

Socioeconomic Household Questionnaire

Climate Change, Livelihoods, and Adaptation in the Nile Delta

Documentation note. This English version of the household questionnaire was prepared by the study team (August 2021) to document the survey instrument administered across the five Nile Delta hotspot areas between December 2020 and April 2021.

This questionnaire is designed around the report's socioeconomic themes, including household characteristics, employment, education, housing, assets, health, income, expenditure, public services, climate impacts, and adaptation.

Introduction and Consent

Questionnaire ID: _____

Date: ____ / ____ / ____

Location/Governorate: _____

Village/Community: _____

Enumerator's name: _____

We are conducting a study to understand household socioeconomic conditions and the impacts of climate change and sea-level rise. Your participation is voluntary. Your answers will remain confidential and will be used only for research and planning purposes.

1. Do you agree to participate in the survey?

☐ Yes

☐ No — terminate interview

Section A: Respondent Information

2. What is your relationship to the head of household?

☐ Head of household

☐ Spouse

☐ Son/daughter

☐ Parent

☐ Other: _____

3. Sex of respondent:

☐ Male

☐ Female

☐ Prefer not to answer

4. Age: _____ years

5. Marital status:
- ☐ Single
 - ☐ Married
 - ☐ Divorced
 - ☐ Widowed
 - ☐ Separated
6. Highest education level completed:
- ☐ No formal education
 - ☐ Reads and writes
 - ☐ Primary
 - ☐ Preparatory
 - ☐ Secondary/technical
 - ☐ University
 - ☐ Postgraduate
7. How many years have you lived in this community?
_____ years
8. Were you born in this community?
- ☐ Yes
 - ☐ No
9. Why did you move to this community?
- ☐ Employment
 - ☐ Marriage/family
 - ☐ Farming or fishing opportunities
 - ☐ Housing availability
 - ☐ Displacement or environmental reasons
 - ☐ Other: _____

Section B: Household Composition

10. How many people normally live in this household?
Total: _____
11. Record the following information for each household member:

Member	Age	Sex	Relationship	Education	Employment	Main occupation
1						
2						
3						
4						
5						
6						

12. Number of household members in the following categories:

Category	Number
Children under 5	
Children aged 5–17	
Adults aged 18–59	
Adults aged 60 or above	
Persons with disabilities	
Persons with chronic illnesses	

Section C: Employment and Livelihoods

The report identifies fishing, tourism, and farming as key economic activities in the surveyed hotspot areas.

13. What is the main occupation of the household head?

- ☐ Farmer
- ☐ Fisher
- ☐ Tourism worker/business owner
- ☐ Government employee
- ☐ Private-sector employee
- ☐ Casual labourer
- ☐ Trader
- ☐ Unemployed
- ☐ Retired
- ☐ Other: _____

14. What is the household's main source of livelihood?

- ☐ Agriculture

- ☐ Fishing
- ☐ Tourism
- ☐ Salaried employment
- ☐ Small business/trade
- ☐ Remittances
- ☐ Government assistance
- ☐ Other: _____

15. Does the household have more than one source of income?

- ☐ Yes
- ☐ No

16. List secondary income sources:

17. Is the household head currently employed?

- ☐ Full-time
- ☐ Part-time
- ☐ Seasonal
- ☐ Occasionally employed
- ☐ Unemployed
- ☐ Unable to work
- ☐ Retired

18. How many months during the previous year did the household head work?

_____ months

19. Has any household member lost employment or working days during the previous 12 months?

- ☐ Yes
- ☐ No

20. What were the main causes? Select all that apply.

- ☐ Flooding
- ☐ Coastal erosion
- ☐ High waves or storms
- ☐ Salinity
- ☐ Reduced fish catch
- ☐ Crop damage
- ☐ Tourism decline
- ☐ Illness

- ☐ Lack of job opportunities
- ☐ Other: _____

21. How stable is the household's main livelihood?

- ☐ Very stable
- ☐ Stable
- ☐ Sometimes unstable
- ☐ Very unstable

Section D: Agriculture

Complete this section only for farming households.

