



Pacific
Community
Communauté
du Pacifique

Statistical Innovation and Capacity Building in the Pacific Islands Project

Climate Change and Natural Disasters Survey

Household Questionnaire

Version 6 (May, 2023)

0 INTRODUCTION

Adjust to reflect country-specific identifying information, such as region name/code, district name/code, county name/code, name of the household head and household location (as per listing form)

	CODE	NAME																																									
1. DISTRICT:	<table><tr><td></td><td></td><td></td></tr></table>																																									
2. ENUMERATION AREA:	<table><tr><td></td><td></td><td></td></tr></table>																																									
3. PLACE / VILLAGE NAME:																																										
4. HOUSEHOLD ID (FROM LIST):	<table><tr><td></td><td></td><td></td></tr></table>																																									
5. ENUMERATOR CODE:	<table><tr><td></td><td></td><td></td></tr></table>																																										
6. ENUMERATOR NAME:																																										
7. INTERVIEW DATE AND TIME:	<table><thead><tr><th></th><th>DATE</th><th>START</th><th>END</th></tr></thead><tbody><tr><td>Attempt 1</td><td><table><tr><td></td><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td></tr><tr><td>Attempt 2</td><td><table><tr><td></td><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td></tr><tr><td>Attempt 3</td><td><table><tr><td></td><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td><td><table><tr><td></td><td></td></tr></table></td></tr><tr><td></td><td></td><td>HH MM</td><td>HH MM</td></tr></tbody></table>		DATE	START	END	Attempt 1	<table><tr><td></td><td></td><td></td></tr></table>				<table><tr><td></td><td></td></tr></table>			<table><tr><td></td><td></td></tr></table>			Attempt 2	<table><tr><td></td><td></td><td></td></tr></table>				<table><tr><td></td><td></td></tr></table>			<table><tr><td></td><td></td></tr></table>			Attempt 3	<table><tr><td></td><td></td><td></td></tr></table>				<table><tr><td></td><td></td></tr></table>			<table><tr><td></td><td></td></tr></table>					HH MM	HH MM	8. GPS COORDINATES OF THE DWELLING:
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ENUMERATOR: GO TO THE HOUSEHOLD NOW AND SEEK OUT A PRIMARY RESPONDENT. A PRIMARY RESPONDENT MUST BE A PERSON THAT CAN SPEAK ON BEHALF OF ALL HOUSEHOLD MEMBERS OR THE HOUSEHOLD AS A SINGULAR UNIT. THE PRIMARY RESPONDENT SHOULD BE AN ADULT HOUSEHOLD MEMBER KNOWLEDGEABLE ABOUT THE HOUSEHOLD'S COMPOSITION AND THAT HAS LIVED FOR AT LEAST FIVE YEARS IN THE LOCALITY. INDIVIDUALS SHOULD SELF-REPORT THEIR DEMOGRAPHIC INFORMATION. WHEN THIS IS NOT POSSIBLE (IF ADULTS ARE ABSENT DURING THE INTERVIEW OR CHILDREN ARE TOO YOUNG TO RESPOND ON THEIR OWN), THEN THE PRIMARY RESPONDENT OR ANOTHER KNOWLEDGEABLE HOUSEHOLD MEMBER CAN SERVE AS THEIR PROXY.

IF YOU FIND THE HOUSEHOLD AND SOMEONE IS ANSWERING THE DOOR, INTRODUCE YOURSELF TO THE HOUSEHOLD. READ THE FOLLOWING TEXT.

- Country specific text. Mention the following:
- i) Institution responsible of the survey
 - ii) Survey objectives and household selection protocol
 - iii) Confidentiality of the information collected during the interview
 - iv) Profile of the most appropriate respondent for this survey

Interview filters

9. Is it possible to start the interview?

YES..1 ▶ 11

NO...2

10. Reason why the household cannot be interviewed.

REFUSED.....1

NOT QUALIFIED RESPONDENT.....2

HOUSEHOLD NOT EXISTING ANYMORE (E.G., MOVED).....3

OTHER (SPECIFY).....4

>> END OF INTERVIEW

Respondent identification

Register the name, address and phone number of the respondent

11. FULL NAME:

12. ADDRESS:

13. TELEPHONE NUMBER

14. MAIN LANGUAGE SPOKEN AT HOME:

15. LANGUAGE OF THE INTERVIEW:

SECTION 2: HOUSING CONDITIONS

[illegible][illegible]

