

FORM 4

INDIVIDUAL INTERVIEW

4.1. INDIVIDUAL INTERVIEW - HOUSEHOLD'S SECTION

4.2. INDIVIDUAL INTERVIEW - TECHNICAL SECTION

It is necessary to undertake two different interviews with two distinct households for each type of construction being studied (ideally).

It is essential to take photos and make sketches (space is provided for this at the end of the document). Ask the occupants for their consent to take photos of their house and their plot of land, as well as the dimensions of the structure (carry tape measures for that) and other information relevant to the analysis.

Ask residents for their consent to take pictures of their home and plot, as well as recording building dimensions and other information relevant to the interview. If possible, try to do the interview with the presence and opinions of different family members: men, women, children, elderly, boys, girls...

This form can be divided into two different forms, so that two teams or two persons can work in parallel (Form 4.1. and Form 4.2.) and time can be saved.

Make sure not to raise expectations and to properly explain the objective of the interviews.

Last but not least, it is essential to try to find out the rationale of the interviewees' answers and the reasons behind their choices.

Review of forms, how to add and update content. Use colours to define what is more specific to rural context / urban context

- Common to rural / urban context (questions already existing in the form): black
- Common to rural / urban context (new topics): blue
- Already existing / specific only or mainly to rural context: green
- New topics / Reformulated topics specific to urban context: orange

Report -> Where in the report is needed the information gathered from a question

- If you wish to add questions, please do it at the end of a section so the numbers of the questions do not vary. If you propose to eliminate a question because of a lack of relevance, please put a comment and we will discuss. This way we preserve the links between the questionnaires and the report template.

4.1. INDIVIDUAL INTERVIEW - HOUSEHOLD SECTION

1	Form n°	Location (Coordinates, District)		Interviewer(s)	Date
2	Location details	Traditional Authority GVH Village			
3	Owner(s) / Person(s) interviewed	Name	Age	Gender	Number of occupants
					M : F : Adults : Children :
		Sources of income for the household		Is the house/compound used for an income-generating activity?	

4	General questions	<p>4.1 Please describe your current house tenure:</p> <ul style="list-style-type: none"> a) Self-owned b) Rented (paying) c) Freely rented by a relative/friend d) Hosted by a relative in their house e) Informal occupation f) Other, (specify) <p>4.2 Are there different constructions in the same plot (when suitable)? What are the uses of these constructions? <i>Report -> 3.9. Functions of different spaces in a house / buildings in a compound</i></p> <p>4.3 Are there different families living in the same plot/house? Where this is the case, who lives in the other constructions / <i>rooms</i>? Do the other family units pay rent/in kind? <i>Report -> 3.7. General description of housing conditions</i></p> <p>4.4 If there are extensions: what part of the house, and on which side? Why was this chosen, and how was it planned? After how long? <i>Report -> 4.8. Improvement / extension of construction</i></p> <p>4.5 Is the house where you are living a temporary structure or a permanent one? <i>Report -> 3.10. Description of existing housing designs</i></p> <p>4.6 What do you consider a permanent construction, what do you link with temporary? <i>Report -></i></p>	

