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Supplement of

Natural hazard fatalities in Switzerland from 1946 to 2015

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Supplementary Material

Table S1: The selected keywords for the newspaper search (translated from German). The keywords are combined with "OR". Three searches were conducted individually (A, B, C). Similar words (e.g. different verb forms or endings) were considered automatically by the search engine. Including "storm" in the search A would have given too many hits, therefore we had to combine it with the words "wind" or "thunderstorm" to reduce the amount of hits (B).

A		B		C	
German	Translation in English	German	Translation in English	German	Translation in English
(Unwetterschäden heftige Regen Gletscherabbruch Eislawine Hochwasser Überschwemmung Überflutung Erdrutsch Rutschung Erdlawine Schlammlawine Felssturz Steinschlag Bergsturz Unwetter) AND (tot Todesopfer "ums Leben" Tod Menschenleben ertrunken getötet Leiche verschüttet)	(damage caused by storm heavy rainfall glacial ice avalanche ice avalanche flood inundation landslide landslip mudslide mudflow rockfall rockslide storm) AND (dead casualty, fatality to perish death human life drown killed dead body buried)	Sturm AND ("Wind" Gewitter) AND (tot Todesopfer "ums Leben" Tod Menschenleben ertrunken getötet Leiche verschüttet)	storm AND ("wind" thunderstorm) AND (dead casualty, fatality to perish death human life to drown killed dead body buried)	(Blitz Blitzschlag Blitzschläge Blitzeinschlag Blitzeinschläge) AND (tot tödlich Todesfall erschlagen getötet "ums Leben" getroffen Todesopfer)	(Lightning Lightning stroke/ strike Lightning strokes/ strikes Lightning stroke/ strike Lightning strokes/ strikes) AND (dead deadly / fatal event of death struck dead killed to perish hit / struck casualty, fatality)

Table S2: Natural hazard fatalities in Switzerland (1946-2015) classified by age groups.

Process type	Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	Age unknown	Total
Flood	[deaths]	25	15	10	19	13	8	16	13	3	0	2	124
	[%]	20.2	12.1	8.1	15.3	10.5	6.5	12.9	10.5	2.4	0	1.6	100
Landslide	[deaths]	1	13	6	14	13	10	4	7	1	0	5	74
	[%]	1.4	17.6	8.1	18.9	17.6	13.5	5.4	9.5	1.4	0	6.8	100
Rockfall	[deaths]	4	13	11	11	8	14	15	1	1	0	7	85
	[%]	4.7	15.3	12.9	12.9	9.4	16.5	17.6	1.2	1.2	0	8.2	100
Windstorm	[deaths]	3	8	17	18	13	14	5	7	1	0	19	105
	[%]	2.9	7.6	16.2	17.1	12.4	13.3	4.8	6.7	1.0	0	18.1	100
Lightning	[deaths]	4	38	29	25	24	18	12	7	1	0	6	164
	[%]	2.4	23.2	17.7	15.2	14.6	11.0	7.3	4.3	0.6	0	3.7	100
Avalanche	[deaths]	39	48	74	68	66	44	18	11	2	1	7	378
	[%]	10.3	12.7	19.6	18.0	17.5	11.6	4.8	2.9	0.5	0.3	1.7	100
Other	[deaths]	1	2	25	22	14	3	2	1	0	0	23	93
	[%]	1.1	2.2	26.9	23.7	15.1	3.2	2.2	1.1	0	0	24.7	100
All processes	[deaths]	77	137	172	177	151	111	72	47	9	1	69	1023
	[%]	7.5	13.4	16.8	17.3	14.8	10.9	7.0	4.6	0.9	0.1	6.7	100
Male	[deaths]	51	99	144	144	115	83	53	34	6	1	46	776
	[%]	6.6	12.8	18.6	18.6	14.8	10.7	6.8	4.4	0.8	0.1	5.9	100
Female	[deaths]	26	38	28	33	36	28	19	12	3	0	19	242
	[%]	10.7	15.7	11.6	13.6	14.9	11.6	7.9	5.0	1.2	0	7.9	100