SECTION 3: CLIMATE CHANGE PERCEPTIONS

1. According to you, what best defines climate change?

(Select all that apply)

☐

- Rise in terrestrial temperatures.....1
- Rise in sea temperatures.....2
- Increase in the number of extreme events.....3
- Growth in the intensity of extreme events.....4
- Increase in sea level.....5
- Changing of seasons.....6
- Melting of glaciers.....7
- Melting of polar ice.....8
- I do not know.....9
- Other (specify).....10

2. According to you, what are the leading causes of climate change?

(Select all that apply)

☐

- Use of fossil fuels (used for transport, industries, etc,...)1
- Deforestation.....2
- Cattle raising.....3
- Non-human causes (natural climate variability).....4
- I do not know.....5
- Other (specify).....6

3. Do you feel concerned about climate change and its impacts?

☐

- Yes.....1
- No.....2
- Indifferent...3

4. Which ecosystems you use for livelihood are threatened by climate change?

(Select all that apply)

(Ecosystems to be customised per country)

☐

- Natural forest.....1
- Managed forest.....2
- Mangroves3
- Wetlands.....4
- Coastal reefs5
- Outer reefs.....6
- Open ocean.....7
- Dunes.....8
- Salt marshes.....9
- Lagoons.....10
- Rivers.....11
- Grasslands.....12
- Agricultural lands.....13
- None of the above.....12
- I do not know.....13
- Other (specify).....14

5. Do you think climate change threatens or will threaten your household's future welfare?

☐

- Yes, strongly.....1
- Yes, somewhat.....2
- No, not very much...3
- No, not at all.....4
- I do not know.....5

6. What do you feel when hearing or learning about future climate change impacts?

(Select all that apply)

☐

- Fear.....1
- Helplessness.....2
- Sadness.....3
- Guilt.....4
- Anger5
- Worry/anxiety.....6
- Apathy/unconcern.....7
- Impotence.....8
- Distrust.....9
- Hope/optimism.....10
- Willingness to cooperate in adaptation/mitigation actions..11
- Other (specify).....12

7. What is your primary source of information about climate change?

☐

- Radio.....1
- Television.....2
- Internet/social media.....3
- Newspaper/journals/magazines.....4
- Church.....5
- School/university/reseach center.....6
- Family members,neighbours/friends.....7
- Miking/siren.....8
- Meteorological service.....9
- Phone(text or call).....10
- App.....11
- None.....12
- Other (specify).....13

8. Do you think that your provincial/national government's actions to counter the impact of climate change:

☐

- Are good and sufficient to address the impacts on people and localities..1
- Are not enough to address the impacts on people and localities.....2

9. Do you think that your government's communication on climate change:

☐

- Generates positive incentives to act in response to climate change..1
- Does not incentivise people to act in response to climate change ...2
- My government does not communicate enough about climate change.....3
- I do not know.....4
- Other (specify).....5

SECTION 4: IMPACT OF NATURAL DISASTERS AND CLIMATE-INDUCED EVENTS AT HOUSEHOLD-LEVEL

4A. IMPACT OF NATURAL DISASTERS ON HOUSEHOLDS

[illegible][illegible]

SECTION 4: IMPACT OF NATURAL DISASTERS AND CLIMATE-INDUCED EVENTS AT HOUSEHOLD-LEVEL

4A. IMPACT OF NATURAL DISASTERS ON HOUSEHOLDS

If Q23>0, please provide detail information in the following questions:

For the household members forced to displace (either temporarily or permanently) in the last 12 months due to these natural disasters, please provide the following information:

# ID CODE of the household member in the roster	28.	29.	30.
	For how long did they displace? A few days.....1 A few weeks....2 Several months..3 Permanently....4	Where did the household member go? To another locality if the same island.....1 To another island on the same country.....2 Abroad (AU or NZ).....3 Abroad (other).....4	What type of facility hosted the household member? <i>(Select all that apply)</i> Government facility.....1 Friend's home.....2 Family or relative's home..3 Buy/rent a new place.....4
	CODE	CODE	CODE
1			
2			
3			
4			
etc.			

