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Modelling Accessibility to Urban Green Areas Using Open Earth Observations Data: A Novel Approach to Support the Urban SDG in Four European Cities

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Supplementary Material

Figure S1. Visual comparison of extracted vegetated areas (left) and high-resolution image from Google Earth (right).

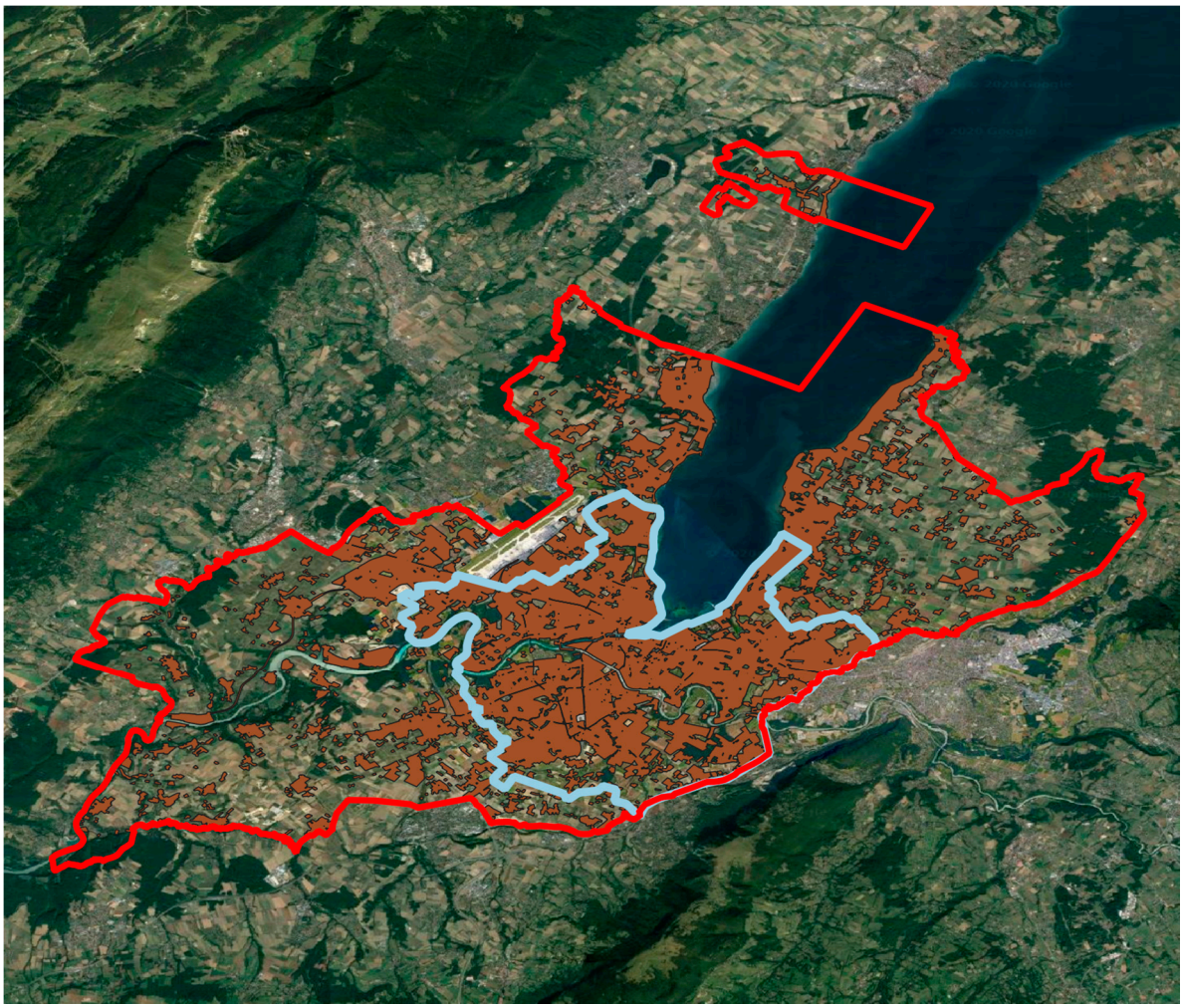

Figure S2. Extracted built-up areas from UA 2018 with Geneva city (blue line) and region (red line).

Figure S3. Road network in Geneva city center as mapped by the official data from SITG (left) and OSM (right).

Table S1. Population accessibility (%) to a park within a given maximum walking time, with two walking scenarios (slow and fast), and computed with 2020 population density estimates.

	Geneva		Barcelona		Goteborg		Bristol	
Walking time	**Slow**	**Fast**	**Slow**	**Fast**	**Slow**	**Fast**	**Slow**	**Fast**
5 min	70.63	83.50	21.31	41.30	47.14	66.15	26.24	52.44
10 min	85.7	88.65	49.76	73.48	70.91	80.63	63.05	85.36
15 min	88.28	89.33	68.85	85.08	79.02	85.91	82.69	88.69

Table S2. Population accessibility (%) to a park within a given maximum walking time, with two walking scenarios (slow and fast), and computed with 2020 "constrained" population density estimates.

	Geneva		Barcelona		Goteborg		Bristol	
Walking time	**Slow**	**Fast**	**Slow**	**Fast**	**Slow**	**Fast**	**Slow**	**Fast**
5 min	70.77	83.50	22.89	43.53	50.73	70.19	25.99	52.54
10 min	85.62	88.52	52.16	75.67	74.45	82.67	63.1	85.35
15 min	88.14	89.23	71.18	86.69	81.3	87.09	82.75	88.66