		<p><i>3.10. Description of existing housing designs</i></p> <p>4.7 What are the main barriers or challenges to have a safe/resilient house? <i>Report -> 3.4. Obstacles for the access to decent / resilient housing</i></p> <p>4.8 Do you follow any regulation or norm (formal or informal) when constructing or improving/renovating your house? If yes, which? <i>Report -> 2.7. Regulatory framework of construction sector</i></p> <p>4.9 How many rooms are there in the house? How many persons live in the house? <i>Report -> 3.7. General description of housing conditions</i></p> <p>4.10 How are lighting conditions in the interior of the house/ shelter during the day? What lighting system do you use at night? <i>Report -> 3.7. General description of housing conditions</i></p> <p>4.11 Do you feel safe in your house/shelter from potential human risks? (<i>burglary, violence...</i>). If no, why? <i>Report -> 2.15. Security</i></p> <p>4.12 Do you have problems of important noise close to your plot / house / shelter? (<i>impact on cardiovascular disease</i>) Yes or No. If yes why? <i>Report -> 3.5. Diseases related to shelter/housing</i></p> <p>4.13 Do you think that your house/shelter is protected against mosquitoes (<i>malaria</i>) and pest infestations (<i>vector control</i>)? Yes or No. If yes, how? <i>Report -</i></p>	
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		<p>> 3.5. Diseases related to shelter/housing / 3.7. General description of housing conditions</p> <p>4.14 Do you keep any animals/ livestock in your house (<i>chickens, goats, livestock...</i>)? Yes or No. If yes, what animals? <i>Report -> 3.5. Diseases related to shelter/housing / 3.7. General description of housing conditions</i></p> <p>4.15 What do you most like in your house, including the plot, and why? <i>Report -> 3.6. Perceived needed or important aspects and improvable aspects in a house</i></p> <p>4.16 Which is the most important space or room in your house or plot for you and your family? (<i>If possible, ask to different family members: men, women, children, elderly, boys, girls...</i>) <i>Report -> 3.6. Perceived needed or important aspects and improvable aspects in a house</i></p> <p>4.17 If you had the means, what would you change or improve in your house as priority to fit your specific needs? Why? (<i>If possible, ask to different family members: men, women, children, elderly, boys, girls...</i>). Provide options. E.g roofing, floor, size of the house, design (position of the windows, doors or veranda) <i>Report -> 3.6. Perceived needed or important aspects and improvable aspects in a house</i></p> <p>4.18 What are the biggest limitations to improve your house? (<i>Materials, labour, etc.</i>) (<i>If possible, ask to different family members: men, women,</i></p>	
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		<p>children, elderly, boys, girls...) <i>Report -> 3.4. Obstacles for the access to decent / resilient housing</i></p> <p>4.19 What do you most like in your neighborhood or village, and why? (If possible, ask to different family members: men, women, children, elderly, boys, girls...) <i>Report -> 3.2. Perceived best and worst aspects of the area</i></p> <p>4.20 What would you change or improve in your neighbourhood or village to fit your specific needs? Why? (If possible, ask to different family members: men, women, children, elderly, boys, girls...) <i>Report -> 3.2. Perceived best and worst aspects of the area</i></p> <p>4.21 What are the main present or past diseases (5 years) in your household -if any-? (respiratory infections - including pneumonia-, malaria, tuberculosis, diarrhoea, mental health challenges/issues...). Are you able to access health care services? If yes where? <i>Report -> 3.5. Diseases related to shelter/housing / 2.11. Services</i></p>	
5	Communication	<p>5.1 Who do you ask or where do you get information on how best to construct or improve your house? <i>Report -> 2.9. Communication</i></p> <p>5.2 How do you receive the information / news and how do you inform others? What channels are available in your community and which do you best like? <i>Report -> 2.10. Engagement channel register</i></p>	

		5.3 What prevents you from getting the information you need? What would you need or like to get more information about? <i>Report -> 2.9. Communication</i>			
6	Construction process	6.1. Who built the house where you live? (tick one or more boxes) <i>Report -> 4.4. Persons involved in construction</i>			
		<input type="checkbox"/> Current owner / occupant <input type="checkbox"/> Qualified building workers <input type="checkbox"/> Unqualified building workers <input type="checkbox"/> Family member or personal relationship <input type="checkbox"/> Other		How many people of each category? Cost of labour (if any)	
		6.2. Criteria for choice of building workers (tick as many boxes as required) <i>Report -> 4.4. Persons involved in construction</i>			
		<input type="checkbox"/> Knew them personally <input type="checkbox"/> Word of mouth (recommendation from someone else/friend/relative) <input type="checkbox"/> Availability <input type="checkbox"/> Cost <input type="checkbox"/> Quality of work <input type="checkbox"/> Other			
		6.3. Strategies to reduce costs (tick one or several boxes) <i>Report -> 4.1. Financing of construction / rental / 4.2. Solidarity mechanisms in construction or access to housing</i>			
		<input type="checkbox"/> Participation in building work <input type="checkbox"/> Collection of materials <input type="checkbox"/> Involvement of family or friends/neighbours <input type="checkbox"/> Mutual assistance group <input type="checkbox"/> Other			
7	Construction	7.1. Date of construction			
		7.2. Criteria for choice of the position of the house <i>Report -> 3.7. General description of housing conditions</i>			
		7.3. Weaknesses of the house (frequent problems and their causes) <i>Report -> 3.10. Description of existing housing designs / 5.1. Weaknesses</i>			
		7.4. Strengths of the house/ good construction practices <i>Report -> 3.10. Description of existing housing designs / 5.2. Strengths / good practices</i>			
8	Stages of construction	Stage of construction	Duration of stage	What needs to be done? By whom (women / men / children/ building	Cost (probe for the value/family contribution)