SECTION 4: IMPACT OF NATURAL DISASTERS AND CLIMATE-INDUCED EVENTS AT HOUSEHOLD-LEVEL

4B. IMPACT OF SLOW-ONSET CLIMATE AND CLIMATE-INDUCED EVENTS ON HOUSEHOLDS

SLOW-ONSET CLIMATIC AND CLIMATE-INDUCED EVENTS	31. In the past 12 months, was your locality affected by [EVENT]: YES...1 NO...2 > Pass to the Agriculture module	32. How have these slow-onset climatic events affected the livelihoods of your household? (Select all that apply) Reducing crop/livestock/fisheries yields.....1 Increasing crop/livestock/fisheries yields2 Changes in crop planting and harvesting seasonality...3 Decreasing soil fertility due to salination and soil erosion.....4 Less availability and diversity of seeds and planting material.....5 past areas for crops becoming too warm.....6 Reducing ...fish stock.....7 Reducing housing materials, bushmeat, water, firewood, etc.....8 Loss of employment.....9 Reducing non-farm income.....10 Disrupting in market access due to difficulties in transportation.....11 None.....12 Other (specify).....13	33. How have these slow-onset climatic events affected the health of your household members? (Select all that apply) Reducing food availability.....1 Reducing food diversity.....2 Increasing the dependence on processed foods..3 Increasing prevalence of diseases like dengue, yellow fever, etc.....4 Increasing prevalence cardiovascular diseases, diabetes. etc.....5 Increasing stress, anxiety.....6 Reducing water availability and quality.....8 None.....9 Other (specify).....10	34. 33. Have these events pushed members of your household to displace temporarily or permanently? YES...1 NO...2	35. (If Q33=Yes) How many?	36. How have slow-onset climatic events affected your household’s social, cultural and communitarian activities? (Select all that apply) Recovering and applying ancient knowledge.....1 Less willingness to attend community events.....2 Promote the creation of disaster-related or climate change related committees or groups.....3 Fewer possibilities to participate in social cultural/leisure/religious and sports activities..4 Increased participation in spiritual activities, prayers and rituals.....5 Fewer opportunities to wear traditional clothes...6 Disappearance of sites considered a heritage of the community.....7 Increasing conflicts between community members.....8 Increasing crime in the locality.....9 None.....10 Other (specify).....11
	CODE	CODE	CODE	CODE	No. of persons	CODE
1. Irregular rains						
2. Sea level rise						
3. River/coast erosion						
4. Less availability of freshwater						
5. Rise in sea surface temperature						
6. Lesser amount of fish						
7. Smaller fishes						
8. Coral bleaching						
9. Increase of invasive species						
10. Saltwater intrusion						
11. Other (specify)						

SECTION 4C: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON CROPS, LIVESTOCK, AQUACULTURE AND FORESTRY

The Agriculture module is optional and will be displayed only if responses provided in Q6 of the MEMBER ROSTER section are equal to 1, 2,4, and 6.

SECTION 4C1: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON CROPS

1. Did your household cultivate any crops during the past 12 months?

YES...1 >Q2
NO...2 >Q11

C R O P I D	2.	3.	4.	5.	6.	7.	8.
	Please list all crops that you have planted the past 12 months on the land that you operate:	In the past 12 months, what was the area planted with [CROP]?	Has this crop been harvested [CROP]?	What was the harvested area for [CROP]?	What percentage of the harvest was lost?	(if Q6<Q3) Why was the area harvested of [CROP] less than the area planted? (Select the main reason)	(if Q9=1 or 2) What was the economic value of these crop losses?
			YES...1 NO...2			Too little rain/drought...1 Too much rain/flood.....2 Rain came too early.....3 Rain came too late.....4 Storm.....5 Sea level rise.....6 Landslide.....7 Extreme temperature.....8 Wildfire.....9 Hail.....10 Frost.....11 Too much wind.....12 Pest/disease.....13 Other (specify)14	
	CROP NAME	PLANTED AREA (m2 or ha)	CODE	HARVESTED AREA (m2 or ha)	PERCENTAGE (%)	CODE	\$

9. What were the economic losses in agriculture equipment/machinery due to the factors selected in Q7?

\$

10. What were the economic losses in agricultural infrastructure (buildings/facilities) due to the factors selected in Q7?

