

1 **Supplementary information**

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

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*		

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

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

	<p>interrelated event*" OR "interrelated risk*" OR "multiple hazard*") OR AK=("multi-hazard*" OR "multihazard*" OR "multi hazard*" OR "multi-risk*" OR "multirisk*" OR "multi risk*" 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*" OR "interrelated event*" OR "interrelated risk*" OR "multiple hazard*") AND (TI=("indicator*" OR "index*" OR "indices" OR "metric*" 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*"))</p> <p>Results = 590</p> <p>Date Range is 2015 – present (day of search 3/11/2023) = 498</p> <p>English = 494</p>	<p>"interrelated risk*" [Title/Abstract] OR "multiple hazard*" [Title/Abstract]) AND ("indicator*" [Title/Abstract] OR "index*" [Title/Abstract] OR "indices" [Title/Abstract] OR "metric*" [Title/Abstract] OR "disaster risk indicator*" [Title/Abstract])</p> <p>Results = 109</p> <p>Date Range is 2015 – present (day of search 3/11/2023) = 84</p> <p>English = 83</p> <p>Free Full Text = 49</p>
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