

Supplementary Material for
“Persistent Scatterer Interferometry (PSI) Technique for the Identification and Monitoring of Critical Landslide areas in a Regional and Mountainous Road Network”

The pdf Supplementary Material for the manuscript includes:

Figures S1-S4

Tables S1-S4

FIGURES

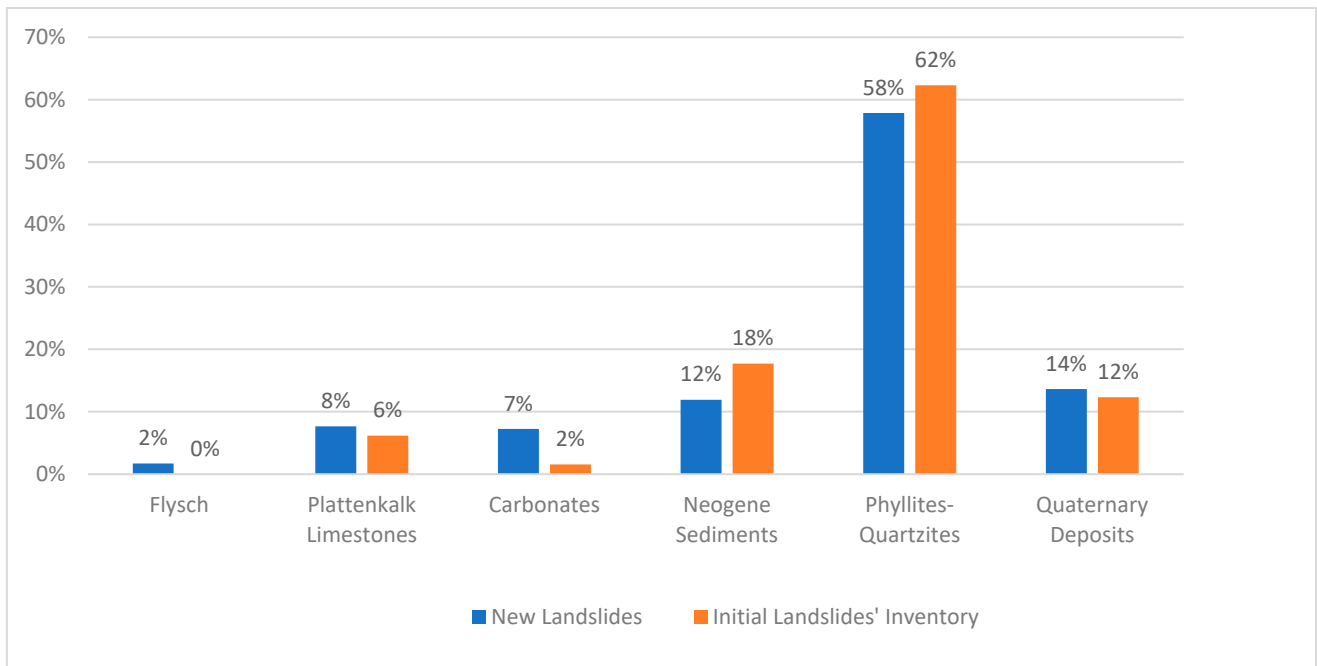


Figure S1. New Landslides and Initial Landslides' Inventory according to the Outcropping Geology.