\$

SECTION 4C2: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON LIVESTOCK

11. Did your household raise any livestock in the past 12 months?

YES...1 >Q12
NO...2 >18

LIVESTOCK GROUP	LIVESTOCK NAME	12.	13.	14.	15.
		In the past 12 months, how many [LIVESTOCK NAME], irrespective of who owned the [LIVESTOCK NAME], did you keep? NOTE: THE OWNER(S) CAN BELONG OR NOT TO THE HOUSEHOLD	What was the average selling or purchase price per animal head in the past 12 months?	How many [LIVESTOCK NAME] died or were lost in the past 12 months?	What was the main reason for [LIVESTOCK NAME] death or loss? Too little rain/drought...1 Too much rain/flood.....2 Storm.....3 Sea level rise.....4 Landslide.....5 Extreme temperature.....6 Wildfire.....7 Hail.....8 Frost.....9 Disease.....10 Other (specify).....11
		QUANTITY	\$ PER ANIMAL	QUANTITY	CODE
Large ruminants	Bulls				
	Oxen				
	Cows				
	Steers/Heifers				
	Calves - Males/Females				
	Buffaloes				
Small ruminants	Goats - He/She/Kids				
	Sheep - Rams/Ewes/Lambs				
Pigs	Pigs - Boar/Sow/Piglets				
Poultry	Chicken - cocks / broilers				
	Chicken - hens / layers				
	Pullets/DOCs				
	Other - Ducks, Geese, Guineafowls, etc.				
Equines	Horses				
	Mules / Donkeys				
Other	Specify				

16. What were the economic losses in livestock equipment/machinery due to the factors selected in Q15? \$ _____

17. What were the economic losses in livestock infrastructure (buildings/facilities) due to the factors selected in Q15? \$ _____

SECTION 4C3: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON AQUACULTURE

18. Did your household practice aquaculture in the past 12 months?

YES...1 >Q19
NO...2 >26

ITEMS	19.	20.		21.	22.	23.
	Did you or any household members collect [ITEM] in the past 12 months? YES...1 NO...2	What was the total quantity of [ITEM] collected in the past 12 months?		What quantity of [ITEM] was lost in the past 12 months?	Why was the main reason for these losses? Too little rain/drought...1 Too much rain/flood.....2 Storm.....3 Sea level rise.....4 Landslide.....5 Extreme temperature.....6 Wildfire.....7 Hail.....8 Frost.....9 Disease.....10 Ocean acidification.....11 Increase of water temperature.....12 Other changes in water characteristics.....13 Other (specify).....14	In the past 12 months, what was the average purchase or selling price of 1 unit of [ITEM]?
	CODE	QUANTITY	UNIT	QUANTITY (in the same unit than Q16)	CODE	\$ PER UNIT (same unit than Q16)
Fish (species to be customized per country)						
Crustaceans						
Clams / Molluscs						
Other (seaweed, corals, etc.)						

24. What were the economic losses in aquaculture equipment/machinery due to factors selected in Q22?

25. What were the economic losses in aquaculture infrastructure (buildings/facilities) due to factors selected in Q22?

\$_____

\$_____

SECTION 4C4: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON FORESTRY

26. Did you or any household member collect any forest products (such as wild fruits, honey, wood, mushrooms, wild animals, medicinal plants, etc.) or other natural (“wild”) products (e.g., from grasslands, fallows, etc.), for either your use or sale, during the past 12 months?

YES...1
NO...2 > GO TO FISHERIES MODULE

PRODUCTS	27. How much of the [PRODUCT] was collected on a typical month during the past 12 months?		28. For how many months did you collect [PRODUCT] in the past 12 months?	29. If you had purchased [PRODUCT] in the market, what would have been its average unit price?	30. During the past 12 months, indicate the events that severely negatively affected the collection of forest products: Too little rain/drought.....1 Too much rain/flood.....2 Rain came too early.....3 Rain came too late.....4 Storm.....5 Sea level rise.....6 Landslide.....7 Extreme temperature.....8 Hail.....9 Frost.....10 Too much wind.....11 Disease.....12 Collection of forest products was not negatively affected.13
	QUANTITY	UNIT	NUMBER OF MONTHS	\$ PER UNIT (sam unit than in Q26)	CODE
WOOD-BASED					
Firewood					
Other woods					
NON-WOOD BASED					
Coconuts					
Jackfruit					
Chayote Squash (<i>xuxu</i> , <i>pimpinela</i>)					
Mushrooms					
Honey					
Palmwine					
Ornamental flowers					
Medicinal plants					
Tea leaves					
Snails					
Wild birds (pheasant, bats, quail, etc)					
Wild pigs					
Sand					
Rocks, stone, mud					
Other (specify)					

