On this Worksheet, please note the original questions/data sought are found in the left hand column, an overview of how these questions/data translate to baseline appropriate inquiry are found in the center, the right hand column offers suggestions of types/formats of questions to ask.

### **SECTION I. COMMUNITY PROFILE**

Questions/topics	Transition to baseline → keep same	Topics to assess → Baseline Questions derived from PA
Village name		
Total population		
N surveyed :		
• HH:		
<ul> <li>Key Informant</li> </ul>		
• FGD		
Main livelihoods in the village	e (e.g. Farmers, pastoralists, Petty trade, immigration, etc.)	
Proportion		
Population ratio of men: wor	men	
Main ethnic groups/tribes/ca	astes in the village	
Proportion		
Religions practiced in the vill	age	
<ul> <li>Proportion</li> </ul>		
Types of HH		
% of HH that you classify as :		
• rich		
• medium		
• poor		
Classification criteria :		
Average number of children		
	Village name  Total population  N surveyed:  HH:  Key Informant  FGD  Main livelihoods in the village  Proportion  Population ratio of men: work  Main ethnic groups/tribes/ca  Proportion  Religions practiced in the vill  Proportion  Types of HH  of HH that you classify as:  rich  medium  poor	Village name  Total population  N surveyed:  HH:  Key Informant  FGD  Main livelihoods in the village (e.g. Farmers, pastoralists, Petty trade, immigration, etc.)  Proportion  Population ratio of men: women  Main ethnic groups/tribes/castes in the village Proportion  Religions practiced in the village Proportion  Types of HH  % of HH that you classify as:  rich medium poor  Classification criteria:

<u>What You Get From This (WYGFT):</u> 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	Transition to baseline	Topics to assess → Baseline Questions
14. Main problems/constrai nts encountered in agriculture (from FGD)	<ul> <li>→ For baseline, there should be location specific questions about their major problems encountered in agriculture.</li> <li>→ How do people directly deal with the problems that were learned about during the PA?</li> <li>→ Baseline questions should attempt to quantify constraints and their impacts in individual HHs</li> <li>• Economic constraints → Collecting data on HH economics, livelihoods</li> <li>• Agricultural input constraints → access to land, access to inputs, sources of inputs, resources</li> <li>• Climate based constraints → mitigation/coping strategies; past responses to climate constraints, impact of these constraints on farm yields</li> </ul>	1) → What is food production level? Quantification of food production  • acresbought/sold agricultural products  • crops -market value  • yields -livestock owned, bought sold  2) →land ownership/land access-how much do people have. Quantification of land owned/accessed [BASED ON PA, Distinguish 'OWN' LAND, 'ACCESS' LAND etc. USE UNITS SPECIFIED IN PA]  • acres/owned;  • acres/rented/borrowed;  • gender disaggregated  3) → food security/yields  • see above (yields change over time.)  4) cost of living  • Quantification of HH assets,  • expenses, type housing,  • business investments  5) Ag factors  • crop losses,  • disease or other pests  • inputs available  6) Presence of soil erosion, gullies, other issues
15. Top 3-5 risks/threats to agricultural productivity	→ Frequency and number for each type → For baseline: ask open ended risk question, then recap summary from PA. Ask how people specifically mitigate/cope with the top risks given for the area.	<ul> <li>→ Risks assessment for baseline:</li> <li>→ Ask risks baseline, monitoring, note changes</li> <li>→ For baseline—Open ended questions</li> <li>→ List top risks assessed from PA; do people face these risks? Y/N at baseline</li> <li>→ As mitigation and coping strategies for top risks for a community.</li> </ul>
16. Is climate a major risk?	→If climate is a risk, then specific questions about how people face/cope with climate risks will be appropriate for Baseline and M&E	→How is climate risk/hazard mitigated? How do you cope?

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).

