

SUPPORTING INFORMATION

Text S1. Complete search strategy used for the systematic review.

Portal: Web of Science (WoS)

Search date: 2024-05-10

Query:

(TI=(biodivers* OR ecosystem* OR "human-nature" OR "nature-human") OR AB=(biodivers* OR ecosystem* OR "human-nature" OR "nature-human"))

AND

(TI=(govern* OR social OR "human wellbeing" OR "human well-being" OR polic* OR harvest OR people OR bycatch* OR fisheri* OR indigen* OR local) OR AB=(govern* OR social OR "human wellbeing" OR "human well-being" OR socioecologic* OR polic* OR harvest OR people OR bycatch* OR fisheri* OR indigen* OR local))

AND

(TI=(trend* asses* OR monitor* OR measur* OR scenario* OR target* OR framework) OR AB=(trend* asses* OR monitor* OR measur* OR scenario* OR target* OR framework))

AND

(TI=(indicator* OR index) OR AB=(indicator* OR index))

AND

(TI="decision making" OR AB="decision making")

AND LD=(1900-01-01/2024-05-10)

NOT TS=("medical health" OR "clinical trial" OR "medicine" OR "epidemic" OR "disease" OR "therapy" OR "water quality" OR "air pollution" OR "urban air quality" OR "wind energy" OR "solar energy" OR "renewable energy" OR "groundwater")

AND DT=("ARTICLE")

Portal: Scopus (Scopus)

Search date: 12 March 2025

Query:

(TITLE-ABS ((biodiversity OR ecosystem* OR "human-nature" OR "nature-human" OR habitat*))) AND (TITLE-ABS ((govern* OR social OR "human wellbeing" OR "human well-being" OR polic* OR harvest OR people OR bycatch* OR fisheri* OR indigen* OR local))) AND (TITLE-ABS ((trend* OR asses* OR monitor* OR measur* OR scenario* OR target* OR framework))) AND (TITLE-ABS ((indicator* OR index))) AND (TITLE-ABS ("decision making")) AND LOAD-DATE < 20240410 AND NOT TITLE-ABS-KEY ("medical health" OR "clinical trial" OR "medicine" OR "epidemic" OR "disease" OR "therapy" OR "water quality" OR "air pollution" OR "urban air quality" OR "wind energy" OR "solar energy" OR "renewable energy" OR "groundwater") AND (LIMIT-TO (DOCTYPE , "ar"))

Table S1. List of identified words and their count

Complete				Stem			
ID	words	n	word	n	ID	words	n
1	index	8	index	8	34	ensuring	1
2	governance	4	harvest	5	35	established	1
4	proportion	4	govern	4	36	fisheries	1
						impleme	
5	red	4	list	4	37	habitat	1
6	species	4	proport	4	38	harvesting	1

						knowled	
7	trends	4	red	4	39	iccas	1 g 1
8	fish	3	speci	4	40	impacts	1 limit 1
9	sustainable	3	trend	4	41	implementing	1 local 1
10	assessment	2	fish	3	42	indigenous	1 oecm 1
11	biological	2	sustain	3	28	bycatch	1 ca 1
12	biologically	2	assess	2	43	knowledge	1 oper 1
			communi				percenta
13	equity	2	ti	2	44	limits	1 g 1
14	harvest	2	equiti	2	45	local	1 petrel 1
15	harvested	2	level	2	46	oecms	1 pollin 1
16	levels	2	live	2	47	operations	1 practic 1
17	living	2	lpi	2	48	percentage	1 proclaim 1
3	list	4	biolog	4	49	petrels	1 recogn 1
18	lpi	2	measur	2	50	pollinating	1 reef 1
19	measures	2	pa	2			
20	pa	2	planet	2			
21	planet	2	resourc	2			
22	resources	2	sage	2			
23	sage	2	social	2			
24	social	2	stock	2			
25	stocks	2	activ	1			
26	actively	1	albatross	1			

27	albatrosses	1	bycatch	1
29	ca	1	cas	1
30	cas	1	effect	1
	communitie			
31	s	1	ensur	1
32	community	1	establish	1
33	effective	1	fisheri	1



Figure S1. Cloud word with the most common words used in the indicators.