31. What were the economic losses in forestry equipment/machinery due to the factors selected in Q30? \$ _____
32. What were the economic losses in forestry infrastructure (buildings/facilities) due to the factors selected in Q30? \$ _____

SECTION 4D: IMPACTS OF NATURAL DISASTERS AND CLIMATE CHANGE ON FISHERIES

The Agriculture module is optional and will be displayed only if response provided in Q6 of the MEMBER ROSTER section is equal to 5.

1. Did you or any member of your household catch fish, crustaceans, or clams/molluscs, for either your own use or sale in the past 12 months?

YES...1
NO...2 >END OF THE FISHERIES MODULE, PASS TO THE ADAPTATION MODULE

ITEMS <div>LIST OF PRODUCTS TO BE CUSTOMIZED/DETAILED PER COUNTRY</div>	2.		3.	4.	5.	6.	7.
	What is the total quantity of [ITEM] fished in the past 12 months?		Was this quantity:	What was the main reason for the change in the catch level?	In the past 12 months, what was the average purchase or selling price of 1 unit of [ITEM]?	In the past 12 months, what was the percentage of loses in the fish catch due to the problems selected in Q4?	In the past 12 months, what was the economic value of losses in the fish catch due to the problems selected in Q4?
	QUANTITY	UNIT	CODE	CODE	\$ PER UNIT (same unit than Q2)	%	\$
Fish (species to be customized per country)							
Crustaceans							
Clams							
Molluscs							
Other (seaweed, turtles, marine mammals, etc.).							

6. What were the economic losses in fishing equipment/machinery due to the factors selected in Q4?

\$_____

7. What were the economic losses in fishing infrastructure (buildings/facilities) due to the factors selected in Q4?

\$_____

SECTION 5: CLIMATE CHANGE ADAPTATION OPTIONS ADOPTED AT THE HOUSEHOLD LEVEL

5.1. Retreat adaptation measures

1. In the past 12 months, what retreat adaptation option have your household implemented for responding to the threats of natural disasters and climate change?

(Adaptation options to be customised per country)

I relocated my house in other locality in the same island without a managed retreat approach.....1	<input type="text"/>
I relocated my house in other island in the same country without a managed retreat approach.....2	
My house was relocated in other locality in the same island under a managed retreat approach.....3	
My house was relocated under in other island in the same country under a managed retreat approach.....4	
I do not know.....5	
None of the above.....6	
Other (specify).....7	

5.2. Defensive adaptation measures

2. In the past 12 months, what defensive adaptation options have your household implemented for responding to the effects of natural disasters and climate change?

(Select the three most important adaptation options for each subheading) (Adaptation options to be customised per country)

Options for responding to the impacts of flooding on housing	<input type="text"/>
Construct levees around the house.....1	
Improve drainage system.....2	
Improve gardens to safely redirect water.....3	
Use roofs capable of coping with high intensity rainfall events using impact and moisture resistant materials.....4	
Reinforce house structures.....5	
Maximize use of water-resistant materials.....6	
Raise floor heights.....7	
Construct houses responding to sun orientation.....8	
Install hot air extraction technology.....9	
Install lighter-colored, reflective roofs.....10	
Double glazing of windows to support insulation.....11	
I do not know.....12	
None of the above.....13	
Other (specify).....14	

Options for responding to the impacts on productive activities	<input type="text"/>
Reforest in areas likely to flood.....1	
Enrich the soil with organic matter.....2	
Improve irrigation systems and dig local dams.....3	
Substitute crops with drought and salt resistant cultivars.....5	
Incorporate agro-forestry, shade and inter-cropping6	
Prepare vegetal material in nurseries.....7	
Strengthen/upgrade land infrastruture used for agriculture.....8	
Select animals and/or species that are more resistant to heat and diseases.....9	
Reinforce turistic assets (lodges, restaurants, hotels, beach facilities.....10	
I do not know.....11	
None of the above.....12	
Other (specify).....13	

Adaptation Options for protecting availability of fresh and drinking water	<input type="text"/>
Install water capture and distribution facilities.....1	
Protect household wells by cement lining open wells.....2	
I do not know.....3	
None of the above.....4	
Other (specify).....5	

3. In the past 12 months, what defensive adaptation options have your government implemented for responding to the effects of natural disasters and climate change in your locality?