22. Does the household own or operate agricultural land?

- ☐ Yes
- ☐ No

23. Land tenure:

- ☐ Owned
- ☐ Rented
- ☐ Shared
- ☐ Informally used
- ☐ Other: _____

24. Total area cultivated: _____ feddans

25. Main crops cultivated:

- ☐ Wheat
- ☐ Rice
- ☐ Maize
- ☐ Vegetables
- ☐ Fruits/citrus
- ☐ Cotton
- ☐ Other: _____

26. During the previous five years, has agricultural production:

- ☐ Increased
- ☐ Remained unchanged
- ☐ Decreased
- ☐ Do not know

27. What factors have affected production?

- ☐ Soil salinity
- ☐ Water salinity

- ☐ Water shortage
- ☐ Flooding
- ☐ Extreme temperatures
- ☐ Pests or diseases
- ☐ Higher input prices
- ☐ Other: _____

28. Estimated annual crop loss due to environmental or climate-related problems:

- ☐ None
- ☐ Less than 10%
- ☐ 10–25%
- ☐ 26–50%
- ☐ More than 50%

29. What measures have you taken?

- ☐ Changed crops
- ☐ Changed planting dates
- ☐ Improved irrigation
- ☐ Added soil or sand
- ☐ Used salt-tolerant crops
- ☐ Reduced cultivated area
- ☐ No action
- ☐ Other: _____

Section E: Fishing

Complete this section only for fishing households.

30. Type of fishing activity:

- ☐ Marine fishing
- ☐ Lake fishing
- ☐ River/canal fishing
- ☐ Shellfish collection
- ☐ Fish farming
- ☐ Other: _____

31. Does the household own a fishing boat?

- ☐ Yes
- ☐ No

32. Average number of fishing days per month: _____
33. During the previous five years, has the fish catch:
- ☐ Increased
 - ☐ Remained unchanged
 - ☐ Decreased
 - ☐ Do not know
34. What factors have affected fishing income?
- ☐ High waves or storms
 - ☐ Coastal erosion
 - ☐ Water pollution
 - ☐ Changes in water salinity
 - ☐ Decline in fish stocks
 - ☐ Fuel prices
 - ☐ Fishing restrictions
 - ☐ Damage to boats or equipment
 - ☐ Other: _____
35. Have weather conditions prevented fishing during the previous year?
- ☐ Yes
 - ☐ No
36. Approximately how many working days were lost?
_____ days

Section F: Tourism and Small Businesses

37. Does the household receive income from tourism or recreational activities?
- ☐ Yes
 - ☐ No
38. Type of activity:
- ☐ Accommodation or apartment rental
 - ☐ Restaurant/café
 - ☐ Beach equipment rental
 - ☐ Transportation
 - ☐ Retail trade
 - ☐ Tourism employment
 - ☐ Other: _____
39. Is the activity:
- ☐ Year-round
 - ☐ Seasonal

40. During the previous five years, tourism income has:

- ☐ Increased
- ☐ Remained unchanged
- ☐ Decreased

41. Has the activity been affected by erosion, flooding, storms, beach loss, or infrastructure damage?

- ☐ Yes
- ☐ No

42. Estimated reduction in annual tourism income:

- ☐ None
- ☐ Less than 10%
- ☐ 10–25%
- ☐ 26–50%
- ☐ More than 50%

Section G: Household Income and Expenditure

43. What is the household's approximate total monthly income?

- ☐ Less than EGP 3,000
- ☐ EGP 3,000–4,999
- ☐ EGP 5,000–7,499
- ☐ EGP 7,500–9,999
- ☐ EGP 10,000–14,999
- ☐ EGP 15,000 or more
- ☐ Prefer not to answer

44. Approximate monthly expenditure:

Expenditure category	Amount in EGP
Food and beverages	
Housing or rent	
Electricity	
Water	

Fuel and transportation	
Education	
Healthcare and medicines	
Telecommunications	
Agricultural/fishing inputs	
Loan repayment	
Other	
Total	

45. Is the household's income usually sufficient to cover basic needs?

- ☐ Always
- ☐ Most months
- ☐ Sometimes
- ☐ Rarely
- ☐ Never

46. Does the household have savings?

- ☐ Yes
- ☐ No

47. Does the household currently have debt?

- ☐ Yes
- ☐ No

48. What is the main reason for borrowing?

- ☐ Food and basic needs
- ☐ Healthcare
- ☐ Education
- ☐ Housing
- ☐ Agricultural or fishing inputs
- ☐ Business investment
- ☐ Recovery from disaster or property damage
- ☐ Other: _____