	<i>Report -> 3.10. Description of existing housing designs</i>		(where applicable)	workers?) How and how many persons?		
		Collection of local materials / collecting water for construction				
		Purchased materials (in case it is relevant) How do you buy (credit...) / transport the purchased construction materials/goods to your location?				
		Production of local materials (e.g. adobe)				
		Preparation of wood, other plant materials. (e.g. for thatched roofs or frames for wooden houses, cob, etc.)				
		Preparation of the ground/site				
		Foundation + base course				
		Walls (structure and filling)				
		Frame construction				
		Roofing				
		Joinery (windows/frames, doors/frames)				
		Floor surfaces				
		Finishing (Wall smearing, painting, materials used for finishing, etc.)				
		Other stages				
9	Materials <i>Report -> 4.6. Materials</i>	Types of materials and quality	Parts of the building work for which the materials are used	Criteria for choice of the materials	Origin & distance	Cost of the materials & transport cost

10	Maintenance / improvement <i>Report -> 4.7. Maintenance</i>	Which parts of the house needs maintenance	Frequenc y	What needs to be done? By whom? How?	Cost	
11	Experience of most recent disasters	11.1. What are the existing hazards in the area (<i>tick one or more boxes</i>)? o strong winds o torrential rain o earthquake o flood o landslide o fire o other : <i>Report -> 1.5. Local hazards</i>				
		11.2. How frequently do they occur? <i>Report -> 1.5. Local hazards</i>				
		11.3. Are there systems in place (<i>at your household or within the settlement</i>) to reduce the damage to buildings from hazards? Special building techniques? (<i>eg. tying down the roof before a storm</i>) <i>Report -> 5.2. Strengths / good practices</i>				
		11.4. When did the last disaster take place? <i>Report -> 4.9. Last emergency</i>				

		<p>11.5. What has been your biggest fear when the disaster happened? <i>Report -> 4.9. Last emergency</i></p> <p>11.6. Does your family feel safe in the house when a disaster happens? <i>Report -> 4.9. Last emergency</i></p> <p>11.7. What important assets (<i>related to shelter</i>) have you lost during the disaster? <i>Report -> 4.9. Last emergency</i></p> <p>11.8. Where do you / others take shelter during a disaster? <i>Report -> 1.5. Local hazards</i></p> <p>11.9. Where might you take shelter following a disaster if your house has been damaged? <i>Report -> 1.5. Local hazards</i></p>	
		<p>11.10. What damage was caused by the last disaster to your house? (<i>tick one box</i>) <i>Report -> 4.9. Last emergency / 5.1. Weaknesses</i></p> <ul style="list-style-type: none"> <input type="radio"/> No damage <input type="radio"/> Minor damage <input type="radio"/> Structural damage <input type="radio"/> Completely destroyed <p>Description:</p> <p>11.11. What parts of the house resisted better and why? <i>Report -> 5.2. Strengths / good practices</i></p>	
		<p>11.12. Strength of recent rainfalls (<i>tick one or several boxes and write down the year</i>)? <i>Report -> 1.5. Local hazards</i></p>	<ul style="list-style-type: none"> <input type="radio"/> weak <input type="radio"/> average <input type="radio"/> heavy <input type="radio"/> very heavy <input type="radio"/> not Applicable
		<p>11.13. Recent winds strength (<i>tick one or several boxes and write down the year</i>)? <i>Report -> 1.5. Local hazards</i></p>	<ul style="list-style-type: none"> <input type="radio"/> weak <input type="radio"/> moderate <input type="radio"/> strong <input type="radio"/> very strong (trees blown over) <input type="radio"/> Not Applicable
		<p>11.14. Water level (<i>for floods</i>) in metres of recent floods? <i>Report -> 1.5. Local hazards</i></p>	
		<p>11.15. Earthquake? What damage (<i>tick one or several boxes and write down the year</i>)? <i>Report -> 1.5. Local hazards</i></p>	<ul style="list-style-type: none"> <input type="radio"/> no damage <input type="radio"/> minor damage <input type="radio"/> structural damage <input type="radio"/> completely destroyed <input type="radio"/> Not Applicable
		<p>11.16. Other hazard: <i>Report -> 1.5. Local hazards</i></p>	

