

## Appendix

**Table A.1. Comparisons of socio-demographic characteristics between urban and rural dwellers.**

Socio-demographic characteristics			Urbanization level	
Variable	Description	Category	Urban	Rural
<b>Gender</b>	Recorded as male or female.	Female	49	53
		Male	51	47
<b>Age</b>	Recorded in years. Divided into 9 categories for analyses (18-24; 25-29; 30-34; 35-39; 40-44; 45-49; 50-54; 55-59; 60+)	Mean	36.4	44.1
		SD	12.1	15.2
<b>Education level</b>	What level of school respondents had completed: 1) None to elementary; 2) junior secondary and professional, e.g., carpentry; 3) senior secondary; and 4) tertiary.	1	26%	50%
		2	17%	24%
		3	32%	12%
		4	25%	14%
<b>Time in community</b>	Number of years living in the community divided by the person's age.	Mean	14.0	34.3
		SD	11.9	20.0
<b>Material wealth (Material style of life)</b>	PCA loading for one factor based grouping scores of presence of more modern types of amenities (Table A.2).	Mean	0.73	-0.73
		SD	0.83	0.49

**Table A.2. Material Style of Life Principle Component Analysis (PCA) factor loading.**

<b>Variable</b>	<b>Factor loading</b>
Water source	0.48
Toilet facility	0.75
Electricity access	0.84
Cooking facility	0.69
Lighting source	0.86
Roof materials	0.60
Refrigerator	0.67
Radio	0.18
Television	0.78
Mobile phone	0.47
Computer	0.66
Mean of transportation	0.33

**Table A.3. Description of the ecosystem services used in this study and correspondence with CICES (Haines-Young and Potschin, 2018).**

<b>Ecosystem service</b>	<b>Corresponding CICES names at the class level</b>	<b>Description given to interview participants</b>
<b>Provisioning services</b>		
Food	(1) Cultivated terrestrial plants (including fungi, algae), (2) plants cultivated by in- situ aquaculture, (3) animals reared, (4) animals reared by in-situ aquaculture, (5) wild plants (terrestrial and aquatic, including fungi, algae), and (6) wild animals (terrestrial and aquatic) used for nutritional purposes.	Food from plants and animals (including fish) that are grown/reared or harvested in nature.
Materials	(1) Fibres and other materials from cultivated plants, fungi, algae and bacteria, (2) fibres and other materials from wild plants for direct use or processing.	Materials from plants and animals, e.g. building materials and medicine that are grown or harvested in nature.
Firewood	(1) Cultivated plants (including fungi, algae), (2) wild plants (terrestrial and aquatic, including fungi, algae) used as a source of energy.	Fuel from plants for cooking or lighting that are grown or harvested in nature.
<b>Regulating services</b>		
Clean air	Filtration/sequestration/storage/accumulation by micro-organisms, algae, plants, and animals	Plants that clean the air, e.g. by removing dusts and pollutants.
Clean water	Filtration/sequestration/storage/accumulation by micro-organisms, algae, plants, and animals	Plants and animals that clean the water (filtrate wastes).
Soil protection	Control of erosion rates	Plants and animals that prevent soil erosion (e.g., plant roots that stabilise the soil) and protect the coast (e.g., by reducing waves).
<b>Cultural services</b>		
Recreation	(1) Characteristics of living systems that that enable activities promoting health, recuperation or enjoyment through active or immersive interactions, or (2) through passive or observational interactions.	Places for activities or to relax and have an enjoyable time (e.g., activities to come together, swimming, walking).

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Culture	(1) Characteristics of living systems that are resonant in terms of culture or heritage, (2) elements of living systems that have symbolic meaning, or (3) sacred or religious meaning	Culture, heritage and traditional knowledge associated with nature including stories, tambu plants and animals.
Stewardship	(1) Characteristics or features of living systems that have an existence value, or (2) have an option or bequest value.	Protect or conserve plants, animals and nature for their own value or for future generations.

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HAINES-YOUNG, R. & POTSCHIN, M. B. 2018. Common International Classification of Ecosystem Services (CICES) V5.1 and Guidance on the Application of the Revised Structure. *Available from [www.cices.eu](http://www.cices.eu).*