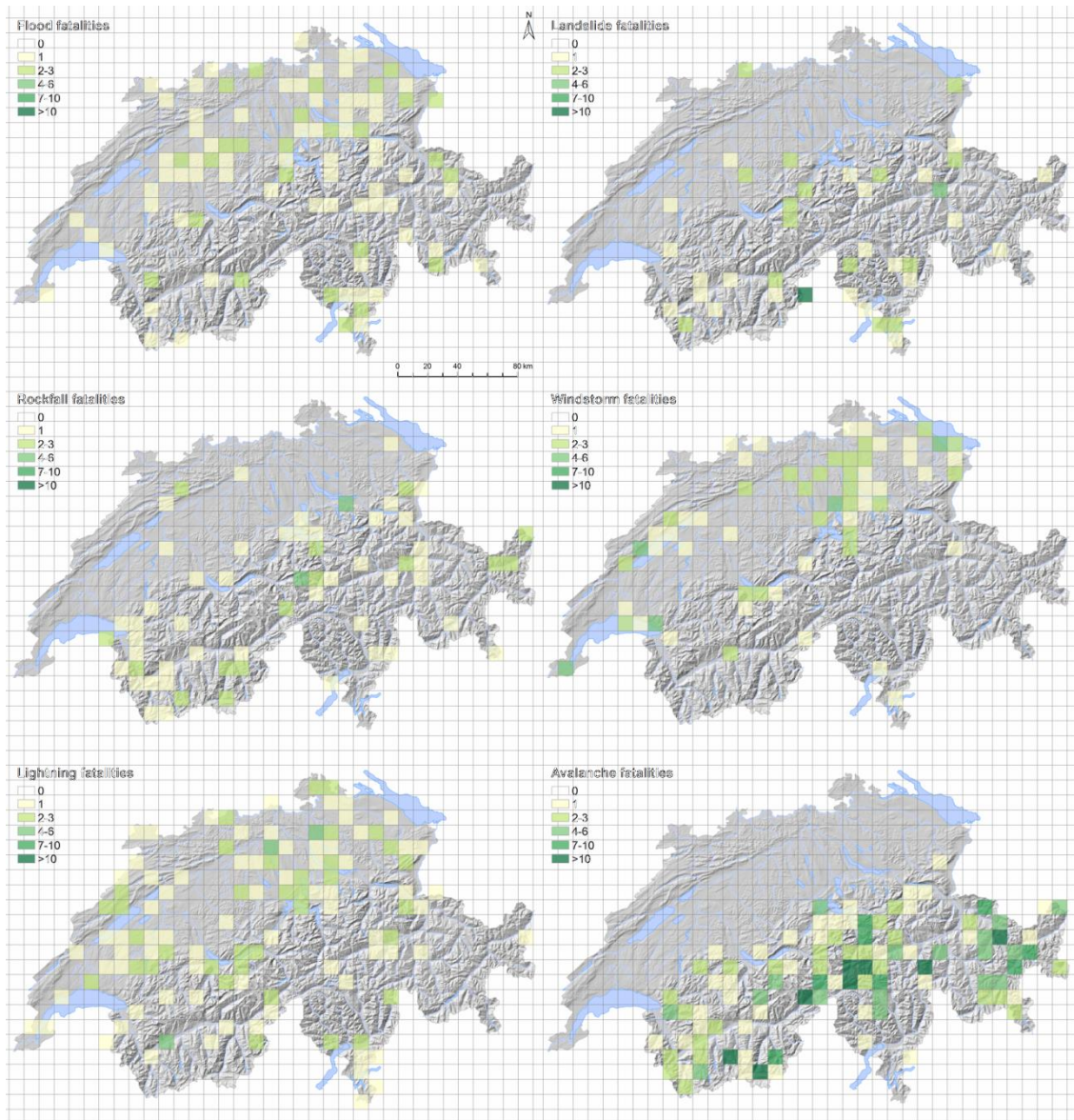


Figure S1: Spatial distribution of natural hazard fatalities according to the hazard types flood, landslide, rockfall, windstorm, lightning and avalanche (Table 1) using a 10x10 km raster grid (DHM source: dh25 © 2016 swisstopo (5704 000 000)). The applied grid cell colours are in accordance with the colours in Figure 9 (above).