

EXAMPLE Uganda

Household Questionnaire on improved cooking stoves

Interviewer Name	
Date	

District	
Subcounty	
Parish	
Village	
Household ID	

Own Observation:

Main Interviewee: (Please tick one)

wife husband

(as far as possible, the interview should be done with the responsible woman of the household)

Household category: *Observation on the house where the family is living in*

Walls: mud and pole stabilised bricks
 unburned bricks with mud other (specify): _____

Roof: thatched roof iron sheets:

Property: *Observation on the cleanness and housekeeping of the courtyard and kitchen:*

nicely arranged and cleanly swept things lying around
 rubbish all over the place, structure of the kitchen almost collapsing

Ask the respondent:

1.) Who is the head of the household?

wife husband

2.) What is his or her name? _____

3.) How many people are usually living and eating together with you in this compound?

Number of adults: _____ Number of children up to 15 years: _____

Number of youth (between 16 and 23 years): _____

4.) Are you living in your own house or do you rent it?

own house rented house

5.) Is somebody in your family a trained stove builder?

yes no

↙ 5.a) If yes: Who is it?

wife husband

other household member: _____

Stove information – general part for all households

6.) Where do you usually cook?

- inside the house in a separate kitchen outside

6.a) Do you allow animals to enter?

- yes no

Please ask the lady to show you the stoves she has in order to fill out the table for questions 6. to 11. You may fill out the tables at the end of the questionnaire with your observations on the stove conditions at the same time. Or you take your time at the end of the interview and take note of your observations on the improved stoves.

7.) What type of stoves do you have in your household?

8.) What number of each type of stove is present?

9.) When did you get the stove?

10.) Was the stove bought or not?

11.) At what price (in cash or in kind)?

12.) If the stove was not paid for, what is the reason for this?

7.)Type of stove	8.) Amount	9.) Year + Month	10.) Bought	11.) Price or Amount of Goods spend	12.) Reason why it was for free
Rocket Lorena with shelf (RL 1)			<input type="checkbox"/> yes <input type="checkbox"/> no		
Rocket Lorena with bypass air inlet (RL 2)			<input type="checkbox"/> yes <input type="checkbox"/> no		
Shielded Fire with shelf (SF 1)			<input type="checkbox"/> yes <input type="checkbox"/> no		
Shielded Fire with bypass air inlet (SF 2)			<input type="checkbox"/> yes <input type="checkbox"/> no		
Kerosene stove			<input type="checkbox"/> yes <input type="checkbox"/> no		
Metal charcoal stove (without liner)			<input type="checkbox"/> yes <input type="checkbox"/> no		
Charcoal stove with liner (Jiko)			<input type="checkbox"/> yes <input type="checkbox"/> no		
3 stone fire		-	-	-	-
Demolished ICS: (specify):		Lifespan:	<input type="checkbox"/> yes <input type="checkbox"/> no		Reason why it was demolished:
Others (specify):					

If there are improved stoves go to question number 29!

If there are NO IMPROVED stoves in the household ask the following questions:

Stove usage

13.) Who is the main cook?

wife other (specify): _____

14.) Which stove(s) do you use **every day** for cooking meals: (several answers possible)

three stone fire Metal charcoal stove Ceramic Jiko
 three stone fire other: _____

15.) How often do you usually cook a meal per day?

one time twice per day three times per day

16.) Do you also warm up meals?

yes no

35.a) If yes: When do you warm up a meal?

in the morning at lunch in the evening

17.a) How long does it take to cook dry beans with the improved stove? _____ hours

18.) If the woman is cooking during the interview, please observe her cooking practices (several answers possible). If the woman is not cooking, go to the next question:

18.a) use dry firewood	<input type="checkbox"/> yes <input type="checkbox"/> no
18.b) smoke in the kitchen	<input type="checkbox"/> yes <input type="checkbox"/> no
18.c) use split firewood	<input type="checkbox"/> yes <input type="checkbox"/> no
18.d) covering the pot	<input type="checkbox"/> yes <input type="checkbox"/> no
18.e) use few and small sticks*	<input type="checkbox"/> yes <input type="checkbox"/> no
18.f) air inlet full of ash*	<input type="checkbox"/> yes <input type="checkbox"/> no
18.g) saucepan inside the skirt*	<input type="checkbox"/> yes <input type="checkbox"/> no