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

Question	Transition to	baseline						
17. Information→decisions	BASELINE TRANSITION→ KEEP TABLE AS IS. See transition over time if Climate Information Services increase in prevalence as key important information						key	
Type of Information serving as decision trigger:	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):	1	1	•	1	1	1		•

Question/Topic	Transition to baseline	Examples → Baseline Questions
18. a. Is this community satisfied with current information	→ Keep question as is, to mark changes in and/or	→ Is this community satisfied with current
they utilize to inform their agricultural decisions?	satisfaction with information in community	information they utilize to inform their
18.b If not, what specific additional information do they	→Simple yes/no, stratify by gender	agricultural decisions?
require to be able to better inform their agricultural decisions under climate uncertainty?	→Bundle with questions about "additional information" people would require/want	→ If not, what specific additional information do they require to be able to better inform their
		agricultural decisions under climate uncertainty?

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?

#### SECTION IV. INFORMATION FLOW: MOST RELEVANT COMMUNICATION CHANNELS

Question	Transition to baseline		Topics to assess → Baseline Questions		
19. Where do you get your important	→ For Baseline keep question <u>as is</u> to track change over time.		→ How information is shared, with whom, when, and		
information and whom do you share it	→Additionally add: Social Network Ar	nalysis. Weight relationships	where		
with? Through which communication	based on information shared/relation	ship type, frequencies of	→Social Network Analysis can t	rack this information	
channel?	contact/interaction		sharing and look for patterns		
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 <b>shared with:</b> 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	Transition to baseline	Topics to assess → Baseline Questions
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.	→ Keep as is in Baseline (key informant). Track changes → Social Network Analysis with key informants may also be useful	<ul> <li>→ Keep question same, assess how information is flowing, track blockages in information flow.</li> <li>→ Social Network Analysis with key informants may also be useful</li> </ul>
21. How can we improve current system of climate information communication across the village?  → where do you get climate info??	<ul> <li>→ Use suggestions named in PA to form Y/N? questions.</li> <li>Ask respondents if they receive from those sources.</li> <li>→ Collect satisfaction levels with those sources</li> <li>→ USE places named in PA</li> </ul>	<ul> <li>→ Do you receive information from?</li> <li>→ Are you satisfied with this source?</li> <li>→ Are you satisfied with information?</li> </ul>

Question/topic	Transition to baseline	Topics to assess → Baseline Questions
22. Most effective channels to get information to this community	→Use suggestions named in PA to form Y/N? questions. Ask respondents if they receive from those sources.	→In HH economics mentioned above, can collect HH assets for things like radio, cell phones, batteries, t.v.
	→ Note for Baseline—conduct asset tally, especially for things like cell phones (Charges, distance to charge, time on)	etc.
	<ul><li>→ Continue to ask the most effective channels</li><li>→ Note changes over time</li></ul>	
23. Most effective channels to ensure information gets to women in this community:	<ul> <li>→ Use suggestions named in PA to form Y/N? questions.</li> <li>Ask respondents if they receive from those sources.</li> <li>→ Collect new responses in PA (additional sources)</li> <li>→ For baseline: where &amp; when?</li> </ul>	<ul> <li>→Can be tabular, using named responses from PA as choices/codes</li> <li>→Can take top 3-5 choices</li> <li>→Can ask open ended for new responses</li> </ul>
24. Relevant channels to reach other Under- represented groups in the village?	<ul> <li>→ Use suggestions named in PA to form Y/N? questions.         Ask respondents if they receive from those sources.         → Collect new responses in PA (additional sources)         <ul> <li>For 21-24 can formulate baseline in tabular format, using suggestions/tally from PA as codes/choices for respondents to choose from</li> <li>Or, can take top 3-5 choices</li> </ul> </li> </ul>	→ Can be tabular, using named responses from PA as choices/codes → Can take top 3-5 choices → Can ask open ended for new responses

