

Appendix 3. Coding scheme

Category	Subcategory	Description	Variables
Paper ID			
Cluster Number			
Paper characteristics	Author		
	Title		
	Publication Year		
	Journal		
	Citation (complete)		
	Citation/Year		
	Continent of first authors' affiliation	In which continent lies the first authors affiliation?	Africa, Asia, Europe, North America, Oceania, South America
Country of first authors' affiliation	In which country lies the first authors affiliation?	own words, e.g. Norway, Sweden, etc., multiple entries possible and separated with "/"	
Methodological approach	Data collection	How was the data assessed?	qualitative, quantitative, mixed, na
	Data collection: specific methods	Which method was used to collect data?	own words, e.g. interview, questionnaire, observation, etc., if not clear na
	Data analysis	How was the data assessed?	qualitative, quantitative, mixed, na
	Data analysis: specific methods	Which method was used to analyse data?	own words, e.g. statistical analysis, content analysis, GIS, etc., na
Location	Continent of case study	In which continent is the observed case study located?	Africa, Asia, Europe, North America, Oceania, South America
	Country of case study	In which country is the observed case study located?	own words, e.g. Norway, Sweden, etc., multiple entries possible and separated with "/"
	Specific location, region of case study	In which region is the case study located?	own words, e.g. Lappland, Amazonas, also cities, etc., multiple entries possible. Separate specific location and region with "," and different locations with "/"

Stakeholder in focus	Kind of group	Which kind of group is observed or worked with in the case study?	local, indigenous, local and indigenous, na	
	Name of community	Which explicit community is observed or worked with in the case study?	own words, e.g. Sami, Inuit, etc., multiple entries possible, if no community name mentioned na. Separate different communities with "/" and put further description of community in "(...)".	
	Explicit stakeholder	Which explicit stakeholder group is worked with in the case study?	own words, e.g. fisher, hunter, households, community, etc., multiple entries possible	
Transformation/ Transition/ Change	Use of words in the paper	Which terms are used in the paper?	transformation, transition, change; multiple entries possible. If there is a strong focus on only one of the words, put the number of mention of the other not focused words in "(...)"	
	Application	In which context is the term used?	own words: e.g. social-ecological transformation, environmental change, etc.	
	Category	Which category describes the context of the term 'change'?	environmental, climate, social-ecological, species	
	Definition	Is there a definition of transformation/ transition/ change mentioned?		0 (no), 1 (yes)
		Which definition is mentioned?		quote of the definition, if not mentioned na
	Reference	Is the definition connected to a specific reference?		0 (no), 1 (yes)
		Which reference is used?		complete reference, multiple entries possible, if not mentioned na
ILK	Use of words in paper	Which terms are used in the paper?	indigenous, traditional, local (environmental/ ecological) knowledge, multiple entries possible	
	Definition	Is there a definition of ILK mentioned?	0 (no), 1 (yes)	
		Which definition is mentioned?		quote of the definition, if not mentioned na
Reference	Is the definition connected to a specific reference?		0 (no), 1 (yes)	

		Which reference is used?	complete reference, multiple entries possible, if not mentioned na
Connection of ILK and transformation/ transition/ change		How is ILK used in context of transformation/ transition/ change?	own words, e.g. interpretation of environmental change, adaptation, etc.
Scaling of ILK	Spatial scale	Is ILK used only on a local scale or on higher scales?	local, sub-national, national, supra-national, continental
	Multi-scale approach	Is there e.g. more than one case study in the paper which demonstrates a regional understanding?	0 (no), 1 (yes)
	ILK to global sustainability (Balvanera et al. 2017)	Are there insights from place-based ILK research mentioned to inform global sustainability?	0 (no), 1 (yes)
		If yes, put quote.	quote from the text
	Scaling of an ILK-initiative (Lam et al. Unpublished)	Does the paper mention an impact of sustainability initiatives and a scaling process of the initiative?	0 (no), 1 (yes)
	Scaling process	How does the scaling process into another context look like?	stabilizing, speeding up, growing, replicating, transferring, spreading, scaling up, scaling deep