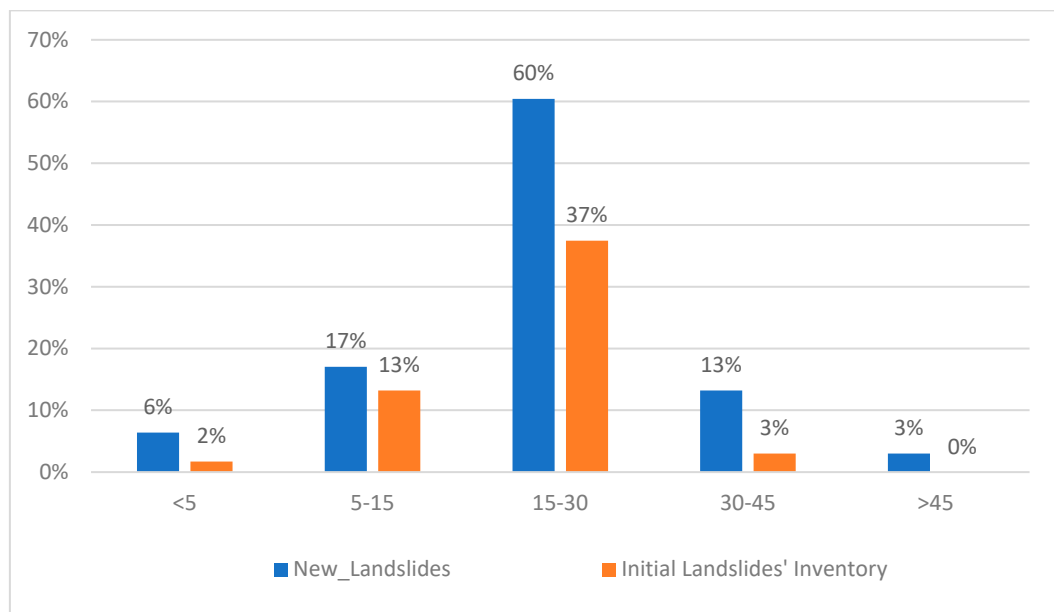


Figure S2. New Landslides and Initial Landslides' Inventory according to the Slope's Angle.

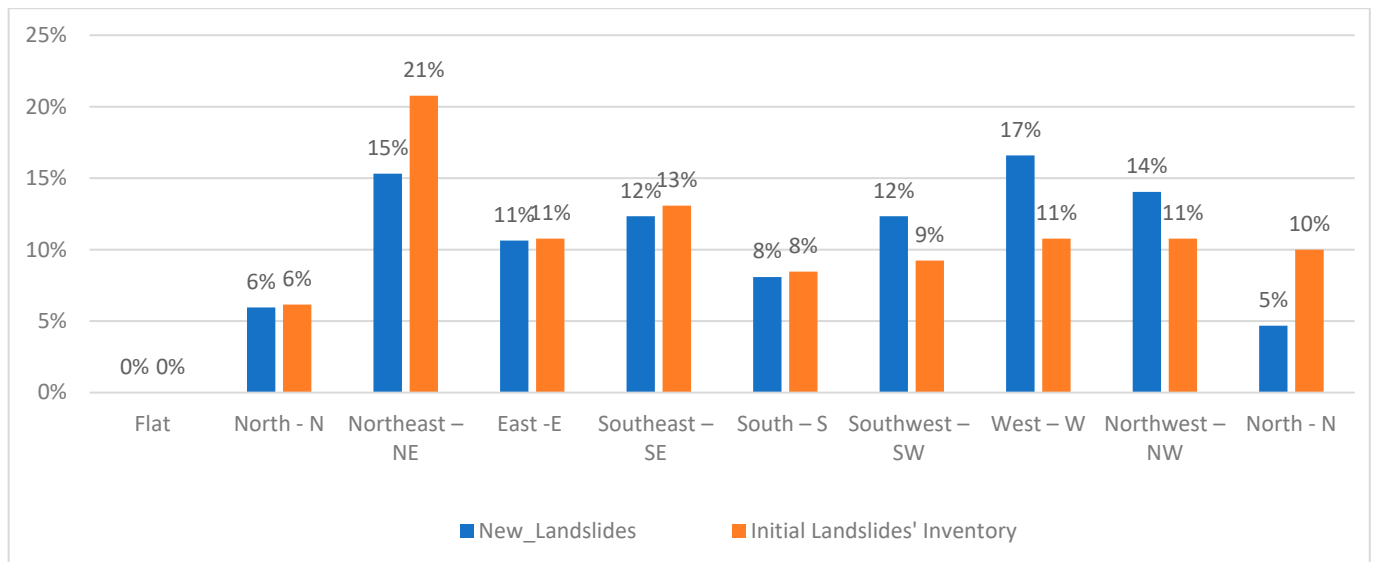


Figure S3. New Landslides and Initial Landslides' Inventory according to the Slope's Aspect.