* applicable only for the improved stove

Fuel wood

19.) Which of the following fuel do you use? Please read the categories to the respondent! (several answers possible)

firewood small sticks charcoal
 coffee prunes maize cobs maize/ sorghum stems
 other agricultural residues (specify) _____
 other (specify): _____

20.) If fire wood is used: Do you buy it, collect it or both?

collect firewood buy fire wood collect and buy fire wood

21.a) If firewood is collected and bought: How is the relation between the firewood collected and the firewood bought?

- more fire wood collected half-half more firewood bought

If fire wood is collected:

22.) Where do you get your firewood from? (several answers possible)

- home woodlot forest bush land neighbours woodlot
 other (specify): _____

If fire wood is collected, put 10 stones in front of the woman and explain to her, that this corresponds to the quantity of fire wood she had to collect per week when still using only the 3 stone fire. Ask her then to show you the quantity of stones corresponding to the quantity of fire wood she has to collect now, with an improved stove:

23.) How many stones (out of 10) represent the quantity of fire wood you are collecting now, using an improved stove? _____ stones

24.) Please describe the availability of fuel wood in your community? (one answer for each category possible):

24.a) How far is the fuel wood in general from peoples home?

24.b) How is the price for fuel wood in this community?

24.c) How do you find the quantity of fuel wood available in this community?

24.a)	<input type="checkbox"/> Short distance	<input type="checkbox"/> Medium distance	<input type="checkbox"/> Long distance
24.b)	<input type="checkbox"/> Low price	<input type="checkbox"/> Medium price	<input type="checkbox"/> High price <input type="checkbox"/> Don't know price
24.c)	<input type="checkbox"/> Plenty of firewood	<input type="checkbox"/> Just enough firewood	<input type="checkbox"/> Firewood is scarce

If fire wood is bought, ask the following questions:

25.a) How much money do you spend per week **with the improved stove**? _____ USh

25.b) How much money did you spend per week **without an improved stove**? _____ USh

Please ask the following questions to everybody:

26.) Do you practice fire wood management?

- yes no (why not?) _____

26.a) If yes: What methods of fire wood management are you using?

- drying the wood storage split the fire wood into small pices
 cutting the wood other (specify): _____

27.) Do you know about improved stoves?

- yes no

27.a) If yes: Why don't you use one?

- no interest no money Don't know where to find
 no kitchen other (specify): _____

27.b) Do you intend to purchase an improved stove in the future?

yes

no

not sure

↙ **27.c) If yes:** Which type?

Rocket Lorena

Shielded fire

other (specify): _____

28.) How would you describe an ideal cooking stove? _____

The interview ends here for the households without any ICS.

Please, thank the respondent for her answers!

Stove information – specific part for ICS households

If there are (or were) improved stoves in the household, continue with the following questions:

29.) How did you first hear about improved stoves?

30.) What was your motivation to get an improved stove?

- NGO introduced it and told about benefits, saw at the neighbour and wanted one, Advertisement, others (specify):

31.) Who prepared the raw material for the improved stove(s)?

- Rocket Lorena (with shelf), Rocket Lorena (bypass air), Shielded Fire (with shelf), Shielded Fire (bypass air) with options: Owner, stove builder, both together, other:

32.) Who built the stove(s)?

- Rocket Lorena (with shelf), Rocket Lorena (bypass air), Shielded Fire (with shelf), Shielded Fire (bypass air) with options: Owner, stove builder, both together, other:

Stove maintenance and replacement

33.) Do you maintain your improved stove?

- yes, no (if no, go to question 19.b)

33.a) If yes: How do you maintain it? (several answers possible)

- smear the stove body with soil, cover stove if outside, remove ash from the stove, unblock the chimney, other (specify):

33.b) If no: What could be the reasons for not maintaining your stove? (several answers possible)

- no interest, no time, don't know how to do it, stove functions satisfactory, other (specify):

34.) Has your improved stove ever been repaired?