(Select the three most important adaptation options for each subheading) (Adaptation options to be customised per country)

Options for responding to coastal fringe flooding	<input type="text"/>
Construction of physical barriers (seawalls, breakwaters, gabion, groins and sluices).....1	
Protection of mangrove, wetlands, dunes forests and reforestation of areas close to waterways.....2	
Prohibition or control of the removal of beach sediments.....3	
Beach nourishmen.....4	
I do not know.....5	
None of the above.....6	
Other (specify).....7	

Options for responding to inland flooding	<input type="text"/>
Construction of dykes or sluices.....1	
Creation or elevation of existing canal walls.....2	
I do not know.....3	
None of the above.....4	
Other (specify).....5	

Options for responding to the impacts of flooding on public infrastructure	<input type="text"/>
Secure infrastructure (e.g., energy transmission lines, elevate roads and airports, redesign road system,c.).....1	
Reduce water flows (e.g., install drainage facilities and water pumps, reduce paved areas to improve permeability of the soil or adopt water permeable pavements).....2	
Build of safer schools.....3	
I do not know.....4	
None of the above.....5	
Other (specify).....6	

Options for responding to the impacts of climate change on natural systems	<input type="text"/>
Create artificial environments for the maintenance of species populations.....1	
Provide incentive for conservation in farming areas, including benefits from carbon sequestration opportunities or other ecosystem services..2	
Declare new marine/basins/forest/mangrove and estuarine protected areas.....3	
Expand the protected area estate4	
Establish ecological corridors.....5	
Revegetate of coastlines areas vulnerable to erosion with native salt-tolerant plants.....6	
Translocate species at risk to secure locations.....7	
Plan and plant gardens that provide habitat for native species and drought and flood resistant.....8	
Improve composition of tree species in reforested areas.....9	
Creation of artificial reefs.....10	
Regulate the use of agritoxics.....11	
Restoration of ecosystems.....12	
I do not know.....13	
None of the above.....14	
Other (specify).....15	

Adaptation options for protecting availability of fresh and drinking water	<input type="text"/>
Install devices to prevent seawater from back flowing into storm drains.....1	
Protecting wells by cement lining open wells.....2	
I do not know.....3	
None of the above.....4	
Other (specify).....5	

5.3. Co-existing adaptation measures

4. In the past 12 months, what co-existing adaptation options have your household implemented for responding to the effects of natural disasters and climate change?

(Select the three most important adaptation options for each subheading) (Adaptation options to be customised per country)

Options for responding to multiple threats	<input type="text"/>
Family members participated in education and public awareness campaigns1	
Family members trained and enrolled in volunteer/comunitarian emergency and relief teams/groups2	
Family members enhanced labor and professional skills3	
Family members remained attentive of warning systems.....4	
My family had a disaster management plan and evacuation plan.....5	
Family members had their vaccination schedule up to date.....6	
Children attended risk reduction programmes at school.....7	
Family members participated in disaster simulation exercises.....8	
My family changed food consumption habits.....9	
I do not know.....10	
None of the above.....11	
Other (specify).....12	

Options for responding to the impacts of flooding on housing	<input type="text"/>
Secure vulnerable equipment above the forecasted flooding level.....1	
Build transportable and/or floatable house2	
Clear constantly the water drains of the streets near the house.....3	
I do not know.....4	
None of the above.....5	
Other (specify).....6	

Options for responding to the impacts on productive activities	<input type="text"/>
Farm on higher ground to avoid flood-prone areas.....1	
Adopt vertical farms.....2	
Grow crops undercover.....3	
Diversify cropping species.....4	
Adjust planting and harvest or fishing dates.....5	
Regulate the use of agritoxics that exterminate pollinizers.....6	
Participate in financial and technical assistance programmes.....7	
Constitute women's groups to plant household gardens, recover women's ancestral knowledge, etc.....8	
Sought paid jobs in other sectors less exposed to climate change.....9	
Introduce aquaculture projects.....10	
I do not know.....11	
None of the above.....12	
Other (specify).....13	

Adaptation Options for protecting availability of fresh and drinking water	<input type="text"/>
Install desalinization systems.....1	
Install tanks to supplement the household reticulated water supply system.....2	
Establish agreements with owners of the wells' land closer to the household to allow family members to access water during droughts.....3	
I do not know.....4	
None of the above.....5	
Other (specify).....6	

5. In the past 12 months, what co-existing adaptation options have your government implemented for responding to the effects of natural disasters and climate change in your locality?

