Modelling physical accessibility to public green spaces in Switzerland to support the SDG11

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Supplementary Material

Table S1: Reclassification of the existing CORINE landcover categories.

Code	CORINE landcover Class	New code	Reclassification
111	Continuous urban fabric	1	Urban area
112	Discontinuous urban fabric		
121	Industrial or commercial units		
122	Road and rail networks and associated land		
123	Port areas		
124	Airports		
131	Mineral extraction sites		
133	Construction sites		
141	Green urban areas		
142	Sport and leisure facilities		
211	Non irrigated arable land	2	Agricultural land
221	Vineyards		
222	Fruit trees and berry plantations		
231	Pastures		
242	Complex cultivation patterns		
243	Land principally occupied by agriculture with significant areas of natural vegetation		
311	Broadleaved forest	3	Natural area
312	Coniferous forest		
313	Mixed forest		
321	Natural grassland		
322	Moors and heathland		
324	Transitional woodland shrub		
331	Beaches, dunes, sands		
332	Bare rocks		
333	Sparsely vegetated areas		
335	Glaciers and perpetual snow		
411	Inlands marshes	4	Wetlands
511	Water courses	5	Water area
512	Water bodies		

Table S2: Percentage of population that have access to UGS within a maximum travel time, using AccessMod on with the UGS centroids, and ignoring the influence of the DEM (isotropic mode).

[%] Pop. Covered in	*5'*	*10'*	*15'*		*5'*	*10'*	*15'*
ZH	33.63	60.55	76.72	***SH***	41.66	62.11	73.11
BE	31.73	58.91	74.45	***AR***	21.79	41.50	63.45
LU	26.23	48.79	66.86	***AI***	15.72	42.16	53.12
UR	44.73	58.26	63.85	***SG***	32.06	58.92	73.36
SZ	20.59	48.61	65.94	***GR***	19.14	36.18	51.17
OW	4.06	8.60	12.61	***AG***	22.60	51.52	72.52
NW	20.36	43.96	63.43	***TG***	30.17	62.68	83.56
GL	21.27	41.85	55.91	***TI***	49.12	74.19	83.24
ZG	28.82	67.05	81.32	***VD***	47.70	75.42	89.02
FR	25.85	49.08	67.64	***VS***	32.38	57.60	68.77
SO	23.64	57.24	78.02	***NE***	2.28	6.40	11.75
BS	78.26	93.47	98.07	***GE***	91.91	98.16	99.30
BL	44.79	73.84	86.89	***JU***	27.38	47.90	66.89

Table S3: Percentage of population that have access to UGS within a maximum travel time, using ArcGIS cost-distance analysis in isotropic mode.

[%] Pop. Covered in	*5'*	*10'*	*15'*		*5'*	*10'*	*15'*
ZH	33.61	60.54	76.71	***SH***	41.47	62.01	72.93
BE	31.64	58.79	74.32	***AR***	21.76	41.50	63.45
LU	26.21	48.73	66.68	***AI***	15.72	42.16	53.12
UR	44.67	58.02	63.83	***SG***	31.97	58.86	73.29
SZ	20.48	48.44	65.71	***GR***	18.98	36.04	50.86
OW	4.06	8.58	12.59	***AG***	22.55	51.34	72.38
NW	20.36	43.96	63.43	***TG***	30.12	62.57	83.47
GL	21.17	41.69	55.64	***TI***	49.03	74.07	83.10
ZG	28.82	66.99	81.30	***VD***	47.58	75.38	88.99
FR	25.73	48.90	67.46	***VS***	32.21	57.42	68.69
SO	23.55	57.04	77.91	***NE***	2.28	6.15	11.53
BS	78.25	93.47	98.07	***GE***	91.90	98.16	99.30
BL	44.75	73.77	86.85	***JU***	27.38	47.79	66.75