		<p>11.17. Did you receive assistance for rebuilding your house? <i>Report -> 4.9. Last emergency</i></p> <p>11.18. Did you make any changes to the construction of the house to resist disasters in the future? If yes, describe these changes. <i>Report -> 4.9. Last emergency / 5.3. Achievable and affordable physical improvements</i></p> <p>11.19. How did you learn about hazard resistant construction? <i>Report -> 2.9. Communication / 2.10. Engagement channel register</i></p> <p>11.20. Did you receive reconstruction /retrofitting grants? What were the main barriers faced in the reconstruction? <i>Report -> 4.1. Financing of construction / rental / 4.9. Last emergency</i></p> <p>11.21. Did you receive a building permit from the municipality? If yes how? Who helped? If not, what is keeping you from obtaining the permit? <i>Report -> 4.10. Decision making in construction / access to housing / 4.5. Difficulties found in construction</i></p> <p>11.22. Who were the stakeholders that you had to interact with? (masons, local leaders, private sectors, financial actors, etc) <i>Report -> 2.5. Stakeholder mapping</i></p> <p>11.23. Did you use or prefer to use traditional building materials or opt for modern designs and materials? Why? <i>Report -> 4.9. Last emergency</i></p> <p>11.24. How did you manage your finances? <i>Report -> 4.1. Financing of construction / rental</i></p> <p>11.25. Did you use government trained masons? <i>Report -> 4.9. Last emergency</i></p> <p>11.26. Would you like to be resettled from the place where you are living? For what reasons (conflict - violence/ disaster prone zone/ insecurity of tenure...)? <i>Report -> 2.22. Resettlement conditions to be updated</i></p> <p>11.27. How did COVID-19 affect you in the recovery process? <i>Report -> 4.9. Last emergency</i></p>	

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Other data

4.2. INDIVIDUAL INTERVIEW - TECHNICAL SECTION

	Questions to be put to owners/occupants
	Response gathered by interviewer's observation

