

Ecosystem Service	Soil quality by weathering processes
CICES class name	Weathering processes and their effect on soil quality
CICES Section	Regulation & Maintenance (Biotic)
CICES Class code	2.2.4.1

Sample Indicators

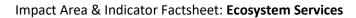
Indicator values from				
Experiment or direct measurement	\$	Survey	1111	
Expert assessment	<u>.</u>	Statistical- or census data		
Model or GIS	Ţ	Literature values		
Stakeholder participation	#	Not provided	\Diamond	

Table 1: Regional Scale

Indicator	Unit	Indicator values from
[1] Net annual prevention of soil erosion through soil formation	t * ha ⁻¹ * yr ⁻¹	
[2] Soil formation and erosion prevention: expert based index for ecosystem service provision by land cover class [1-5], multiplied by the area of the land cover class	km²	
[2] Soil formation and erosion prevention value: expert based index for ecosystem service provision by land cover class [1-5], multiplied by the area of the land cover class and a literature-based monetary value of the ecosystem service	\$ * yr ⁻¹	

Table 2: National Scale

Indicator	Unit	Indicator values from
[3] Share of organic farming	%	<u>á</u>
[3] Soil organic matter content	%	<u>á</u>
[3] pH of topsoil	-	<u>á</u>
[3] Cation exchange capacity	cmol(+) * kg ⁻¹	<u>á</u>





References

No.	Citation
1	Adhikari S, Baral H, Nitschke CR (2018) Identification, Prioritization and Mapping of
	Ecosystem Services in the Panchase Mountain Ecological Region of Western Nepal. Forests
	9(9): 554. DOI: 10.3390/f9090554
2	Huq N, Bruns A, Ribbe L (2019) Interactions between freshwater ecosystem services and land
	cover changes in southern Bangladesh: A perspective from short-term (seasonal) and long-
	term (1973-2014) scale. Science of the Total Environment 650: 132-143. DOI:
	10.1016/j.scitotenv.2018.08.430