV-V
		Key informant Part B	Section V:Q 10
21. How can we improve current system of climate information communication across the village? →i.e. where do you get climate info??		Key Informant Part A	Section V
		Key informant Part B	Section V:Q 1-9
		FGD	Section IV: Q8-10

Question/topic	Data	PA Segment	
22. Most effective channels to get information to this community		Key Informant Part A	Section V
		Key Informant Part B	Section V:Q1-4
		FGD	Section II:Q7
		HH Survey	Section IV:Q1-2
23. Most effective channels to ensure information gets to women in this community:		Key Informant Part A	Section V
		Key informant Part B	Section V:Q 9
		FGD	Section IV:Q10
24. Relevant channels to reach other Under-represented groups in the village?		Key Informant Part A	Section V
		Key Informant Part B	Section V:Q 9
		FGD	Section IV:Q10

What You Get From This (WYGFT): Understand which communication channels are most salient to reach men and women farmers with information services in the target area.

SECTION V. CONTROL & ACCESS: GENDER ROLES IN AGRICULTURE AND DECISION-MAKING

Question	Data	PA Segment	
25. Who controls the following means of production in the community/HH?	(Fill in table)	Key Informant Parts A & B	Section VI
		FGD	Section VII: Q 31-32
		HH Survey	Section V:Q5

Resource / means of production	Who _controls_ each of the following resources? (not specific names of people, e.g. Husband, wife, male child, female child, other relative, outsider, village government, etc.)	Can women _access_ this resource equally? 01=yes; 00=no	Is this resource _most utilized_ by 01=women; 02=men; 03=equally/both
Farm land			
Seeds (subsidies)			
Fertilizer			
Pesticide / fungicide			
Cart & traction (bullocks / horse)			
Farming equipment			
Labor (hired)			
Fodder			
Grazing areas			
Traditional medicinal plants			
Construction material			
Livestock			
Credit			
Training/capacity building			
Markets			
Farm related information			
Climate related information			
Other (explain):			

Question/topic	Data	PA Segment	
26. Do men and women have equal access to land in this community? Explain:		Key Informant Parts A & B	Section VI: Q 1-6
		FGD	Section VII: Q28-29
		HH Survey	Section V
27. Do people own their land in this community? Specify conditions under which land was obtained:		Key Informant Parts A & B	Section VI: Q 2-6
		FGD	Section VII:Q28-29
		HH Survey	Section V
28. Specify conditions Under which new land is allocated in this community: how do youth acquire new land?		Key Informant Parts A & B	Section VI: Q 1-3; 10,11
		FGD	Section VII:Q28
29. Which specific crops are grown by : • Men • Women		Key Informant Parts A & B	Section VI: Q8
		FGD	Section VII:Q30
		HH Survey	Section V:Q3-4

What You Get From This (WYGFT): **Understand different gender roles in agriculture in the area, and different decision-making roles within the household.**
Towards better understanding of who controls information and has decision-making power to make use of received information (socio-cultural barriers and opportunities for information use in support of agriculture)

SECTION VI: CLIMATE: ACCESS TO CLIMATE INFORMATION SERVICES:

Question	Data	PA Segment	
30. Which specific climate information has this community been receiving? How did they influence decision-making? Leading to which specific impacts?		Key Informant Part A	Section V
		Key Informant Part B	Section VII
		FGD	Section V
		HH Survey	Section VI: Q1 (exact)

Type of information received:		a. Which climate information have you been receiving?	b. How often do you receive this information?	c. From whom/how did you receive the information?	d. How much time ahead of forecast event did you receive this info?	e. Who usually receives the information in the household?	f. Did information come with advice on how to use the information in your farming?	g. Were you able to use the advice? (did you apply the advice?) Why/ why not? (note details)	✔ h. What practice did you change?
		(01=Yes, 00=No)	*01=daily 02=weekly 03=monthly 04=seasonally*	*List up to three*	*01= months, 02= weeks, 03= days, 01= a few hours*	*01=Husband, 02=Wife 03=Both 04= Child 05= Other family member (specify)*	*(01=Yes, 00=No*	*(01=Yes, 00=No*	
Forecast of an extreme event (e.g.: heavy rains, storm, dry spell, strong winds, storm, cyclone, tidal surge or other)	R K E X								
Forecast of the start of the rains (onset)	F C R N								
Forecast of the rains for the following 2-3 months (seasonal forecast)	F C M N								
Forecast of the weather for today and/or next 2-3 days	F C D Y								
Forecast for parasites or plant/animal diseases	R K P D								

Codes c: 01-Radio; 02-Television; 03-Gov't ag/vet extension; 04-NGO project officers; 05-friends; 06-relatives; 07-neighbors; 08-Meteorological office; 09-teachers in local schools; 10-newspaper; 11-traditional forecast/indigenous knowledge; 12-your own observation; 13-local farm group/co-op; 14-local village meetings; 15-local social events; 16-religious organization; 17-cell phone (SMS); 18-internet; 19-other (explain below).