1	Form n°	Owner		Interviewer(s)		Date
2	Situation of the compound (<i>tick the answers</i>)	2.1. Terrain <input type="checkbox"/> flat <input type="checkbox"/> slope <input type="checkbox"/> hilltop <input type="checkbox"/> near a lake / river <input type="checkbox"/> other	2.2. Risks Natural <input type="checkbox"/> exposed to wind <input type="checkbox"/> unstable slope <input type="checkbox"/> exposed to floods <input type="checkbox"/> other: Human <input type="checkbox"/> looting /security :	2.3. Vegetation <input type="checkbox"/> no surrounding vegetation <input type="checkbox"/> minimal vegetation <input type="checkbox"/> some trees <input type="checkbox"/> surrounded by trees <input type="checkbox"/> gardens / agricultural fields	2.4. Houses layout <input type="checkbox"/> adjoined/semi-detached houses <input type="checkbox"/> close to other houses <input type="checkbox"/> urban storey buildings <input type="checkbox"/> other: <i>Report -> 3.1. General description of settlement patterns</i>	
3	The compound / placement of the house / constructions in the compound / typology of each construction (<i>tick the answers</i>)	3.1. Distance from a river / gully (in meters)	3.2. Orientation (with relation to the slope ; to prevailing winds ; to the plot ; north direction) <i>Report -> 3.7. General description of housing conditions</i>	3.3. Location in relation to the road <i>Report -> 3.7. General description of housing conditions</i>	3.4. Distance to other buildings (neighbours) <i>Report -> 3.1. General description of settlement patterns</i>	
		3.5. Buildings in the compound / Spaces in the house (<i>Please tick the buildings present</i>) <i>Report -> 3.9. Functions of different spaces in a house / buildings in a compound</i>	3.6. Position on the plot. Are there particular reasons for the placement of the constructions? <i>Report -> 3.7. General description of housing conditions</i>		3.7. Type of construction (regarding materials, roof, etc.) <i>Report -> 3.10. Description of existing housing designs</i>	
		<input type="checkbox"/> House with different spaces together in the same construction (define number of rooms, living-room, kitchen...): <input type="checkbox"/> Separate constructions with different rooms for sleeping and number of rooms: <input type="checkbox"/> Kitchen <input type="checkbox"/> Latrine (only for the family living in the house or shared?): <input type="checkbox"/> Shower (only for the family living in the house or shared?): <input type="checkbox"/> Agriculture / farming buildings (storage, granary, stable...):				

		<ul style="list-style-type: none"> ○ Exterior covered spaces (verandas, terraces, porches...): ○ Office / professional practice ○ Religious building, space ○ Others: 			
		3.8. What are the uses of the vegetation present in the compound/ area/ street? <i>Report -> 3.12</i>			
4	Dimensions of the constructions <i>(In a compound, at least the main rooms and the kitchen, if possible also the agricultural buildings, latrines...)</i> <i>(To be completed after the diagrams)</i> <i>Report -> 3.10.</i> <i>Description of existing housing designs</i>	Construction:			
		Exterior perimeter (m)	Heights - external (m)	Rooms (m)	Heights - interior (m) (if possible to enter the house)
			Ridgepole : Guttering : Walls :	main rooms: secondary rooms: verandah: other:	
		Construction:			
		Exterior perimeter (m)	Heights - external (m)	Rooms (m)	Heights - interior (m) (if possible to enter the house)
			Ridgepole : Guttering : Walls :	main rooms: secondary rooms: verandah: other:	
		Construction:			
		Exterior perimeter (m)	Heights - external (m)	Rooms (m)	Heights - interior (m) (if possible to enter the house)
			Ridgepole : Guttering : Walls :	main rooms: secondary rooms: verandah: other:	
		Construction:			
Exterior perimeter (m)	Heights - external (m)	Rooms (m)	Heights - interior (m) (if possible to enter the house)		
	Ridgepole : Guttering : Walls :	main rooms: secondary rooms: verandah: other:			
5	Condition of the house <i>Report -> 4.7. Maintenance / 4.8. Improvement / extension of construction</i>	Age (years since construction) <i>(If the house was built in several stages, write the date of completion of each part)</i>	Condition of the different constructions (tick and write the name of the constructions)		
			<ul style="list-style-type: none"> ○ Excellent: ○ Good: ○ Fair: ○ Poor: ○ Other: 		

