

Appendix 6

FAO-Netherlands Partnership Programme: Seed System Impact on Household Welfare and Agricultural Biodiversity

PA Survey

Introduce yourself and explain the purpose of your visit. Note that the survey is being done by the United Nations, Alemaya University and HCS and the purpose is to get some general information at PA level on social activities, infrastructures and farming system.

1	Name of Team Leader	
2	Key informant 1, first and second name	
3	Key informant 2, first and second name	
4	Woreda code	CODE
5	PA code	CODE
6	Date of Interview (DD/MM/YY) <i>Use Gregorian calendar</i>	___/___/___
7	Time interview started <i>Use Western time</i>	__:__ AM/PM
8	Time interview completed <i>Use Western time</i>	__:__ AM/PM
9	PA altitude	METERS

WOREDAS' CODES:	PAs' CODES			
1=CHIRO	01=Beka Bela 02=Lalo Gudo 03=Ija Fara	04=Oda Moti 05=Odda Roba 06=Welda Jallela	07=Yabdo Shenbko 08=Teyfe	09=Fungendima 10=Yabdobobaku
2=META	01=Itosa Kollo 02=Wolkebdu Misoma 03=Oda Chiafe 04=Chelenko lola	05=Hawi Bilisuma 06=Biftu Genema 07=Wolenso 08=Bekelcha Oromea	09=Harew 10=Doke 11=Tatayti 12=Chelenk Hara	13=Woltha 14=Elaabro 15=Ifa Jallela 16=Dudela
3=DIRE DAWA	01=Awale	02=Biyo Awale	03=Kalicha	04=Addada

PA SURVEY NUMBER

PA survey number should result from: first 1 digit: woreda's code; 2nd 2 digits PA's code. For example PA survey number 101 means woreda 1 and PA 01 that is Chiro Woreda and Beka Bela PA.

1. Population

1. How many households live in the PA? *Household is defined as the unit which eats together and generally shares income and expenses*

NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

2. How many female headed household are in the PA?

3. How many of these households own land? *(including female headed HH)*

4. How many households own no land? (3+4=1)

5. What is the total population in the PA?

6. What is the population of adults (over 14 years of age)?

a. How many adult men? b. How many adult women?

7. What is the population of children (≤14 years)? (a+b=6)

NO.	
YEAR	

8. In what year was this PA created?

9. What is the composition of the PA in terms of ethnicity?

1=Oromo	%	
2=Amhara	%	
3=Somali	%	
4=Issa	%	

5=Afar	%	
6=Gurgura	%	
7=Other (specify)	%	

10. What is the composition of the PA per religious groups?

1=Muslims	%	
2=Catholic	%	
3=Protestant	%	
4=Orthodox	%	
5=Other (specify)s	%	

11. Has the human population changed over the last 10 years?

1=INCREASED, 2=NO CHANGE, 3=DECREASED, 4=DON'T KNOW

CODE	
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2. Land area and agriculture

1. What is the total land area of the PA?

HA	
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2. How much of this land area is arable land?

HA	
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2.a How much of the arable land is under sorghum cultivation?

HA	
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2.b How much of the arable land is under wheat cultivation?

HA	
----	--

2.c How much of the arable land is irrigated?

HA	
----	--

3. How much of the total land area is in pasture?

HA	
----	--

4. How much of the total land area is unusable for agriculture? (2+3+4=1)

HA	
----	--

5. How much of the total land is PA owned?

HA	
----	--

6. Has land in this PA been privatised/titled?

0=NO 1=YES

CODE	
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7. List in order of importance the top 5 crops in this PA

- | | |
|----------------|--------------------|
| 1=SORGHUM | 6=CHICK PEA |
| 2=WHEAT | 7=MILLET |
| 3=MAIZE | 8=TEFF |
| 4=BARELY | 9=CHAT |
| 5=HARICOT BEAN | 10=OTHER (SPECIFY) |