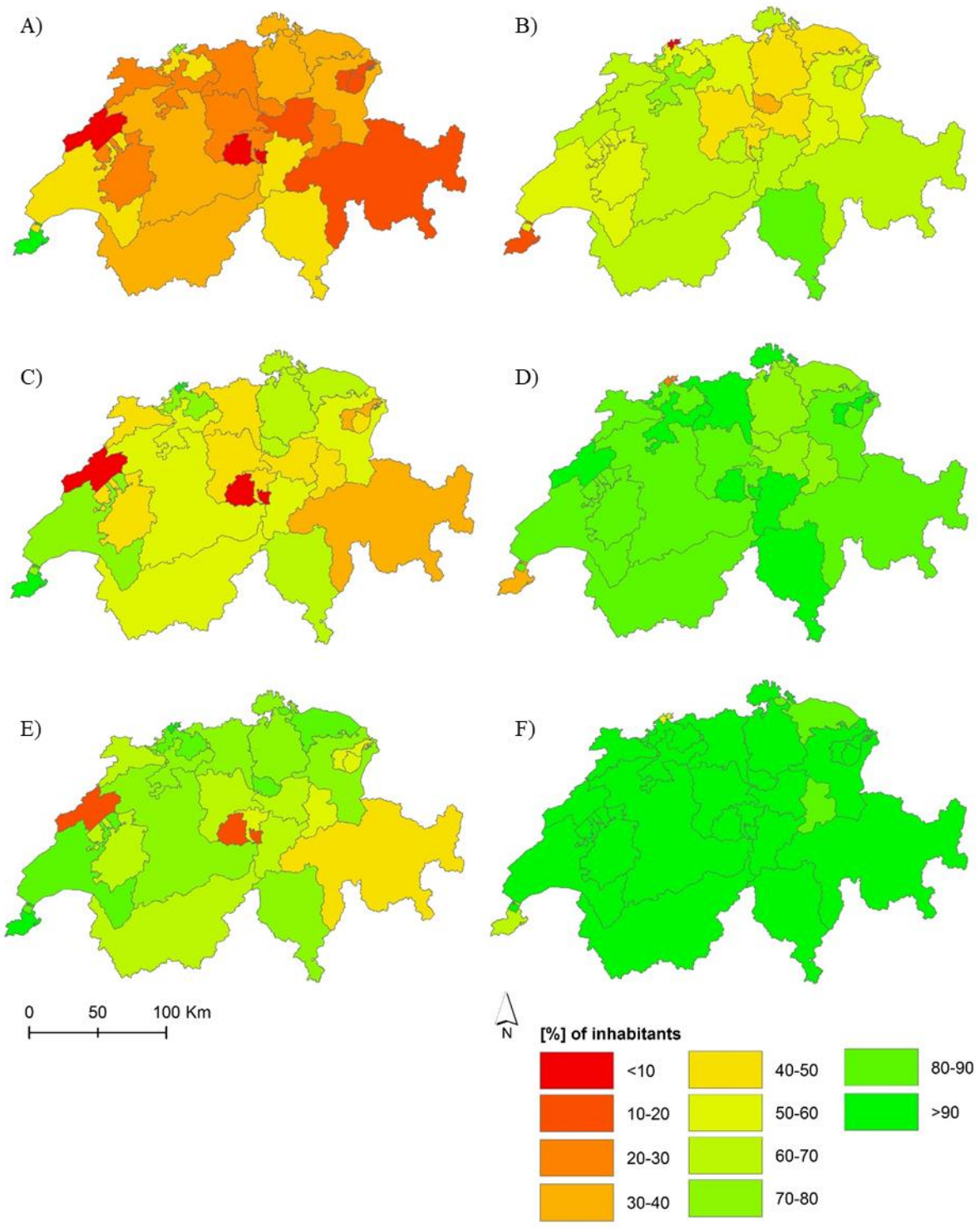


Figure S1: Percentage of the population per Canton that have access to the centroid of the nearest Urban Green Space within A) 5min, C) 10min and E) 15 minutes, using the walking and motorized travel model. Percentage of the population per Canton that have access to the nearest forests patch within A) 5min, C) 10min and E)15 minutes, using the Cost Distance method with the walking and motorized travel model.