

## Guideline questions for analysing survey data

### Section I: Households

#### Section Ia: General household sample

##### General information

- Total number of households interviewed, rural per cluster
- Total number of households interviewed, urban per cluster
- Overall total per cluster
- Overall rural total
- Overall urban total
- Total households interviewed

##### Stove information:

- 1.) What percentage of households uses at least one ICS for cooking? (Firewood Jiko Kisasa, firewood Kuni Mbili, Rocket mud stove with or without chimney)
- 2.) What percentage of households uses exclusively ICS for cooking?
- 3.) What percentage of households possesses '3-stone-fire'? What percentage of them uses the '3-stone-fire' every day? Often? Sometimes? For special occasions? Never?
- 4.) What percentage of households uses mainly the Kenya Ceramic Jiko for cooking?
- 5.) What percentage of households uses predominantly firewood – predominantly charcoal?
- 6.) What percentage of households uses mainly other fuel than wood or charcoal? (Kerosene, LPG, electricity)
- 7.) To what type of categories do the above mentioned households from 1.) to 6.) belong? According to the cluster? According to urban or rural area? According to socio-economic category 'poor', 'medium' or 'better off'? According to household size? According to occupation of head of household?
- 8.) What percentage of the ICS is in good condition (according to stove type)? What percentage of the ICS is in medium condition (condition 2, 3, 5, 8, 9)? What percentage of the ICS is in a bad condition (condition 2, 3, 5, 8, or 9 + 4, 6, 7, 10, or 11)?
- 9.) How old are the ICS according to type of stove? According to condition of stove? According to daily use?
- 10.) What percentage of households uses fireless cookers?
- 11.) What percentage of households, having no ICS, knows about the ICS? What types of ICS are known by what percentage of these households? What is the most important reason for not using an ICS? First, second, third, fourth etc. most important reason

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Cooking information : Please give the answers to the following questions according to responses from households using: mainly ICS; mainly 'three-stone-fires'; and mainly 'other type of stoves'

- 12.) What percentage of households cooks inside the house – throughout the year, only during rainy season – outside the house? What percentage of households has a separate kitchen?
- 13.) What percentage of households cooks usually on one stove, on two stoves or other combination of stoves?
- 14.) What percentage of households cooks one meal per day, two meals per day, three meals per day, more?
- 15.) What percentage of households warm up meals? What percentage of these households warm up meals in the morning, for lunchtime, in the evening, for special occasions?

- 16.) What percentage of households uses their stoves for boiling water? Space heating? Lighting? Making local brew? Other purposes (which ones)?
- 17.) What percentage of observed women used dry firewood? Few sticks? Split firewood? A lid on the pot?
- 18.) How many observed kitchen had smoke in it?

*Fuelwood information: Please give the answers to the following questions according to responses from households using mainly ICS and households using mainly '3-stone-fire'.*

- 19.) What percentage of households uses firewood as a primary source of energy for cooking? As the second important fuel? As the third important fuel? What percentage of households uses charcoal as a primary source of energy for cooking? As the second important fuel? As the third important fuel? What percentage of households uses agricultural residues (maize cobs, maize / sorghum stalks) as a primary source of energy for cooking? As the second important fuel? As the third important fuel? What percentage of households uses twigs or sawdust as a primary source of energy for cooking? As the second important fuel? As the third important fuel? What percentage of households uses kerosene, gas, electricity as a primary source of energy for cooking? As the second important fuel? As the third important fuel?
- 20.) What percentage of households using firewood buys it? Collect it? Buy and collect it? What percentage of the collected firewood is coming from own farm, open land, public forest/bush or other sources?
- 21.) In what percentage of the households using collected firewood are the main firewood collectors: women? Girls? Women and girls? Boys? Men? In what percentage of households using collected firewood do women never collect firewood? Girls never collect firewood? Boys never collect firewood? Men never collect firewood?
- 22.) In what percentage of households using collected firewood is the wood is collected once per week (or per month)? Twice per week (or per month)? Three times per week (or per month)? More than three times per week (or per month)? What percentage of households spent (per day): less than 1 hour for firewood collection? Between 1 and 2 hours for firewood collection? Between 2 and 3 hours for firewood collection? More than 3 hours for firewood collection?
- 23.) What percentage of households buying firewood, spends less than:??? KSh per day (or per week) on firewood? Spends between (x) KSh and (y) KSh per day (or per week) on firewood? Spends between (x) KSh and (y) KSh per day (or per week) on firewood? *(Please fill in the monetary categories and the time frame according to results of survey)*