CODE	
1	
2	
3	
4	
5	

3. Access to PA

1. What is the primary means of access to the PA?

CODE: 1=DIRT PATH 2=DIRT ROAD 3=GRAVEL ROAD 4 PAVED ROAD 5=OTHER (*specify*) _____

Means of transport	2. Is the PA accessible by the following means of transport? 0=NO (→ <i>next means of transport</i>) 1=YES (→ 3)	3. For this means of transport, what type of access is there to the PA during the rainy and non-rainy seasons? 1=TOTAL ACCESS 2=LIMITED ACCESS 3=NO ACCESS		4. For this means of transport, how long does it take to get to the PA from the nearest town during each season?	
		a. RAINY SEASON	b. NON-RAINY SEASON	a. RAINY SEASON	b. NON-RAINY SEASON
		CODE	CODE	TIME IN MINUTES	TIME IN MINUTES
Truck/Bus					
Car					
Motorcycle					
Bike					
Walking					

4. Market

1. Is there a market in the PA? 0=NO →TABLE 5 1=YES →2 CODE	2. How often does it occur? 1=DAILY 2=WEEKLY 3=EVERY 2 WEEKS 3=MONTHLY 4=ONCE A YEAR 5=ONLY AT SPECIAL TIMES CODE	3. What are the main products exchanged in the market? 1=GRAIN, SEED 2=OTHER AGRICULTURAL INPUTS 3=CONSUMPTION ITEMS 4=OTHER (SPECIFY) CODE	4. If the PA members want to buy seeds are they likely to go a distant market? 0=NO →TABLE 5 1=YES → <i>next question</i> CODE	5. How distant is the most likely accessible market? TIME REQUIRED TO WALK MINUTES	6. Why would farmers go to this distant market? 1=MORE VARIETIES AVAILABLE 2=MORE SEEDS AVAILABLE 3=BETTER PRICES 4=OTHER AGRICULTURAL INPUTS SOLD 5=OTHER ITEMS SOLD 6=OTHER (SPECIFY) CODE

5. Public services and infrastructure

1. What per cent of households have private access to electricity? %	2. What per cent of households have their own water supply? %	3. What per cent of households in the PA rely on public water supply within 30 minutes walk of house? %	4. What per cent of households in the PA rely on public water supply more than 30 minutes walk from house? %	5. What per cent of households have access to a latrine or other form of sewage system? %

6. Access to markets, facilities and services

Facility/Service	1. Does this PA have this facility/ service? 0=NO (→3) 1=YES (→.2) CODE	2. How many years has this facility/ service been available? → <i>Continue with next facility</i> NUMBER OF YEARS	3. How far is the closest of this type of facility/service? KILOMETERS	4. What are the most common methods of getting to this facility/ service? <i>List in order of importance. Maximum 3 options</i> 1=BUS 5=ANIMAL 2=CAR 6=WALKING 3=MOTORBIKE 7=OTHER (SPECIFY) 4=BICYCLE CODE			5. From the center of the PA, how long does it take to get to this facility/service using the methods of transport noted in the previous question (4)? <i>Using the method noted in question 4.</i> MINUTES		
				1 ST	2 ND	3 RD	1 ST	2 ND	3 RD
	Water								
Electricity									
Health center									
Primary school									
Secondary school									
Public telephone									
Postal service									
Bus stop									
Bank/Credit institution									
Fair/local market									
Extension agency									
Input ¹ shop									
Grain mill									
Other (<i>Specify</i>)									

¹ Inputs refer to fertilizers, pesticide, agricultural tools and agricultural assets.

7. Access to main towns

Location	1.How far is this location from the centre of the PA? KILOMETERS	2. What is the most common method of getting to this location? <i>List in order of importance maximum 3 options</i> 1=BUS 5=ANIMAL 2=CAR 6=WALKING 3=MOTORBIKE 7=OTHER (SPECIFY) 4=BICYCLE			3. From the center of the PA, how long does it take to get to this location using the methods of transport noted in the previous question (2)? <i>Using the method noted in question 2.</i>		
		CODE			MINUTES		
		1 ST	2 ND	3 RD	1 ST	2 ND	3 RD
Dire Dawa							
Harar							
Alemaya							