- yes, no (if no, go to question 21)

34.a) If yes: How many times has the stove been repaired? times

34.b) What type of repair has been done? Please read the categories to the respondent! (several answers possible)

- repair of cracks in the body, repair of the door

- repair of chimney
- repair of inter-saucepan cavity duct
- replacement of firewood shelf
- repair of pot-rests
- repair of combustion chamber
- other (specify): _____

34.c) Who repaired the stove?

- Owner (wife, husband)
- family member who is a stove builder
- stove builder
- family member
- other (specify): _____

34.d) Did you pay for the repair?

- Yes
- No (go to 21)

34.e) If yes, how much:

_____ in cash or _____ in kind

35.) If no: Why has the stove never been repaired?

- stove is still in a good condition
- no money
- no time
- don't know, how to repair it
- stove functions satisfactory
- other (specify): _____

36.) Has your improved stove ever been replaced?

- yes
- no (if no, go to question 27)

36.a) If yes: Why was it replaced?

- old one got broken
- wanted to have the new model of ICS (bypass air inlet)
- other (specify): _____

36.) What was the lifetime of the stove?

Rocket Lorena: _____ years Shielded Fire: _____ years

37.) Who replaced it?

- Owner
- family member who is a stove builder
- stove builder
- other (specify): _____
- family member

38.) If the stove was replaced by a stove builder, did you pay him/her?

- yes
- no (why not?) _____

38.a) If yes: How much did you pay for the replacement?

in cash _____ US\$ or in kind (specify) _____

39.) Did you replace it with the same model?

- yes
- no (specify new model) _____

If the stove was not replaced ask the following question:

40.) Do you know any stove builder who could replace it when it is broken?

- yes
- no

Stove usage

41.) Who is the main cook?

- wife other (specify): _____

42.) Are you actually using the improved stove(s)?

- | | |
|--|--|
| Rocket Lorena (with shelf) | Rocket Lorena (air bypass) |
| <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Shielded Fire (with Shelf) | Shielded Fire (air bypass) |
| <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no |

42.a) Do you usually use the second saucepan hole of the Rocket Lorena?

- yes no (go to 29.c)

42.b) **If yes:** What do you usually cook on the second pot hole? _____

42.c) **If no:** Why not? _____

If the respondent does not use any improved stove ask the following question:

43.) Why do you not use the stove? (several answers possible)

- | | |
|--|--|
| <input type="checkbox"/> saucepan does not fit | <input type="checkbox"/> saucepans get damaged |
| <input type="checkbox"/> doesn't fit to cooking operations | <input type="checkbox"/> prefer three stone fire |
| <input type="checkbox"/> other (specify): _____ | |

Own observation:

44.) Please tick according to your own observation, whether the stove (s) has been recently used or not. (ash inside etc.)

- | | |
|--|--|
| Rocket Lorena (with shelf) | Rocket Lorena (air bypass) |
| <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Shielded Fire (with Shelf) | Shielded Fire (air bypass) |
| <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no |

Use of second saucepan hole of the Rocket Lorena

- yes no

45.) If the woman is cooking during the interview, please observe her cooking practices (several answers possible). If the woman is not cooking, go to the next question:

45.a) use dry firewood	<input type="checkbox"/> yes <input type="checkbox"/> no
45.b) smoke in the kitchen	<input type="checkbox"/> yes <input type="checkbox"/> no
45.c) use split firewood	<input type="checkbox"/> yes <input type="checkbox"/> no
45.d) covering the pot	<input type="checkbox"/> yes <input type="checkbox"/> no
45.e) use few and small sticks*	<input type="checkbox"/> yes <input type="checkbox"/> no
45.f) air inlet full of ash*	<input type="checkbox"/> yes <input type="checkbox"/> no
45.g) saucepan inside the skirt*	<input type="checkbox"/> yes <input type="checkbox"/> no

* applicable only for the improved stove

46.) Which stove(s) do you use **every day** for cooking meals: (several answers possible)

- Rocket Lorena (with shelf) Rocket Lorena (with bypass air) Shielded fire (with shelf)
 Shielded fire (with bypass air) Metal charcoal stove Ceramic Jiko
 three stone fire other: _____

If the improved stove is not used every day, ask the following question:

47.a) Why do you not use the improved stove for every day cooking?