<u>What You Get From This (WYGFT):</u> 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	Transition to baseline			Topics to assess → Baseline Questions		
25. Who controls the following	→In baseline, ask same questions		→ Repeat	Repeat questions		
means of production in the	→Quantification of assets/ownership of assets/resources/land		→Assets/	resources/land questions (see above)		
community/HH?	Gender disaggregate data					
,	→ Ask about specific farming tasks related to resources/means o	f				
	production					
	→Follow up questions on individual links/influence gender norm	s within				
	particular HH					
Resource / means of production	Who controls each of the following resources? (not specific names of	Can wome	en <i>access</i>	Is this resource most utilized by 01=women;		
	people, e.g. Husband, wife, male child, female child, other relative,	this resou	rce equally?	02=men; 03=equally/both		
	outsider, village government, etc.)	01=yes; 00	)=no			
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	Transition to baseline	Topics to assess → Baseline Questions
26. Do men and women have equal access to land in this community? Explain:  27. Do people own their land in this	<ul> <li>→ Baseline Q should quantify assets and land ownership;</li> <li>→ farm/grazing area access</li> <li>→ Should be gender disaggregated</li> <li>→ Q about management decisions,</li> <li>→ If unequal access—questions about where/what/how women farm &amp; for whom (outcome of farming practices)</li> <li>• Discrepencies in practice vs. local laws</li> <li>• Awareness of laws or reforms for land w/in country</li> <li>• Interventions and women's access</li> <li>→ If equal access—what is the nature of this "equality," does it change over time</li> <li>→ This will be covered in PA</li> </ul>	→ Land ownership, # of acres, own, rent, access, use → What used for/land management/land use  → Land ownership, # of acres, own, rent, access, use
community? Specify conditions under which land was obtained:	→ Quantify # of people who "own" land, acreage, land use	access, use
28. Specify conditions Under which new land is allocated in this community: how do youth acquire new land?	<ul> <li>→ Quantify land ownership, means of inheritance &amp; land exchanges (money, inheritance, rent, distribution and to whom)</li> <li>→ If land is scarce resource for youth, inquire about youth livelihoods, options, access</li> </ul>	→How much land was inherited/#s of land ownership and how they obtained it (% bought, %inherited)
<ul><li>29. Which specific crops are grown by :</li><li>Men</li><li>Women</li></ul>	→ If there are specific crops, quantify who grows what	→ See above (quantification of crops grown, acreage planted, and yields by specific crops)

<u>What You Get From This (WYGFT):</u> **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				Transition to baseling	ie	Topics to assess → Baseline Questions		
30. Which specific climate information has this community been receiving? How did they influence decision-making? Leading to which specific impacts?				→ Keep as is, adding advice/information → Be able to answer		→ Keep as is → See question h. below		
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	
start of the rains	2 8							
rains for the								
Forecast for parasites or plant/animal diseases			ICO maint affin	OF friends OC saletimes		and affine 00 to an housing		44 Augustian and

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	Transition to baseline		Topics to assess → Baseline Questions					
Table to chart Impact Pathway	<ul> <li>→ Questions about indicato planting when, why changir</li> <li>→ Questions about planting timing, changes, between the last.</li> <li>→ Can be revisited over few if specific changes in planting occurred, why, indicators</li> </ul>	ng g calendar, his year and y years to see	→Questions about current agriculture practices/innovations and skills (open ended in PA)					
Gender	Climate information used (report from column a in previous question)		pecifically use this information: on on inform which decision?	Which specific practice(s) in your agriculture did using this information change?  →this year timing planting, (why, indicators that led you to plant, →specific changes	Which specific impact / results in your agriculture have you noticed following this change of practice?			
Female								
Male								

	Question						Transition to baseline	Topics to assess → Baseline
32	. If you could receive fi related risks in your fa Please mention what when. Finally, please	arming activ format you	ities, what would pre	→ REPEAT IN BASELINE	→ REPEAT IN BASELINE			
	Type of Information ey)	named (1-5)	(most	correlated, top answers listed	Times named	c. Format <b>(key)</b>	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	Transition to baseline	Topics to assess → Baseline Questions
33	CHANGE IN HH: What accompanying measures are needed in this community to	→ keep as is baseline	→ Livelihood questions, engagements, options,
	enable early action based on received climate information? E.g. Even if you received		opportunities
	an early warning alert would you be able to engage in alternative livelihoods or		
	recommended substitute crops?		

