1 Supplementary information

 Table S1. Search terms used in this study to obtain peer-reviewed literature from Scopus, Web of Science and Pubmed including multi-hazard/risk (Level 1 search terms) and indicators (Level 2 search terms).

Leve	Level 1: Multi-hazard/risk		Level 2: Indicators	
1	multi-hazard*	1	indicator*	
2	multihazard*	2	index*	
3	multi hazard*	3	indices	
4	multi-risk*	4	metric*	
5	multirisk*	5	disaster risk indicator*	
6	multi risk*			
7	compound* hazard*			
8	compound* event*			
9	compound* risk*			
10	interacting hazard*			
11	interacting event*			
12	interacting risk*			
13	cascading hazard*			
14	cascading event*			
15	cascading risk*			
16	interconnected hazard*			
17	interconnected event*			
18	interconnected risk*			
19	interrelated hazard*			
20	interrelated event*			
21	interrelated risk*			
22	multiple hazard*			

Table S2. Search strings used in Scopus, Web of Science and PubMed.

Scopus	Web of Science	PubMed
TITLE-ABS-KEY-AUTH	(TI=("multi-hazard*" OR	("multi-
("multi-hazard*" OR	"multihazard*" OR "multi	hazard*"[Title/Abstract] OR
"multihazard*" OR "multi	hazard*" OR "multi-risk*" OR	"multihazard*"[Title/Abstract]
hazard*" OR "multi-risk*" OR	"multirisk*" OR "multi risk*"	OR "multi
"multirisk*" OR "multi risk*"	OR "compound* hazard*" OR	hazard*"[Title/Abstract] OR
OR "compound* hazard*" OR	"compound* event*" OR	"multi-risk*"[Title/Abstract]
"compound" event" OR	"compound* risk*" OR	OR
"compound* risk*" OR	"interacting hazard*" OR	"multirisk*"[Title/Abstract]
"interacting hazard*" OR	"interacting event*" OR	OR "multi
"interacting event*" OR	"interacting risk" OR	risk*"[Title/Abstract] OR
"interacting risk" OR	"cascading hazard*" OR	"compound*
"cascading hazard*" OR	"cascading event*" OR	hazard*"[Title/Abstract] OR
"cascading event*" OR	"cascading risk*" OR	"compound*
"cascading risk*" OR	"interconnected hazard*" OR	event*"[Title/Abstract] OR
"interconnected hazard*" OR	"interconnected event*" OR	"compound*
"interconnected event*" OR	"interconnected risk*" OR	risk*"[Title/Abstract] OR
"interconnected risk*" OR	"interrelated hazard*" OR "	"interacting
"interrelated hazard*" OR "	interrelated event*" OR	hazard*"[Title/Abstract] OR
interrelated event*" OR	"interrelated risk*" OR	"interacting
"interrelated risk*" OR	"multiple hazard*") OR	event*"[Title/Abstract] OR
"multiple hazard*") AND	AB=("multi-hazard*" OR	"interacting risk"
TITLE-ABS-KEY-	"multihazard*" OR "multi	[Title/Abstract] OR "cascading
AUTH("indicator*" OR	hazard*" OR "multi-risk*" OR	hazard*"[Title/Abstract] OR
"index*" OR "indices" OR	"multirisk*" OR "multi risk*"	"cascading
"metric*" OR "disaster risk	OR "compound* hazard*" OR	event*"[Title/Abstract] OR
indicator*")	"compound* event*" OR	"cascading
Results = 769	"compound* risk*" OR	risk*"[Title/Abstract] OR
Date Range is 2015 – present	"interacting hazard*" OR	"interconnected
(day of search $3/11/2023$) =	"interacting event*" OR	hazard*"[Title/Abstract] OR
621	"interacting risk" OR	"interconnected
English = 597	"cascading hazard*" OR	event*"[Title/Abstract] OR
	"cascading event*" OR	"interconnected
	"cascading risk*" OR	risk*"[Title/Abstract] OR
	"interconnected hazard*" OR	"interrelated
	"interconnected event*" OR	hazard*"[Title/Abstract] OR "
	"interconnected risk*" OR	interrelated
	"interrelated hazard*" OR "	event*"[Title/Abstract] OR

	OR				
"interrelated risk*"	OR				
"multiple hazard*")	OR				
AK=("multi-hazard*"	OR				
"multihazard*" OR "m	ulti				
hazard*" OR "multi-risk*"	OR				
"multirisk*" OR "multi ris	k*"				
OR "compound* hazard*"	OR				
"compound" event"	OR				
"compound" risk""	OR				
"interacting hazard*"	OR				
"interacting event*"	OR				
"interacting risk"	OR				
"cascading hazard*"	OR				
"cascading event*"	OR				
"cascading risk*"	OR				
"interconnected hazard*"	OR				
"interconnected event*"	OR				
"interconnected risk*"	OR				
"interrelated hazard*" OF	٠ "				
interrelated event*"	OR				
"interrelated risk*"	OR				
"multiple hazard*")) A	ND				
(TI=("indicator*" OR "index*"					
OR "indices" OR "metri	c*"				
OR "disaster risk indicator*")					
OR AB=("indicator*"	OR				
"index*" OR "indices"	OR				
"metric*" OR "disaster	risk				
indicator*")	OR				
AK=("indicator*"	OR				
"index*" OR "indices"	OR				
"metric*" OR "disaster	risk				
indicator*"))					
Results = 590					
Date Range is 2015 – present					
(day of search $3/11/2023$) =					
498					
English = 494					
Lugusu — 474					

"interrelated risk*"[Title/Abstract] OR "multiple hazard*"[Title/Abstract]) AND ("indicator*"[Title/Abstract] "index*"[Title/Abstract] OR OR "indices" [Title/Abstract] OR "metric*"[Title/Abstract] OR "disaster indicator*"[Title/Abstract]) Results = 109Date Range is 2015 - present (day of search 3/11/2023) = 84 English = 83Free Full Text = 49