

File S1. Questionnaire survey.

Questionnaire directed to farmers who produced charcoal

General information;

Name _____

Village _____ Age _____ Male__

Female__

1. How long have been here (in this village)?

2. How many people live in your village?

3. How many children do you have?

4. How many of your children are studying?

5. What is your level of education?

- Primary school
 Secondary school
 High school
 University
 Others

6. Do you have any agriculture education?

- Yes
 Not
 Maybe
 Others _____

7. How far is your village from the provincial (or market) capital city?

3- 5 hours

6 -8 hours

9 - 11 hours

Other _____

8. Do you have electro domestics like;

- Radio
 Television
 Music recorder
 Other _____

9. What are the main sources of energy do you use for your electro domestics?

- Generator
 Battery
 Electricity

Other _____

House - made of wood, brick, concrete...

Agriculture

10. Are you a farmer?

- Yes
 Not
 Other _____

11. How many hectare of agricultural land do you have?

12. How many people of your family work in work the field?

13. What are the products you cultivate?

14. What are the animals you create? How many?

- Cow
 Goat
 Chicken
 Others _____

How much land do you cultivate every year?

15. Except of you being farm do you produce or collect also charcoal and firewood?

- Yes
 Not
 Maybe
 Others _____

16. What do you do with the products you harvest from you field?

- Own consumption
 Sell
 Others _____

17. Which products do you sell annually on the market?

number	Product	Amount in kg/year	Price (per kg)	Place	Client
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

18. Do you make any processing of your agricultural products?

- Yes
 Not
 Sometime
 Others _____

19. What amount of the crop do you purchase (per year, per one purchase)?

Charcoal production

20. How often do you go to the forest?

21. Apart of charcoal and firewood what are other forest products you collect from forest?

22. How far is the forest from your house?

- 2 - 4 hours
 5-7 hours
 8 - 10 hours
 Others _____

23. How much time you spend in the forest?

24. What do you use to cock your mill?

- Firewood
 Charcoal

- Car
- Motorcycle
- Bicycle

Others _____

35. Which season is more profitable for firewood and charcoal production?

- Rain season
- Dry season
- Both
- Others _____

36. How much of charcoal can you produce per day/week/month?

37. Do you collect also any other products from the forest?

- Yes
- Not
- , What are them?
- Medicinal products
- Fruits
- Honey
- Hunting
- Other _____

a) If yes. What are them?

38. How much do you spend on transport?

39. Is there any problem with the transportation to the market (during the year)?

- Yes
- Not
- Sometimes
- Other _____

Charcoal in the market

40. How much do you sell one bag of charcoal?

41. How many bags can you sell per day?

43. Which of these reasons led you to sell charcoal in this market? (Please consider level of reason from 1 to 7. The highest value is 7).

Reasons	1	2	3	4	5	6	7
Economic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Professional career	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Renalbe business	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

44. Who is the owner of the forest from where you get timber?

Your own forest State

Family forest Village

Company Others

45. How big is this forest?

- Under 50 ha
- 1001 - 5000 ha
- 51- 200 ha
- 5001 - 10 000 ha
- 201- 500 ha
- 10 001 - 20 000 ha
- 501 - 1000 ha
- More than mentioned

46. What are your plans for the future?

Questionnaire directed to transporters of charcoal

Age _____

Gender _____

Village _____

1. Are you from this village?

Yes

Not

Others _____

2. How long have been in this business (charcoal)?

3. Is it your business?

Yes

Not

Others _____

4. If not. Who is the owner? And what does he does?

5. How long does it take from this village to the market

6. How often do you transport charcoal?

7. How many bags of charcoal can you do carry?

8. How much do charge for one bag?

9. Who is the owner of this truck?

Questionnaire directed to consumers of charcoal

Local _____

Gender _____

1. Do you use charcoal to cook your meals?

- Yes
- Not
- Sometimes
- Others _____

2. How often do you cook using charcoal

- 1 -3 times per day
- 2 -4 times per week
- 1-3 times per moth
- Others _____

3. Where do purchase it?

4. How much do you buy it?

- 600 – 1000 Kz
- 1100 – 1500 Kz
- 1600 – 2000 kz
- Others _____

5. Can you approximate how many bags of charcoal do you need per month?

- Less than one bag
- 1-3 bags
- 4-7 bags
- Others _____

6. How big is your household

- 2 – 4 people
- 5 – 7 people
- 8- 10 people
- Others _____

7. Do you have any preference on the types of charcoal?

- yes
- No
- Others _____

8. If yes. Which types of charcoal do you prefer?

9. Do you use gas to cook you meals?

- Yes
- Not
- Others _____

10. If yes. What for do you use charcoal?

11. Have you ever use eucalyptus charcoal?

- Yes
- No
- Others _____

12. If yes. What is your opinion on eucalyptus charcoal?

13. What is your opinion on charcoal production related to forest degradation?

Figure S1. Illustration of the charcoal chain in Bié province-Angola.