6	Facilities/ equipment	Water source <i>Report -> 2.12. Water</i>			
		Where do you find water for the house? <i>Report -> 2.12. Water</i>	Access <i>Report -> 2.12. Water</i>	Distance / time needed to collect water <i>Report -> 2.12. Water</i>	
		<input type="radio"/> Town water supply system <input type="radio"/> well <input type="radio"/> pump <input type="radio"/> pond <input type="radio"/> other	<input type="radio"/> easy <input type="radio"/> difficult <input type="radio"/> very difficult <input type="radio"/> other	<input type="radio"/> 0-10 min <input type="radio"/> 10-30 min <input type="radio"/> 30-60 min <input type="radio"/> 60+ min	
		Do you pay for water? If yes, how much per volume? <i>Report -> 2.12. Water</i>			
		<input type="radio"/> filter well water <input type="radio"/> other:			
		Do you treat drinking water? <i>Report -> 2.12. Water</i>			
		<input type="radio"/> filter well water <input type="radio"/> other <input type="radio"/> No treatment needed <input type="radio"/> No treatment possible (why):			
7	Materials / Structure <i>(If there are several constructions, only for the main construction)</i> <i>Report -> 3.10. Description of existing housing designs</i>	Family latrine (only for the family living in the house) <i>Report -> 2.13. Sanitation</i>	<input type="radio"/> Yes <input type="radio"/> No	Shower (only for the family living in the house) <i>Report -> 2.13. Sanitation</i>	<input type="radio"/> Yes <input type="radio"/> No
		Foundations	Base course – plinth <i>(lower part of the walls)</i>		
		<input type="radio"/> No foundation <input type="radio"/> Stone masonry <input type="radio"/> Concrete masonry <input type="radio"/> Compacted earth masonry <input type="radio"/> Stilts /stumps <input type="radio"/> Other (explain)	<input type="radio"/> None <i>(the wall has the same material from the lower part to the upper part)</i> <input type="radio"/> Stone masonry <input type="radio"/> Concrete masonry <input type="radio"/> Earth masonry (adobe) <input type="radio"/> Rammed earth <input type="radio"/> Stilts /stumps <input type="radio"/> Other (explain)		
		Structure / walls	Cladding / infill <i>(for wattle and daub buildings)</i>		
		<input type="radio"/> Timber <input type="radio"/> Bamboo <input type="radio"/> Stone masonry <input type="radio"/> Earth masonry (adobe) <input type="radio"/> Rammed earth <input type="radio"/> Burnt bricks <input type="radio"/> Concrete <input type="radio"/> Cement blocks <input type="radio"/> Other (explain) Structure of the veranda (if any):	<input type="radio"/> Stone <input type="radio"/> Earth <input type="radio"/> Timber <input type="radio"/> Cement blocks <input type="radio"/> Other (explain)		
		Framework	Roofing		
		<input type="radio"/> Timber <input type="radio"/> Bamboo <input type="radio"/> Metal <input type="radio"/> Concrete <input type="radio"/> Other (explain)	<input type="radio"/> Straw / thatch roofing (specify material/style) <input type="radio"/> Sheet metal (specify type/thickness) <input type="radio"/> Tiles <input type="radio"/> Other (explain)		
		Bracing According to the type of structure (particularly for timber construction), does the house have bracing in the walls? How? On what sides? Does it have bracing in the roof framework?			
		Windows/doors	Finishing		
		<input type="radio"/> Number of windows: <input type="radio"/> Number of doors: <input type="radio"/> Material used for windows	<input type="radio"/> Interior walls (what type: materials, infill, painting):		

		<ul style="list-style-type: none"> ○ Material used for doors ○ Lintels (<i>wood, bamboo, bricks...</i>): 	<ul style="list-style-type: none"> ○ Exterior walls (what type: materials, infill, painting): ○ Floors (interior and veranda): ○ Other (explain)
8	Other information		

Drawing of the compound / building or house with neighbouring houses and streets / roads / pathways (Sketch of the plot and compliment with a photo taken by a phone).

Draw the positioning of the house on the plot or of the building in the street, the path or street that gives access to the house/houses, and indicate the front of the house with an arrow.

Draw an arrow pointing north with an N beside it.

Draw the other buildings on the plot in relation to the house (kitchen, latrine, other rooms, etc.), large trees, fences, buildings for animals, granaries... Or draw the surrounding buildings and public areas in urban contexts

Write any other information which seems interesting or relevant.

Drawing of the plan of the house (most important construction in case of a compound)

General dimensions, number of posts, distance between the posts, interior spaces, terrace

Drawing of the house (most important construction in case of a compound) / building in section / cutaway

Draw the house in cross section, showing height under ridge pole, height under ceiling, height of walls, difference in height from ground

Drawing of the front of the house (most important construction in case of a compound) / building

Draw the house from the front, height of the roof to ridge pole, height of the roof at gutter level to the ground, distance from the ground to the finished floor level.
