

The Households Socio-economic and biophysical survey

AURORA-Autumn School

In the framework of the AURORA autumn school, a study on sustainability of a farming system will be carried out.

The farm household agro-socio-economic survey aims to characterise:

1. The resource base,
2. Livelihood strategies,
3. Current farming practices,

We would like to ask you a few questions regarding your economic and social status. However, your participation in this survey is voluntary. Even if you agree to respond to these questions, you can refuse to answer any question that you do not wish to answer. We would like to assure you that the information provided by you would only be used for the purpose of research and your identity will not be revealed to anyone either in the final report or in any other way. Through this study people will learn about sustainability of a farming system.

Do you agree to be interviewed?

☐ Yes

☐ No

Name of the Interviewer:

Date and time of interview:

Place of Interview (Village) :

I. Introduction of the Respondent & Socio-demographic assets

1.Name of the respondent: ...

2.Gender:

☐ Male

☐ Female

3.Geographic coordinates :

a. GPS point latitude (UTM).....

b. GPS point longitude (UTM): ...

4.How old are you?

What is your educational level ?

☐ Illiterate

☐ Primary school

☐ Secondary School

☐ University

6. How many children do you have and their age?

7. Do you bring your children in the field with you?

☐ Yes

☐ No

8. Would you encourage your children to be engaged with farming? or would you tell them to join another specializing field?

9. What do you think are the causes for youth abandoning the farming?

10. With governments help, do you think the young professionals will join the farming?

11. What type of government action would be best for the youth motivation?

☐ Technological assistance

☐ Awareness and Education

☐ Financial Incentives

☐ Agricultural loan with lower interest rates for youth below 30 years.

II. Economic assests

13. Total area (Hectare): Number of plots:.....

14. Arboriculture

Plots	Types	Initial number (5Y ago)	Current number	Density	Number in Production	Other
1						
2						
3						
4						
5						

15. Agricultural tools

Type	Initial number (5Y ago)	Current number	Purchase price	Funding source
1.Irrigation				
2.Tractors				
3.Truck				
4.Ploughing tools				
5.Tank				
6.Other				

16. Breeding activity

Animal species	Initial number (5y ago)	Current number	Feeding cost	Production
1. Cattle breeding				
2. Sheep breeding				
3. Goat breeding				
4. Poultry				
6. Other				

17. Do you have other sources of income?

☐ Yes

☐ No

If yes, could you please specify the share (%) of non-farm income?

18. How much the production cost (Cropping year 2022-2023)?

19. How many members they are financially dependent to the farmer incomes?

20. How many members are working with you in the farm?

21. Do you consume some farm product?

☐ Yes

☐ No

If yes, what is the share of production is dedicated to self-consumption?

III. Environmental assets:

1. Irrigation / Water use

22. How long do you irrigate?

23. What is the total amount of water use per year?

24. According to you, what are recommended sustainable water usages?

25. In your opinion, does the usage of water from aquifers results in a deficit in natural sources?

☐ Yes

☐ No

☐ I don't know

2. Salinity

26. What is the salinity of the water?(grams/Liter)

27. Does it occur that the water is too salty for irrigation?

28. Do you use filters?

☐ Yes

☐ No

3. Soil health & soil preparation

29. What is the total amount of farmland / fallow land?

30. How often do you do soil preparation measures?

31. What kind of machines do you use for tillage?

32. Is there a crust covering the soil in your farm?.

33. In which direction do you do till?

☐ Downslope

☐ Across the slope

34. How much soil erosion do you have?

☐ Doesn't exist

☐ Low

☐ Moderate

☐ Severe

35. How do you adapt your soil preparation management to soil erosion risk?

36. Stock rate in your farm?..... LSU/Ha

37. Do you practice set-grazing?

☐ Yes

☐ No

38. How do you promote soil water conservation?

39. How much water do you need to produce 1 kg of product?

4. Biodiversity

40. What crops and varieties do you grow on your farm?

41. Do you have a lot of wild fauna and flora?

42. Did this change during the last years?

☐ Decreasing

☐ Constant

☐ Increasing

43. Do you foster structures / niches to promote biodiversity? •

☐ Yes

☐ No

5. Inputs & Outputs, Material Flow

44. How do you estimate the losses of organic matter and nutrients through your harvest?

45. How do you use your harvest residues?

46. How do you use your manure?

47. Do you use external (mineral) fertilizer?

☐ Yes

☐ No

48. What kind of pests and diseases occur on your farm?

49. What pesticides do you use?

50. Do you have external fodder inputs?

☐ Yes

☐ No

If yes specify (quantity & origin):

IV. Governance

51. How frequently do you receive water through the distribution plan?

☐ Consistently every week

☐ Not consistently random

☐ Consistently every week with some exceptions

☐ Consistent system of water distribution is in place.

☐ Well managed

52. Do you use all of the water from the quota?

☐ Yes

☐ No

If No, what do you do with the unused water?

53. How would you describe your relationship with the other farmers?

☐ Strong trust

☐ Formal relationships

☐ Competition

☐ None of the above

54. How frequently do you meet with farmers from the GDA?

☐ Weekly

☐ Monthly

☐ Rarely

☐ Never

55. Where and when do you meet?

56. How would you describe your relationship with the regional and local public stakeholders?

☐ Strong trust

☐ Neutral

☐ No existing relationship

57. Are you consulted/involved on water related issues?

☐ Yes

☐ No

58. How frequently are you consulted on water related issues?

☐ Very frequently

☐ Frequently

☐ Rarely

☐ Never