- not suitable for the saucepan too slow don't know how to operate it
 stove is in a bad condition other (specify): _____

If there is an ICS used together with a 3-stone fire for every day cooking, ask the following question:

47.b) For what purpose do you use the 3-stone fire? _____

48.) How often do you usually cook a meal per day?

- one time twice per day three times per day

49.) Do you also warm up meals?

- yes no

49.a) If yes: When do you warm up a meal?

- in the morning at lunch in the evening

50.) Do you know how to use the improved stove **properly** (in order to save energy)?

- yes no

50.a) If yes: What is the proper energy saving way of using the stove?

- use of dry firewood use of split firewood
 use of the corresponding saucepan pre-soaking hard food
 covering the pot while cooking other (specify): _____

51.a) How long does it take to cook dry beans with the improved stove? _____ hours

51.b.) How long did it take to cook dry beans with your old stove? _____ hours

52.) When you save time for cooking with an ICS, what are you doing with that extra time? (several answers possible)

- reproductive activities agricultural work generate income
 leisure time other (specify): _____

Fuel wood

53.) Which of the following fuel do you use? Please read the categories to the respondent! (several answers possible)

- firewood small sticks charcoal
 coffee prunes maize cobs maize/ sorghum stems
 other agricultural residues (specify) _____
 other (specify): _____

54.) **If fire wood is used:** Do you buy it, collect it or both?

- collect firewood buy fire wood collect and buy fire wood

54.a) **If firewood is collected and bought:** How is the relation between the firewood collected and the firewood bought?

- more fire wood collected half-half more firewood bought

If fire wood is collected:

41.) Where do you get your firewood from? (several answers possible)

- home woodlot forest bush land neighbours woodlot
 other (specify): _____

If fire wood is collected, put 10 stones in front of the woman and explain to her, that this corresponds to the quantity of fire wood she had to collect per week when still using only the 3 stone fire. Ask her then to show you the quantity of stones corresponding to the quantity of fire wood she has to collect now, with an improved stove:

42.) How many stones (out of 10) represent the quantity of fire wood you are collecting now, using an improved stove? _____ stones

43.) Please describe the availability of fuel wood in your community? (one answer for each category possible):

43.a) How far is the fuel wood in general from peoples home?

43.b) How is the price for fuel wood in this community?

43.c) How do you find the quantity of fuel wood available in this community?

43.a)	<input type="checkbox"/> Short distance	<input type="checkbox"/> Medium distance	<input type="checkbox"/> Long distance
43.b)	<input type="checkbox"/> Low price	<input type="checkbox"/> Medium price	<input type="checkbox"/> High price <input type="checkbox"/> Don't know price
43.c)	<input type="checkbox"/> Plenty of firewood	<input type="checkbox"/> Just enough firewood	<input type="checkbox"/> Firewood is scarce

If fire wood is bought, ask the following questions:

44.a) How much money do you spend per week **with the improved stove**? _____ US\$

44.b) How much money did you spend per week **without an improved stove**? _____ US\$

Please ask the following questions to everybody:

45.) Do you practice fire wood management?

- yes no (why not?) _____

45.a) **If yes:** What methods of fire wood management are you using?

- drying the wood storage split the fire wood into small pices
 cutting the wood other (specify): _____

General perceptions

46.) What advantages do you see in using an improved stove? (several answers possible)

- Fuel saving cooks fast Reduced smoke
- Clean kitchen less burns, accidents less respiratory diseases
- less eye diseases more comfort better taste of food
- Saves money others (specify): _____

47.) What is the most important advantage for you about an improved stove? (one answer only)

- Fuel saving cooks fast Reduced smoke
- Clean kitchen less burns, accidents less respiratory diseases
- less eye diseases more comfort better taste of food
- Saves money others (specify): _____

48.) Do you see any disadvantage of the improved stove?