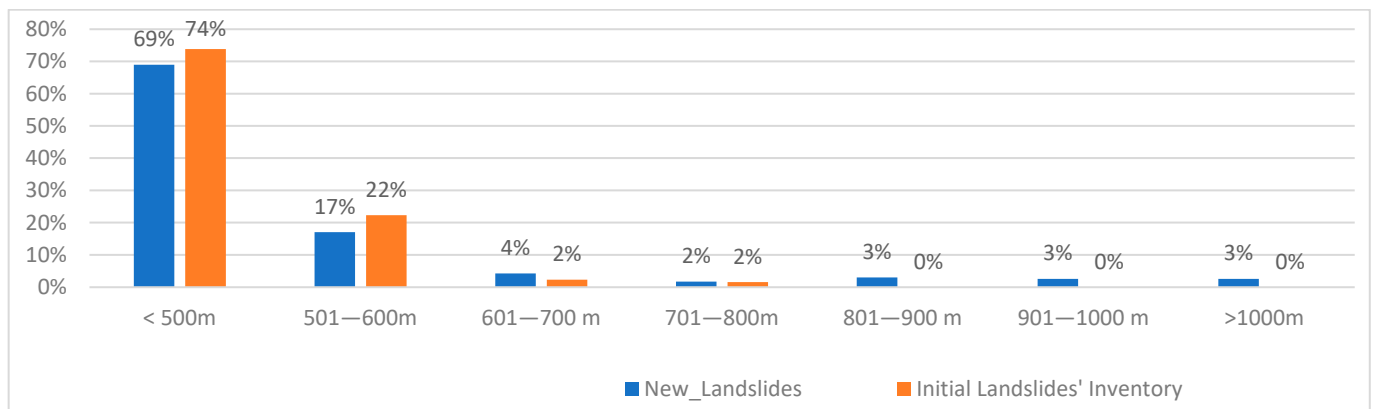


Figure S4. New Landslides and Initial Landslides' Inventory according to the Relative Relief.

TABLES

Table S1. New Landslides and Initial Landslides' Inventory according to the Outcropping Geology.

ID	GCode	Outcropping Geological Formation	Number of		Percentage of	
			New Landslides	Initial Landslides' Inventory	New Landslides	Initial Landslides' Inventory
1	fo, ft	Flysch	4	0	2%	0%
2	J-E	Plattenkalk Limestones	18	8	8%	6%
3	K-E, K.k, T.br	Carbonates	17	2	7%	2%
4	Mk , Mm.l	Neogene Sediments	28	23	12%	18%
5	Ph-T	Phyllites- Quartzites	136	81	58%	62%
6	Q.al	Quaternary Deposits	32	16	14%	12%

Table S2. New Landslides and Initial Landslides' Inventory according to the Slope's Angle.

ID	Slope's Angle	Number of		Percentage of	
		New Landslides	Initial Landslides' Inventory	New Landslides	Initial Landslides' Inventory
1	<5°	15	4	6%	3%
2	5°-15°	40	31	17%	23%
3	15°-30°	142	88	60%	69%
4	30°-45°	31	7	13%	5%
5	>45°	7	0	3%	0%

Table S3. New Landslides and Initial Landslides' Inventory according to the Slope's Aspect.

ID	Slope's Aspect	Number of		Percentage of	
		New Landslides	Initial Landslides' Inventory	New Landslides	Initial Landslides' Inventory
1	North - N (0° – 22.5°)	0	0	0%	0%
2	Northeast – NE (22.5° – 67.5°)	14	8	6%	6%
3	East -E (67.5° – 112.5°)	36	27	15%	21%
4	Southeast – SE (112.5° – 157.5°)	25	14	11%	11%
5	South – S (157.5° – 202.5°)	29	17	12%	13%
6	Southwest – SW (202.5° – 247.5°)	19	11	8%	8%
7	West – W (247.5° – 292.5°)	29	12	12%	9%
8	Northwest – NW (292.5° – 337.5°)	39	14	17%	11%
9	North - N (337.5° – 360°)	33	14	14%	11%
10	North - N (337.5 – 360)	11	13	5%	10%

Table S4. New Landslides and Initial Landslides' Inventory according to the Relative Relief.

ID	Relative Relief (m)	Number of		Percentage of	
		New Landslides	Initial Landslides' Inventory	New Landslides	Initial Landslides' Inventory
1	< 500m	162	96	69%	74%
2	501 – 600m	40	29	17%	22%
3	601 – 700 m	10	3	4%	2%
4	701 – 800m	4	2	2%	2%
5	801 – 900 m	7	0	3%	0%
6	901 – 1000 m	6	0	3%	0%
7	>1000m	6	0	3%	0%