31. TOWARDS CISs IMPACT PATHWAY

Question/Data	Data		PA Segment	
Table to chart Impact Pathway	Fill in table		Key Informant Part A	Section V
			Key Informant Part B	Section VII
			FGD	Sections IV-V
			HH Survey	Section VI:Q2, 13
Gender	Climate information used (report from column a in previous question)	How do you specifically use this information: on which crop? To inform which decision?	Which specific practice(s) in your agriculture did using this information change?	Which specific impact / results in your agriculture have you noticed following this change of practice?
Female				
Male				

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Question							Data (fill in table)	PA Segment	
								FGD	Section V:Q21
								HH Survey	Section VI:Q8

32. If you could receive five types of climate information to enable you to better manage climate-related risks in your farming activities, what would these five types of climate information be? Please mention what format you would prefer to receive the information in, from whom and by when. Finally, please rank them by importance [1st=most important—5th=least important]

a. Type of Information **(key)**	Total times named (1-5)	Ranked #1 (most often ranked as)	b. Lead time (not correlated, top answers listed)	Times named	c. Format **(key)**	d. Who (Messenger)	e. Rank: type of information

Guidelines for -Type of Information: 1 Forecast on rainfall expected over the season (seasonal rainfall outlook)- specify whether total rainfall quantity needed or distribution over the season:; 2: Forecast on onset; 3: Forecast on end of the rainy season; 4: Number of days of rainfall; 5: temperature forecast (specify average or extremes); 6 monthly update of climate forecast; 7. Daily and weekly weather forecast; 8. Real time weather information (daily rainfall and temperature); 9: probability of extreme weather events (heavy rainfall events or dry spells occurring); 10: other (please specify). **Key for Lead time**: *1: at beginning of season (mention exact month/period desired); 2: a month before forecast events; 3: a week before forecasters know; 4: as soon as forecaster know.* **Key for-format**: *1:sms in cell phones; 2:voice message in cell phone; 3:radio message; 4: television program; 5:extension agents visits; 6:visit from NGO; 7:word of mouth; 8:newspaper 9:advertisement; 10: village communicator; 11: village elder; 12: other (specify)* **Key for - Who**: *1: central weather station, 2: local extension agents, 3. Local weather station 4: Traditional forecaster, 5: Traditional leaders, 6: Expert farmers; 7:NGO workers, 8: Friends, relative , 9: other (pls specify))*

Question	Data	PA Segment	
33. CHANGE IN HH: What accompanying measures are needed in this community to enable early action based on received climate information? E.g. even if you received an early warning alert would you be able to engage in alternative livelihoods or recommended substitute crops?		FGD	Section V:Q20
		HH Survey	Section VI:Q9-11

SECTION VII: TRUST

Question	Data	PA Segment	
34. What makes forecast information on climate trustworthy? Under which circumstances would you trust forecast climate information enough to use it to inform your key agricultural decisions e.g. when to plant plough weed harvest etc. *(Note to enumerators: Probe respondent to understand what mediates farmer's trust in climate information to determine each key decision in the season)*		Key Informant B	Section VIII: Q 1-2; 6-7
		FGD	Section VI:Q26
		HH Survey	Section VI:Q13; Section VII
35. What makes you trust the forecast or early warning forecast for a dry spell/wet spell/storm/flood? (if don't receive=n/a):		Key Informant B	Section VIII: Q 1-2, 6-7
		FGD	Section VI:Q26
		HH Survey	Section VI:Q13;

Question	Data	PA Segment	
36. Who do they go to for advice on problems related to agriculture or climate?		Key Informant Part B	Section IX: Question 1-2
		FGD	Section VI: Q23, 27
		HH Survey	Section VII:Q3
Key: a. Village leader b. Traditional leader/healer c. Child or relative who has been educated d. Village official (village government member, committees etc.) e. District government representative f. NGO staff g. Researcher h. Government agriculture extension agent i. "Expert" farmer j. Successful/wealthy farmer in the community k. Neighbor l. I do not usually seek out someone for further information m. Religious/spiritual leader n. Other (please explain who people in your community go to for advice):			

Question	Data	PA Segment	
37. a. Do women have the ability to seek advice or instruction to explain things they do not understand in their farming climate and weather challenges?		FGD	SectionVI:Q24
		HH Survey	Section VII: Q5-8
b. If yes, who do they generally go to?			
c. Why or why not?			

What You Get From This (WYGFT): Understand who are the most trusted messengers/ what are the sources of information farmers trust most?

SECTION VII: MEASURES OF SOCIAL RESILIENCE

38. Please tell us about your HH food supply for this past year:

Question/topic	Data	PA Segment	
a. Did you produce enough for the entire year?		HH Survey	Section VIII:Q1
b. How many months can your harvests support your family?			
c. If it is not enough, how do you cover the gap? (fill in codes below)*			
d. Is your supply increasing, decreasing or constant year to year?			
e. What factors contribute to this (in)consistency?			

*Codes: 1=sell assets (eg. Livestock, land, jewelry, etc. Please specify); 2=get food from relatives; 3=purchase food using cash from nonagricultural resources; 4=receive food aid; 5=other (please specify)

Question/topic	Data	PA Segment	
39. Is Agriculture your main source of income?		HH Survey	Section VIII:Q2
40. Community average of total revenue earned from agriculture in the past 12 months?			
41. Other sources of income within households (e.g. remittances, wage labour, jobs, renting land to others, etc.). Community average of total revenue earned from these other sources of income:		HH Survey	Section VIII:Q3
42. Did community borrow funds or goods (such as food staples) over last rainy season ? If so, from whom and how much on average? What were the funds or goods used for?		Key Informant B	Section IX: Questions 2-7
		HH Survey	Section VIII:Q4
43. Has this community received other farm support in the past 12 months? If so, what type of support? (e.g. subsidized seeds, subsidized fertilizer, subsidized fodder, subsidized farm tools/machinery, subsidized food, other).		Key Informant B	Section IX: Questions 2-7
		HH Survey	Section VIII:Q5
44. How does this community cope during climate events?		FGD	Section VIII:Q36

Question	Data	PA Segment	
45. The last time they had very poor harvests, how did they recover?		Key Informant B	Section IX: Questions 2-7
		HH Survey	Section VIII:Q6a
46. What was the most important thing that helps you during climate hazards or in the face of climate related changes?		Key Informant B	Section IX: Questions 1-7
		HH Survey	Section VIII:Q6b

**What You Get From This (WYGFT):** _What are key assets that farmers resort to/forfeit when confronted with a climate shock._