

Appendix

Table A-1. Necessary survey questions to calculate proposed indicators

Indicator / sub-indicator	Question(s)
<i>Socioeconomic dimension</i>	
Poverty (POV) / Basic-needs satisfaction (POVI)	<p>Inadequate housing:</p> <ul style="list-style-type: none"> - Main wall fabric - Main floor fabric <p>Inadequate sanitary services:</p> <ul style="list-style-type: none"> - Main source of household drinking-water - How is sewage disposed of in this house? <p>Economic dependence</p> <ul style="list-style-type: none"> - Number of working members in the household - Household size - Maximum education-level of household head <p>Children's school attendance</p> <ul style="list-style-type: none"> - Number of children, 6-12 years - Number of children 6-12 years attending school <p>Critical housing overcrowding</p> <ul style="list-style-type: none"> - Number of bedrooms - Household size
Poverty (POV) / Perception about poverty (POV2)	<p>Question: <i>Imagine a staircase with 10 steps in which all the families from this community are placed. The families with the best well-being are placed on the 10th step and the families with the worst well-being are placed on the first step. On which step do you think your family would be?</i></p>
Poverty (POV) / Material style of life (POV3)	<p>Question: <i>Does your household have any of the following items?</i> Options: power-generator, fridge, stove, stereo, radio, TV set, DVD player, blender, fan, sewing machine, bicycle, freezer, fishing nets, long line, fishing single lines, boat, outboard-motor.</p>
Infrastructure (INF)	<p>For small communities: From a key informant, question: <i>Does your community have any of the following?</i> Options: health center, hospital, elementary school, high school, roads, piped drinking water, sewage, electricity, solid waste collection, adequate solid waste disposal, natural gas.</p> <p>For larger or heterogeneous communities: From the survey: <i>Does your household have access to any of the following services?</i> Options: piped drinking water, sewage, electricity, solid waste collection, adequate solid waste disposal, natural gas. <i>Can your household reach (within a range of 30 min using the most usual transportation means) any of the following services?</i> Options: health center, hospital, elementary school, high school, roads.</p>
Occupational characteristics (OCC) / Mobility (OCMO)	<p>Number of household heads that voluntarily changed their main economic activity during the last five years (VWCH). Number of household heads that wanted to change their main economic activity (WCH).</p>
Occupational characteristics (OCC) / diversity (OCDI)	<p>Number of different economic activities performed within the household (EAHH) Number of members of the household engaged in economic activity</p>

(THHW)

Socio-political and institutional dimension

Structural social capital (SSC) / Community organization (SSC1)	Number of existing organizations in the community
Structural social capital (SSC) / Organizational density (SSC2)	Number of household members (above 15 years old) who belong to any community organization (HORT) Number of household members (above 15 years old) (MAH).
Structural social capital (SSC) / Networks and mutual support (SSC3)	- Question: <i>If there were a problem affecting the entire village, for instance a reduction in the amount of fish in the sea, who do you think would work together to deal with this situation?</i> - Possible answers: a) none, b) fishing organizations, c) all fishermen, d) local government, e) community council, f) Communal Board, g) all people from the community, h) religious organizations, i) others.
Structural social capital (SSC) / Expectations about networks and support (SSC4)	- Question: <i>If the school in this village went without a teacher for, say, six months or more, who do you think would meet to solve this problem?</i> - Possible answers: a) none, b) all parents, c) association of parents, d) religious organizations, e) other local community organizations, f) local government, g) community Council, h) Communal Board, i) all people from the community, j) others outside the community.
Structural social capital (SSC) / Collective action (SSC5)	- Question: <i>Last year, how often have you met with other members of this village to discuss resolving common problems?</i> - Possible answers: a) never, b) once, c) twice, d) more often.
Cognitive social capital (CSC) / Solidarity (CSC1)	- Question: <i>Suppose a family in the village were impacted by an extreme event, such as the household-head's death or illness. Who do you think they could turn to for help?</i> - Possible answers: a) family and relatives, b) neighbors, c) close friends, d) religious leader, e) community leader, f) political leader, g) the police, h) middlemen, i) a community organization to which the family belongs, j) other community organization, k) local government, l) Community Council, m) Communal Board, n) all people from the community.
Cognitive social capital (CSC) / Cooperation (CSC2)	- Question: <i>Suppose your friend faces these alternatives: a) Own a 10-hectare farm single-handedly or b) Own a 25-hectare farm jointly. Which would he prefer?</i> - Possible answers: a) To own and farm 10 hectares of land on his own, b) To own and farm 25 hectares of land jointly with another person.
Cognitive social capital (CSC) / Trust (CSC3)	- Question: <i>If you and your spouse leave the village for 2 days. Who would care for your children?</i> - Possible answers: a) extended family, b) a neighbor, c) a friend, d) any person from the community, e) other, f) none, g) do not have children.
Perception about MPA (PAP)	Question: <i>On a scale from 0 to 10, where 10 means the most positive, please grade:</i> - The relevance of the close MPA for your household wellbeing (PAP1)

- The relevance of the close MPA for your community wellbeing (PAP2)

Socio-ecological dimension

Dependence on the use of natural resources (RUD) Number of members in the community whose main economic activity is related to the use or extraction of natural resources (NRRW)
 Total number of members of the community engaged in any economic activity (TW)

- Awareness about ecological processes and functions (AEP)
- Do you think that the availability of fish in the sea has diminished in the last ten years?
 - What do you think is the main reason behind that reduction?
 - Who do you think is responsible for this reduction?
 - What do you think could be done to recover the amount of fish in the sea?

Ability to anticipate disturbances (AAD) Question: *Suppose climate-change raises sea-surface temperature, with impact on regional fishing for one year and, as a consequence, three out of four fishermen have no harvest. Under such situation:*

- *Which main activity would you engage in to ensure family food?*
- *Which main activity would you engage in to satisfy other family needs?*

Answers are classified in categories and generate a score:

- Continue fishing, do nothing or migrate out the community
- Move to an activity based on natural resources extraction
- Move to agricultural activities
- Move to commercial, manufacturing or service-related activities (including activities related with non-consumptive and sustainable use of natural resources).