8. Seed supply

1. Has this PA received emergency seed relief in last 10 years?	2. For which of the following crop?	3. How often did the PA receive seed aid in last 10 years?	4. Did the PA receive seed relief this year? 0=NO 1=YES	5. What per cent of household received emergency seed relief last time the PA participated to the program?	6. What per cent of the total seeds sowed came from emergency seed relief last time the PA participated to the program?	7. Are there farmers in the PA that consistently supply other farmers with seeds? 0=NO 1=YES	8. Can you describe the characteristics of these farmers? 1=OWN A LOT OF LAND 2=HAVE IRRIGATION 3=OLD FARMER 4=WEALTHY FARMER 5=GOVERNMENT RETIRED 6=HAS GOT BETTER HARVEST 7=OTHER (SPECIFY)
0=NO →7 1=YES	0=NO 1=YES	NO. OF TIMES	CODE	%	%	CODE	CODE
CODE	CODE						
	A. SORGHUM						
	B. WHEAT						
	C. OTHER CROPS						

9. Sorghum and wheat supply

SEED SOURCES	SORGHUM			WHEAT		
	1. Which of the following sources of sorghum seeds are available in this PA?	2. Of these sources, what per cent of total sorghum seed is sowed in this PA in a good and bad year?		3. Which of the following sources of wheat seeds are available in this PA?	4. Of these sources, what per cent of total wheat seed is sowed in this PA in a good and bad year?	
	CODE 0=NO →3 1=YES CODE	GOOD YEAR %	BAD YEAR %	CODE 0=NO → TABLE 10 1=YES CODE	GOOD YEAR %	BAD YEAR %
Marketing coop						
Seed traders						
Fairs/Grain market						
Input supply store						
Local seed creditors						
Government Organization						
HCS						
Other NGOs						
Other (specify) _____						

10. Government extension package program

1. Over the past 5 years how many HH in this PA have received the government extension package program?

If none put zero and go to the next table.

	2. What percent of the seeds of these crops was included in the package?	3. What are been the main varieties provided of sorghum and wheat?							
	PERCENT	SORGHUM AND WHEAT VARIETIES CODES							
Sorghum									
Wheat									
Maize									
Barely									
Haricot Bean									
Other (specify)									

11. HCS activities

1 Does anyone in the PA work with HCS project at the moment?

0=NO (→.2)
1=YES (→.4)

2. Did anyone work with HCS in the past?

0=NO (→NEXT PAGE)
1=YES (→3)

3. If no longer working: Why did they stop collaborating with HCS?

1=HCS' ACTIVITY ENDED
2=NO LONGER NEED
3=INTEREST TOO HIGH
4=DID NOT LIKE THEIR SEEDS
5=WAS EXCLUDED
6=OTHER (SPECIFY) (→NEXT PAGE)

4. In what year did HCS initiate work in this PA? (USE GREGORIAN CALENDAR)

CODE	
CODE	
CODE	
YEAR	

5 In this PA have people worked with HCS on:

- a. Regular seed program
- b. Emergency seed program
- c. Seed multiplication program
- d. Other programs

6 Is a seed bank part of the HCS project?

0=NO
1=YES

7. Is technical assistance part of the HCS project?

0=NO
1=YES

8. How many times per month did HCS extension agents visit this PA?

9. How many households in this PA actively participated in HCS?

CODE 0=NO 1=YES	
CODE	
CODE	
NO. OF TIMES	
NO. OF HOUSEHOLD	

12. NGOs and other groups – non-HCS groups

1. Are there other projects/organizations (excluding HCS) that have worked in the PA in the last five years? CODE

0=NO (→next page)

1=YES (→.2)

CODE	2. What is the name of the project or organization?	3. What type of organization is/was it? 1=NGO 2=GOVERNMENT 3=INTERNATIONAL ORGANIZATION 4=PRIVATE GROUP	4. What was/is the focus of the organization? <i>(select a maximum of 3 sectors)</i> 1=AGRICULTURE 2=HEALTH 3=EDUCATION 4=WATER/SANITATION 5=NATURAL RESOURCE CONSERVATION 6=CREDIT PROVISION 7=MICRO ENTERPRISE DEVELOPMENT 8=INFRASTRUCTURE 9=OTHER (SPECIFY)			5. What is the primary target population? 1=MEN 2=WOMEN 3=ADULT 4=CHILDREN 5=EVERYBODY 6=OTHER (SPECIFY)	6. What year did the project begin? <i>Four digit year using Gregorian calendar</i>	7. What year did the project terminate? <i>Four digit year using Gregorian calendar or</i> 0=STILL ACTIVE	8. What percentage of households in the PA were/are beneficiaries of this project?
	NAME	CODE	CODE	CODE	CODE	YEAR(YYYY)	YEAR(YYYY)		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