### **SECTION VII: TRUST**

Question		Transition to baseline	Topics to assess → Baseline Questions
34. What makes f	forecast information on climate trustworthy? Under	→ Keep as is	
which circums	stances would you trust forecast climate information	→Use factors named in PA to cross	
enough to use	e it to inform your key agricultural decisions e.g. when to	verify in baseline (can format as y/n)	
plant plough	weed harvest etc. (Note to enumerators: Probe		
respondent to	understand what mediates farmer's trust in climate		
information to	o determine each key decision in the season)		
35. What makes	you trust the forecast or early warning forecast for a dry	See above	
spell/wet spe	II/storm/flood? (if don't receive=n/a):		

Question	Transition to baseline	Topics to assess → Baseline Questions
36. Who do they go to for advice on problems related	→Target with responses for PA and leave space for	→Tabular format possible
to agriculture or climate?	other.	→Yes/no with selected responses- PA
Key:		
a. Village leader		
o. Traditional leader/healer		
. Child or relative who has been educated		
d. Village official (village government member,		
committees etc.)		
e. District government representative		
. NGO staff		
g. Researcher		
n. Government agriculture extension agent		
. "Expert" farmer		
. Successful/wealthy farmer in the community		
c. Neighbor		
. I do not usually seek out someone for further		
information		
n. Religious/spiritual leader		
Other (please explain who people in your		
community go to for advice):		

Question	Transition to baseline	Topics to assess → Baseline Questions
37. a. Do women have the ability to seek advice or instruction to	→ Keep as is in baseline	→List as multiple choices with y/n response
explain things they do not understand in their farming climate and	→ Verify information exchange	options
weather challenges?	→Social network analysis (option)	
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	Transition to baseline	Topics to assess → Baseline Questions
a. Did you produce enough for the entire	→ REPEAT AS IS, will also be covered in questions about yields,	→ Collect farm yields
year?	and market questions (what bought sold, price, was it enough)	→Include month by month food security
		chart/question
b. How many months can your harvests	→Questions about food security add to baseline	See above
support your family?	→Quantify by collecting food aid received, given, livelihood	
	opportunities	
c. If it is not enough, how do you cover the	→REPEAT	See above
gap? (fill in codes below)*		
d. Is your supply increasing, decreasing or	→REPEAT	See above
constant year to year?		
e. What factors contribute to this	→ What explains these changes?	
(in)consistency?	→market questions.	

<sup>\*</sup>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	Transition to baseline	Topics to assess → Baseline
39. Is Agriculture your main source of income?	→REPEAT	
40. Community average of total revenue earned from agriculture in the past 12	→HH economic assessment	
months?		
41. Other sources of income within households (eg. remittances, wage labour, jobs,	→HH economic assessment	
renting land to others, etc.). Community average of total revenue earned from		
these other sources of income:		
42. Did community borrow funds or goods (such as food staples) over last rainy	→HH economic assessment	
season? If so, from whom and how much on average? What were the funds or		
goods used for?		
43. Has this community received other farm support in the past 12 months? If so,	→HH economic	
what type of support? (eg. subsidized seeds, subsidized fertilizer, subsidized	assessment/resilience/ etc.	
fodder, subsidized farm tools/machinery, subsidized food, other).		
44. How does this community cope during climate events?		

Question	Transition to baseline	Topics to assess → Baseline Questions derived from PA
45. The last time they had very poor harvests, how did they	→ REPEAT	
recover?	→create list/codes from PA	
46. What was the most important thing that helps you during	→ REPEAT	
climate hazards or in the face of climate related changes?	→create list/codes from PA	

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