

1 A socio-spatial extension of the local climate zone typology: its potential 2 in computational urban models and an example from Finnish cities

3 **Supplementary material:** Distribution of LCZs across the sample of analysed cities and the Finnish average.

City	LCZ (% of total land share in the city)							
	LCZ02 Compact mid-rise	LCZ03 Compact low-rise	LCZ04 Open high-rise	LCZ05 Open mid-rise	LCZ06 Open low-rise	LCZ08 Large low-rise	LCZ09 Sparsely built	LCZ10 Heavy industry
Average	0.91	0.62	0.80	14.08	31.21	16.60	35.72	0.05
Espoo	0.73	0.50	0.72	18.70	47.32	18.01	13.98	0.04
Hämeenlinna	0.32	0.16	2.06	11.57	25.01	12.49	48.40	0.00
Helsinki	5.77	0.73	0.70	30.99	27.19	25.65	8.70	0.28
Hyvinkää	0.93	0.93	0.59	30.44	37.93	12.26	16.91	0.00
Järvenpää	0.53	0.53	0.53	18.14	57.79	14.52	7.94	0.00
Joensuu	0.13	0.09	0.70	6.13	2.22	9.67	81.06	0.00
Kauniainen	1.03	0.00	0.21	14.20	66.46	5.35	12.76	0.00
Kerava	0.86	0.43	0.93	18.92	44.01	22.94	11.90	0.00
Kirkkonummi	0.35	0.40	0.35	4.65	38.04	11.31	44.89	0.00
Kotka	0.24	0.86	1.24	13.97	32.13	28.86	22.29	0.41
Kouvola	0.51	0.21	1.09	10.72	14.32	15.16	57.99	0.00
Kuopio	0.18	0.04	0.89	11.43	9.48	11.52	66.46	0.00
Lahti	1.44	0.23	2.32	25.22	26.24	23.73	20.82	0.00
Lappeenranta	0.90	0.45	1.24	20.88	18.88	16.88	40.68	0.09
Mikkeli	0.23	0.12	1.14	6.73	8.88	8.14	74.76	0.00
Nurmijärvi	0.40	0.35	0.20	6.86	45.72	11.92	34.55	0.00
Oulu	0.38	0.20	0.53	9.32	6.76	18.34	64.38	0.07
Pori	1.07	1.50	0.24	8.98	40.73	22.66	24.52	0.29
Riihimäki	1.44	1.56	0.66	18.98	49.01	14.89	13.45	0.00
Rovaniemi	0.08	0.16	0.04	3.75	1.99	10.77	83.20	0.00
Salo	0.08	0.05	0.05	2.70	20.62	14.86	61.63	0.00
Seinäjoki	0.31	2.26	0.72	8.72	30.63	12.05	45.32	0.00

Sipoo	0.00	0.00	0.28	3.51	28.47	16.82	50.83	0.09
Tampere	2.88	1.15	2.84	24.94	26.82	20.79	20.60	0.00
Turku	2.36	1.75	0.46	18.01	40.21	26.12	11.01	0.09
Tuusula	0.62	0.62	0.40	12.32	46.68	18.03	21.33	0.00
Vaasa	1.17	2.30	1.17	18.89	30.45	25.74	20.10	0.19
Vantaa	1.17	0.50	0.69	22.52	39.93	22.64	12.55	0.00
Vihti	0.37	0.00	0.25	6.05	41.05	9.38	42.90	0.00