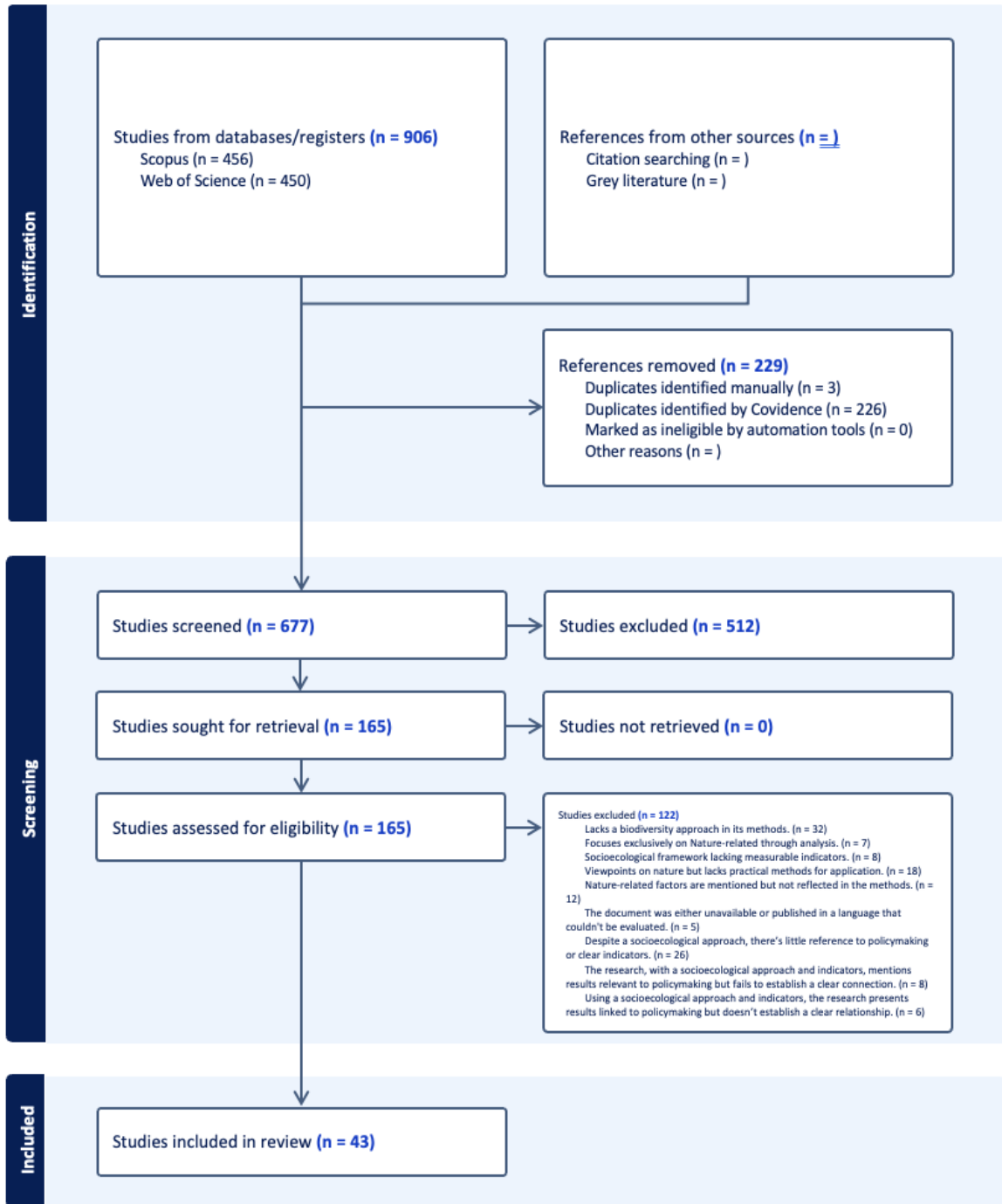


Figure S2. PRISMA 2020 flow diagram of the screening and selection process generated using Covidence.

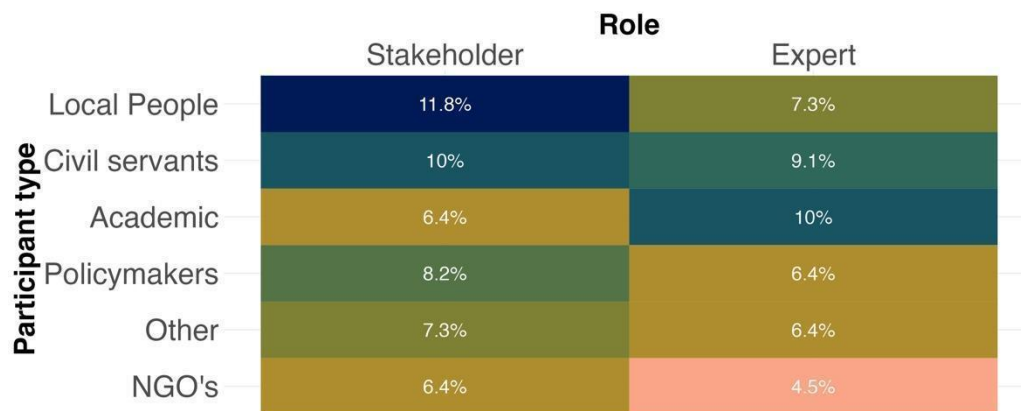


Figure S3. Comparisons between participation type and their role. We split the data between northern and southern countries to compare the role of participants in the decision-making processes.