13. PA groups

1 Are there community groups active in this PA?

CODE

0=NO (→*next page*)

1=YES (→2)

CODE	2. Name of group	3. What type of group is this? 1=FARMERS/PRODUCTION GROUP 2=SELF- HELP (EDIR) GROUP 3=IRRIGATION GROUP 4=WOMEN'S GROUP 5=PEASANT ASSOCIATION 6=SOCIAL GROUP 7=COOPERATIVES 8=POLITICAL GROUP 9=SPORTS GROUP 10=CREDIT GROUP 11=OTHER (SPECIFY)	4. What type of people are members of the group? 1=NO PARTICULAR TYPE 2=MEN 3=WOMEN 4=FARMERS/PRODUCERS 5=TRADESMEN 6=CHILDREN 7=OTHER (SPECIFY)	5. Does the group have a designated leader or group of leaders? 0=NO 1=YES	6. What is the most important source of funds? 1=NO FUNDING REQUIRED 2=MEMBERS (SELF-SUFFICIENT) 3=GOVERNMENT FUNDS 4=NGO FUNDS 5=RELIGIOUS ORGANIZATION 6=OTHER (SPECIFY)	7. How many members are presently in the group?	8. What year did the group begin? <i>Four digits year using Gregorian calendar. If earlier than 1970 use 1970</i>	9. How often does the group meet? 0=NEVER 1=MORE THAN ONCE A WEEK 2=ONCE A WEEK 3=EVERY SECOND WEEK 4=ONCE A MONTH 5=MORE THAN ONCE A MONTH 5=EVERY TWO MONTHS 6=EVERY THREE MONTHS 7=1-3 TIMES PER YEAR 8=WHEN REQUIRED
	NAME	CODE	CODE	CODE	CODE	NUMBER OF MEMBERS	YEAR(YYYY)	CODE
1								
2								
3								
4								
5								
6								
7								
8								
9								

14. PA governance/organization

1. Does the PA elect a leader?

0=NO
1=YES

2. How often does the PA assembly meet?

1=WEEKLY
2=MONTHLY
3=ANNUALLY
4=WHEN REQUIRED
5=DON'T KNOW

3. What percent of households normally attend meetings?

4. Does the PA have a constitution?

0=NO
1=YES

CODE	
CODE	
%	
CODE	

14. Input cost

1. What is the standard pay (in cash equivalent) for a day's worth of labor by an adult male, adult female and child (<14)?			2. What is the standard pay for one hour's worth of tractor services?	3. What is the standard pay for a day's worth of animal services?
A. ADULT MALE	B. ADULT FEMALE	C. CHILD (<14)		
BIRR/DAY	BIRR/DAY	BIRR/DAY	BIRR/ HOURS	BIRR/ DAY

15. Regular PA events

1 Are there any PA events (e.g. village and religious celebrations) that require significant household inputs (e.g. donation of stock or produce) that may affect the type of production that smallholders are required to produce? 0=NO (→TABLE 16) 1=YES (→2)

CODE No.	2. Name of PA event	3. How often per year does this event occur?	4. What is a typical household involved in this event required to provide? 0=CASH 1=LIVESTOCK/ANIMALS 2=FOOD/DRINK 3=OTHER IN KIND CONTRIBUTION 4=NOTHING
	NAME	NO. OF TIMES PER YEAR	CODE
1			
2			
3			
4			
5			

16. Significant phenomena

1 Have there been any significant natural occurrences or events that may have affected rural livelihoods in the last 5 years e.g. major pest outbreak flood, earthquake, drought?

0=NO (DONE)

1=YES (→2)

CODE:

CODE No.	2. Type of phenomena	3. What year did this occur?	4 What percent of households in the PA were affected?	5 What type of household was affected most?
	1=FROST 5=PEST OUTBREAK 2=WIND 6=DISEASE (SPECIFY) 3=DROUGHT 7=FIRE 4=HAIL 8=OTHER (SPECIFY)	<i>Four digits year using Gregorian calendar.</i>		
	CODE	YEAR (YYYY)	%	CODE
1				
2				
3				
4				
5				