- yes no (if no, jump to question 49)

48.a) If yes: Which are the disadvantages? (Several answers possible).

- not possible to sit around the fire takes more time to cook can't cook certain meals
- can't cook with big saucepans can't use wet wood needs maintenance
- other (specify): _____

49.) If you think/dream of an ideal stove how would you describe it?

50.) This is the end of my questioning. Do you have any remarks that you wish to tell us?

***The interview ends here.
Please, thank the respondent for his answers!***

Own observation of enumerator

The following observations have to be done by the enumerator. When starting the interview, you ask the lady to show you the stoves she has in order to fill out the table for questions 7. to 12. You may fill out the tables below with your observations on the stove conditions at the same time. Or you take your time at the end of the interview and take note of your observations on the improved stoves.

51.) Please observe the condition of the improved stoves present (several answers possible):

Model Rocket Lorena with firewood shelf:

51.a) small cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
51.b) big cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
51.c) broken pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
51.d) pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
51.e) worn out combustion chamber	<input type="checkbox"/> yes <input type="checkbox"/> no
51.f) broken door	<input type="checkbox"/> yes <input type="checkbox"/> no
51.g) stove demolished	<input type="checkbox"/> yes <input type="checkbox"/> no
51.h) firewood shelf	<input type="checkbox"/> yes <input type="checkbox"/> no
51.i) cracked / broken chimney	<input type="checkbox"/> yes <input type="checkbox"/> no
51.k) broken inter-saucepan cavity duct	<input type="checkbox"/> yes <input type="checkbox"/> no

51.m) Are there any modifications to the original design?

yes no

51.n) If yes: Which modification do you observe?

- bigger door no chimney grate added to use charcoal
 enlarging of the saucepan cavity other (specify)_____

Model Rocket Lorena with bypass air inlet

52.a) small cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
52.b) big cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
52.c) broken pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
52.d) pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
52.e) worn out combustion chamber	<input type="checkbox"/> yes <input type="checkbox"/> no
52.f) broken door	<input type="checkbox"/> yes <input type="checkbox"/> no
52.g) stove demolished	<input type="checkbox"/> yes <input type="checkbox"/> no
52.i) cracked / broken chimney	<input type="checkbox"/> yes <input type="checkbox"/> no
52.k) broken inter-saucepan cavity duct	<input type="checkbox"/> yes <input type="checkbox"/> no

52.m) Are there any modifications to the original design?

yes no

52.n) If yes: Which modification do you observe?

- bigger door no chimney grate added to use charcoal
 enlarging of the saucepan cavity other (specify)_____

Shielded Fire with firewood shelf

53.a) small cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
53.b) big cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
53.c) broken pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
53.d) pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
53.e) worn out combustion chamber	<input type="checkbox"/> yes <input type="checkbox"/> no
53.f) broken door	<input type="checkbox"/> yes <input type="checkbox"/> no
53.g) stove demolished	<input type="checkbox"/> yes <input type="checkbox"/> no
53.h) firewood shelf	<input type="checkbox"/> yes <input type="checkbox"/> no

53.m) Are there any modifications to the original design?

yes no

53.n) If yes: Which modification do you observe?

bigger door no chimney grate added to use charcoal

enlarging of the saucepan cavity other (specify) _____

Shielded Fire with bypass air inlet

54.a) small cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
54.b) big cracks on the body	<input type="checkbox"/> yes <input type="checkbox"/> no
54.c) broken pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
54.d) pot-rests	<input type="checkbox"/> yes <input type="checkbox"/> no
54.e) worn out combustion chamber	<input type="checkbox"/> yes <input type="checkbox"/> no
54.f) broken door	<input type="checkbox"/> yes <input type="checkbox"/> no
54.g) stove demolished	<input type="checkbox"/> yes <input type="checkbox"/> no

54.m) Are there any modifications to the original design?

yes no

54.n) If yes: Which modification do you observe?

bigger door no chimney grate added to use charcoal

enlarging of the saucepan cavity other (specify) _____

Other observations: _____