49. Has household income changed during the previous five years?

- ☐ Increased
- ☐ Remained unchanged
- ☐ Decreased

50. What is the main reason for this change?

Section H: Housing Conditions

51. Type of dwelling:

- ☐ Detached house
- ☐ Apartment
- ☐ Informal dwelling
- ☐ Temporary structure
- ☐ Other: _____

52. Housing tenure:

- ☐ Owned
- ☐ Rented
- ☐ Provided by employer
- ☐ Shared without rent
- ☐ Other: _____

53. Main construction material:

- ☐ Reinforced concrete
- ☐ Brick
- ☐ Stone
- ☐ Wood
- ☐ Mud or traditional materials
- ☐ Mixed materials

54. Number of rooms used for sleeping: _____

55. Approximate floor area: _____ square metres

56. Is the house located near any of the following?

- ☐ Sea
- ☐ Lake
- ☐ River/canal
- ☐ Agricultural drainage channel
- ☐ Low-lying area
- ☐ None

57. Has the dwelling experienced any of the following during the previous five years?

- ☐ Flooding
- ☐ Groundwater rise

- ☐ Saltwater intrusion
- ☐ Wall cracking
- ☐ Foundation damage
- ☐ Roof damage
- ☐ Storm damage
- ☐ No damage

58. How much was spent repairing climate- or water-related damage during the previous year?

EGP _____

59. Do you believe your house is at risk from future flooding or sea-level rise?

- ☐ High risk
- ☐ Moderate risk
- ☐ Low risk
- ☐ No risk
- ☐ Do not know

Section I: Household Assets

60. Does the household own the following?

Asset	Yes	No
Refrigerator	☐	☐
Washing machine	☐	☐
Television	☐	☐
Mobile phone	☐	☐
Computer/tablet	☐	☐
Internet connection	☐	☐
Air conditioner/fan	☐	☐
Motorcycle	☐	☐
Car	☐	☐
Agricultural machinery	☐	☐
Fishing boat	☐	☐
Livestock	☐	☐

Generator or solar system	☐	☐

61. Has the household sold any assets during the previous year to cover basic expenses or recover from a shock?

☐ Yes

☐ No

Section J: Public Services and Amenities

62. What is the household's main source of drinking water?

☐ Public network

☐ Private well

☐ Water vendor

☐ Bottled water

☐ Other: _____

63. Is drinking water available every day?

☐ Yes

☐ No

64. Main sanitation system:

☐ Public sewerage network

☐ Septic tank

☐ Pit latrine

☐ No formal system

☐ Other: _____

65. Is the household connected to electricity?

☐ Yes

☐ No

66. Rate the accessibility and quality of the following services:

Service	Good	Acceptable	Poor	Not available
Drinking water	☐	☐	☐	☐
Sanitation	☐	☐	☐	☐

Electricity	☐	☐	☐	☐
Roads	☐	☐	☐	☐
Public transportation	☐	☐	☐	☐
Healthcare	☐	☐	☐	☐
Schools	☐	☐	☐	☐
Waste collection	☐	☐	☐	☐
Coastal protection	☐	☐	☐	☐

67. Which services are disrupted during floods or severe storms?

Section K: Health

68. Has any household member suffered from any of the following during the previous year?

- ☐ Respiratory illness
- ☐ Skin disease
- ☐ Diarrhoea or waterborne disease
- ☐ Heat stress
- ☐ Kidney disease
- ☐ Eye disease
- ☐ Injury related to storms or flooding
- ☐ Other: _____
- ☐ None

69. Do you believe any of these illnesses are related to water quality, salinity, heat, pollution, or flooding?

- ☐ Yes
- ☐ No
- ☐ Do not know

70. Distance to the nearest healthcare facility:

_____ kilometres

71. How long does it usually take to reach it?
_____ minutes

72. What are the main barriers to obtaining healthcare?

- ☐ Cost
- ☐ Distance
- ☐ Transportation
- ☐ Lack of medicines
- ☐ Lack of doctors
- ☐ Facility closures during floods/storms
- ☐ No major barrier

Section L: Climate Change Awareness and Experience

73. Have you heard of climate change?

- ☐ Yes
- ☐ No

74. Have you heard of sea-level rise?

- ☐ Yes
- ☐ No

75. During the previous 10 years, have you noticed changes in:

Observed change	Increase d	No change	Decrease d	Do not know
Temperature	☐	☐	☐	☐
Storm frequency	☐	☐	☐	☐
Coastal flooding	☐	☐	☐	☐
Coastal erosion	☐	☐	☐	☐
Soil or water salinity	☐	☐	☐	☐
Rainfall	☐	☐	☐	☐
Fish availability	☐	☐	☐	☐
Agricultural productivity	☐	☐	☐	☐