Additional information on households using ICS:

- 24.) What percentage of households, using an ICS now and a '3-stone-fire' before, are collecting firewood less often since the ICS? More often today? Same amount of firewood collection today? What percentage of households, using an ICS now and a '3-stone-fire' before, are spending less money on firewood today? Spending more money on firewood today? Same amount of money on firewood than before?
- 25.) What percentage of households is using an ICS that is in good condition and on which they do regular maintenance? What percentage of households is using an ICS that is in good condition and who are not doing regular maintenance? Give reason 1? Give reason 2? Give reason 3? Give reason 4?

- 26.) Compared to when the stove was new, in what percentage of households using an ICS that is not in a good condition are any differences in performance seen? What percentage of households seeing a difference in the performance mention: More or less time? More or less fuelwood? Any other measurable differences? In what percentage of households using an ICS that is not in a good condition fail to maintain it through lack of time? Because of lack of money? Because of lack of knowledge on how to maintain it? Because of any other reason? – please describe the reason.
- 27.) What percentage of households using an ICS has already replaced one of the stoves? List according to type of stove. What percentage of households using ICS has never replaced any stove so far? What percentage of households having replaced an ICS did it for: Reason 1? Reason 2? Reason 3?
- 28.) What percentage of households using ICS consider: Fuel saving as an advantage? Fast cooking as an advantage? Reduced smoke as an advantage? Saving money as an advantage? Clean kitchen as an advantage? Less burns / accidents as an advantage? Less respiratory diseases as an advantage? Less eye diseases as an advantage? More comfort as an advantage? Food tasting better as an advantage? Other reasons as an advantage? – please describe.
- 29.) What percentage of households using ICS consider: Reason 1 as most important advantage? Reason 2 as most important advantage? Reason 3 as most important advantage?
- 30.) What percentage of households using ICS consider: Reason 1 as a disadvantage? Reason 2 as a disadvantage? Reason 3 as a disadvantage? What percentage of households using ICS consider X as the biggest disadvantage? Consider Y as the second biggest disadvantage?
- 31.) What percentage of households using ICS paid less than X Ksh for the: Firewood Jiko Kisasa – one pot? Firewood Jiko Kisasa – two pots? Firewood Kuni Mbili? Rocket Mud stove – one pot? Rocket Mud stove – two pots?) What percentage of households using ICS paid between (x) and (y) KSh for the: Firewood Jiko Kisasa – one pot? Firewood Jiko Kisasa – two pots? Firewood Kuni Mbili? Rocket Mud stove – one pot? Rocket Mud stove – two pots?) What percentage of households using ICS paid between Z and W KSh for the Firewood Jiko Kisasa – one pot? Firewood Jiko Kisasa – two pots? Firewood Kuni Mbili? Rocket Mud stove – one pot? Rocket Mud stove – two pots?
- 32.) What percentage of households using ICS learned about the improved stoves for the first time through: Radio? TV? Brochures, leaflets or calendars? Neighbours, family or friends? Public meetings or field days? NGOs? Stove producers? Marketing groups? Installers? Others?

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**Kommentar:** This looks as if there should be a note to say to record X and Y from the statements made by the households

### Section Ib: Specific ICS household sample

#### General information

- Total number of households interviewed, rural per cluster
- Total number of households interviewed, urban per cluster
- Overall total per cluster
- Overall rural total
- Overall urban total
- Total households interviewed

**First step:** Please answer Questions No. 1) to 10) and 12) to 32) as above! Take care, that this sample is kept separately from the first sample!

In a **second step**, please take the users of ICS from the first sample and the second sample and put them together as a third sample of only ICS users. Fill in the answers to questions 1) to 10) and 12) to 32) as a sum of the overall users of ICS.

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**Kommentar:** This action is not reflected in the main text at any point. It means that statistically, you have completely different sample sizes and populations. This seems very odd....do you want this as a recommendation for the future?

### **Section 1c: group discussion with women**

#### General information

Number of group interviews carried out, according to the different categories (poor, medium and better off, (if the latter has been done) and by Cluster.

As the group discussions with women using the PRA tools give qualitative information, which is used to complement the numeric data in order to verify certain trends, write up the results according to the 2 or 3 different categories:

- Women's groups from the 'poor' category
- Women's groups from the 'medium poor' category and, if done
- Women's groups from the 'better off' category

PRA tools are used to get direct answers to questions asked, and particularly to gather remarks, statements and observations from the women participating. Take care that all these remarks are reported. Only after having them listed can one categorize and exploit them.

- 33.) Remarks on the general trends of the different categories of the living standards from 2003 up to now. With regards to agricultural yields. With regards to family income and income of women. With regards to health of children and health of mothers. With regards to clothing. With regards to housing.
- 34.) Remarks on the general trends of the different categories of Access to resources from 2003 up to now. With regards to access to firewood. With regards to access to land for tree planting.
- 35.) Remarks on the general trends of the different categories of Knowledge from 2003 up to now. With regards to Education of girls. With regards to skills for women.
- 36.) Remarks on the general trends of the different categories of Rights and Power from 2003 up to now. With regards to participation of women in village meetings. With regards to participation of women in decision making at the village committees and in leadership positions.
- 37.) All general remarks, observations, comments etc. of the women made during the group discussion and not referring to one of the questions above (nor. 33 – 36), according to the categories of the women (poor, medium, better off):
  - 37.1: Remarks on the living standards
  - 37.2: Remarks on the access to resources
  - 37.3: Remarks on the knowledge of women and girls
  - 37.4: Remarks on the rights for women and their empowerment
  - 37.5: Remarks on anything else
- 38.) Description of the most important development activities as seen by the women (according to the different categories poor, medium, better off). What are the most relevant activities? Why are they seen as the most relevant ones? Who is supporting them? Who is benefitting from them? What % of population is benefitting from them?
- 39.) All general remarks, observations, comments etc. of the women made during the group discussion and not referring to one of the questions above (No. 38), according to the category of the women (poor, medium, better off):
  - 39.1: Remarks on development organisations
  - 39.2: Remarks on relevance of development activities
  - 39.3: Remarks on beneficiaries
  - 39.4: Remarks on anything else

- 40.) Description of the impacts of development activities on the criteria of poverty and their assessed strength of influence. What development activities are seen by the women as having the strongest influence on improving their living conditions (according to categorie of women: poor, medium, better off)? As having the strongest influence on the acces or exclusion from resources? As having the strongest influence on increase or decrease of knowledge? As having the strongest influence on acces to or exclusion from rights and power?
- 41.) All general remarks, observations, comments etc. of the women made during the group discussion and not referring to one of the questions above (No. 40), according to the categorie of the women (poor, medium, better off):
- 41.1: Remarks on living standards
  - 41.2: Remarks on Access to resources
  - 41.3: Remarks on knowledge
  - 41.4: Remarks on rights and power
  - 41.5: Remarks on anything else

**Section II: Social Institutions – schools**

Please, give information in the same way as for the household questionnaires.

**Section III: Productive ICS Use – restaurants**

Please, give information in the same way as for the household questionnaires.

**Section IV: Stove Dealers – producer / builder, installer, marketer**

Please, give information in the same way as for the household questionnaires.