(Select the three most important adaptation options for each subheading) (Adaptation options to be customised per country)

Options for responding to multiple threats

Elaborate and divulgate disaster management plan and evacuation plans.....1
Implement education and public awareness campaigns2
Elaborate flooding intensity maps with the communities...3
Strengthen early warning systems.....4
Position of water and chlorine tanks in critical points.....5
Mark evacuation routes on posts and signs.....6
Create and train emergency and relief teams.....7
Conduct disaster simulation exercises.....8
Strengthen primary health care, for mothers and their children.....9
Vaccinate children and animals.....10
Strengthen institutions responsible for disaster, prevention and preparedness....11
I do not know.....12
None of the above.....13
Other (specify).....14

Options for responding to the impacts of flooding on public infrastructure

Diversify energy supply.....1
Increase waste and water treatment capacity.....2
I do not know.....3
None of the above.....4
Other (specify)....5

Options for responding to the impacts of climate change on natural systems

Improve biodiversity management.....1
Procure efficient irrigation of natural and or restored areas.....2
Prohibit or control the removal of beach sediment.....3
Revegetate coastlines areas vulnerable to erosion with native salt-tolerant plants4
I do not know.....5
None of the above.....6
Other (specify).....7

Adaptation options for protecting availability of fresh and drinking water

Install pumps in local wells.....1
Revitalise traditional wells.....2
Install tanks to supplement the public reticulated water supply system.....3
I do not know.....4
None of the above.....5
Other (specify).....6

6. Overall, would you say that the adaptation options implemented in the past 12 months have reduced the impact of natural disasters and climate change on your household?

Yes, strongly.....1
Yes, somewhat.....2
No, not very much...3
No, not at all.....4
I do not know.....5

5.4. INSTITUTIONAL SUPPORT

7. In the past 12 months, has your household received any support for designing or implementing climate change adaptation measures?

Yes.....1
No.....2
I do not know....3

8. In the past 12 months, what type of support have you received for implementing adaptation measures?

(Select the three most important supportive actions) (Supportive actions to be customized per country)

Subsidies, credit, grants, insurance, etc.....1
Support for women to have access to land tenure.....2
Programs and projects aimed at women, children and elderly.....3
Technical assistance to adapt economic activities4
Support to improve food security.....5
Technical assistance to improve the dwelling's infrastructure6
Support to community strengthening and organisation.....7
None.....8
I do not know9

9. In the last 12 months, from which organisation/agency did the household receive financial/technical/assistance support?

(Select all that apply)

Local government agencies.....1
National government agencies.....2
Private company.....3
International organizations.....4
NGOs.....5
Social welfare organization.....6
Cooperative.....7
Local/civil society organization.....8
Faith-based groups.....9
None.....10
I do not know.....11

10. Overall, would you say that the adaptation support provided in the last 12 months:

Was good and sufficient for adapting to climate cahnge...1
Was not enough for adapting to climate cahge.....2
I do not know.....3

11. In the last 12 months, have you been involved in any committees or groups (e.g., disaster response teams) engaged in climate change adaptation?

YES..1
NO...2

12. In the past 12 months, what are the leading personal challenges limiting your action on natural disaster prevention and climate change response?

(Select the three most important challenges) (Challenges to be customized per country)

Lack of physical skills (running, swimming, etc.).....1
Lack or low education level.....2
Lack or difficulty in access and control of clean water, firewood, land, productive assets, bank account, financing,etc.....3
Lack of other abilities (build or fix infrastructure, internet use, technologies use, etc.....4
High dependency on forest products, water, or other natural resurces compromised because of natural disasters and climate change..5
Little influence on decision-making during and after natural disaster events6
Lack of time for find a job or participate in adaptation programmes.....7
Long distance of my dwelling to main road.....8
Long distance of my dwelling to capital city.....10
None.....11
Other (specify).....12