76. Has your household experienced a serious climate- or weather-related event during the previous five years?

☐ Yes

☐ No

77. What type of event occurred?

☐ Flood

☐ Coastal storm

☐ Extreme heat

☐ Erosion

☐ Saltwater intrusion

☐ Crop failure

☐ Fish-stock decline

☐ Other: _____

78. What were the effects on your household?

☐ Income loss

☐ Employment loss

☐ Property damage

☐ Crop loss

☐ Fishing-equipment damage

☐ Health problems

☐ Temporary displacement

☐ Permanent relocation

☐ School interruption

☐ Service disruption

79. Estimate the total financial loss from the most serious event:

EGP _____

Section M: Coping and Adaptation

80. How did the household respond to the most serious event?

☐ Used savings

☐ Borrowed money

☐ Sold assets

☐ Received government support

☐ Received family/community assistance

☐ Reduced food expenditure

☐ Temporarily relocated

☐ Changed occupation

☐ Repaired or elevated the house

- ☐ Took no action
- ☐ Other: _____

81. Has the household taken any measures to reduce future risk?

- ☐ Raised floor or building level
- ☐ Strengthened the house
- ☐ Improved drainage
- ☐ Built a barrier
- ☐ Changed crops or occupation
- ☐ Purchased insurance
- ☐ Developed emergency savings
- ☐ Prepared an evacuation plan
- ☐ No measures

82. What prevents your household from adapting?

- ☐ Lack of money
- ☐ Lack of information
- ☐ Lack of land
- ☐ Lack of technical support
- ☐ Uncertainty about future risks
- ☐ Lack of government assistance
- ☐ Other: _____

83. Which adaptation measures should receive the highest priority? Choose three.

- ☐ Coastal protection structures
- ☐ Restoration of sand dunes
- ☐ Wetland protection
- ☐ Drainage improvement
- ☐ Early-warning systems
- ☐ Safer housing
- ☐ Relocation assistance
- ☐ Compensation for losses
- ☐ Livelihood diversification
- ☐ Training and employment programmes
- ☐ Agricultural adaptation
- ☐ Support for fishers
- ☐ Health services

84. Would your household be willing to relocate if your area became highly vulnerable?

- ☐ Yes

- ☐ No
- ☐ Maybe

85. What conditions would make relocation acceptable?

- ☐ Financial compensation
- ☐ Replacement housing
- ☐ Replacement agricultural land
- ☐ Employment opportunities
- ☐ Access to schools and healthcare
- ☐ Relocation of the entire community
- ☐ Other: _____

Section N: Government Support and Community Participation

86. Has the household received any government or NGO assistance related to disasters, livelihoods, housing, or climate adaptation?

- ☐ Yes
- ☐ No

87. Type of assistance received:

- ☐ Cash
- ☐ Food
- ☐ Housing repair
- ☐ Agricultural support
- ☐ Fishing support
- ☐ Healthcare
- ☐ Training
- ☐ Relocation support
- ☐ Other: _____

88. Are you satisfied with the assistance?

- ☐ Very satisfied
- ☐ Satisfied
- ☐ Neutral
- ☐ Dissatisfied
- ☐ Very dissatisfied

89. Are residents consulted before coastal-protection or development projects are implemented?

- ☐ Always
- ☐ Sometimes
- ☐ Rarely

- ☐ Never
- ☐ Do not know

90. Would you participate in community meetings about climate risks and adaptation?

- ☐ Yes
- ☐ No
- ☐ Maybe

91. What is your preferred method for receiving warnings and information?

- ☐ Mobile message
- ☐ Telephone call
- ☐ Television/radio
- ☐ Social media
- ☐ Local government
- ☐ Community leader
- ☐ Mosque/church announcement
- ☐ Other: _____

Section O: Priorities and Open-Ended Questions

92. What is the most serious socioeconomic problem facing your household?

93. What is the most serious environmental or climate-related problem in your community?

94. What assistance would most improve your household's livelihood?

95. What should the government do to protect this community from sea-level rise, flooding, or erosion?

96. Additional comments or recommendations:
