

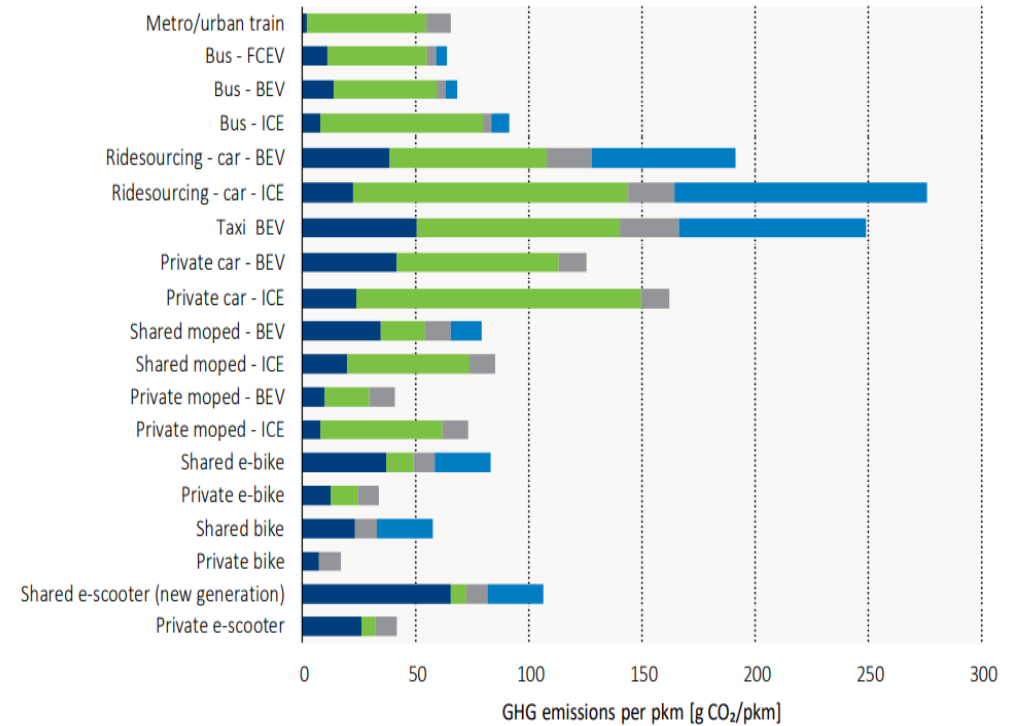
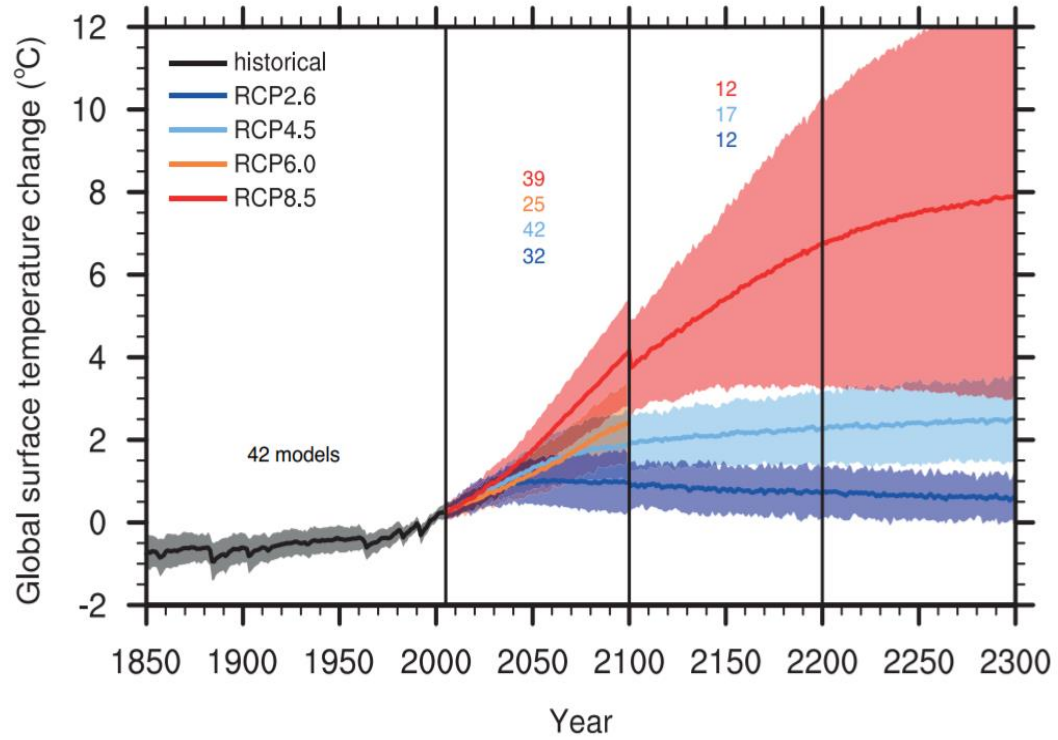


Modelling of cyclists in agent-based simulation

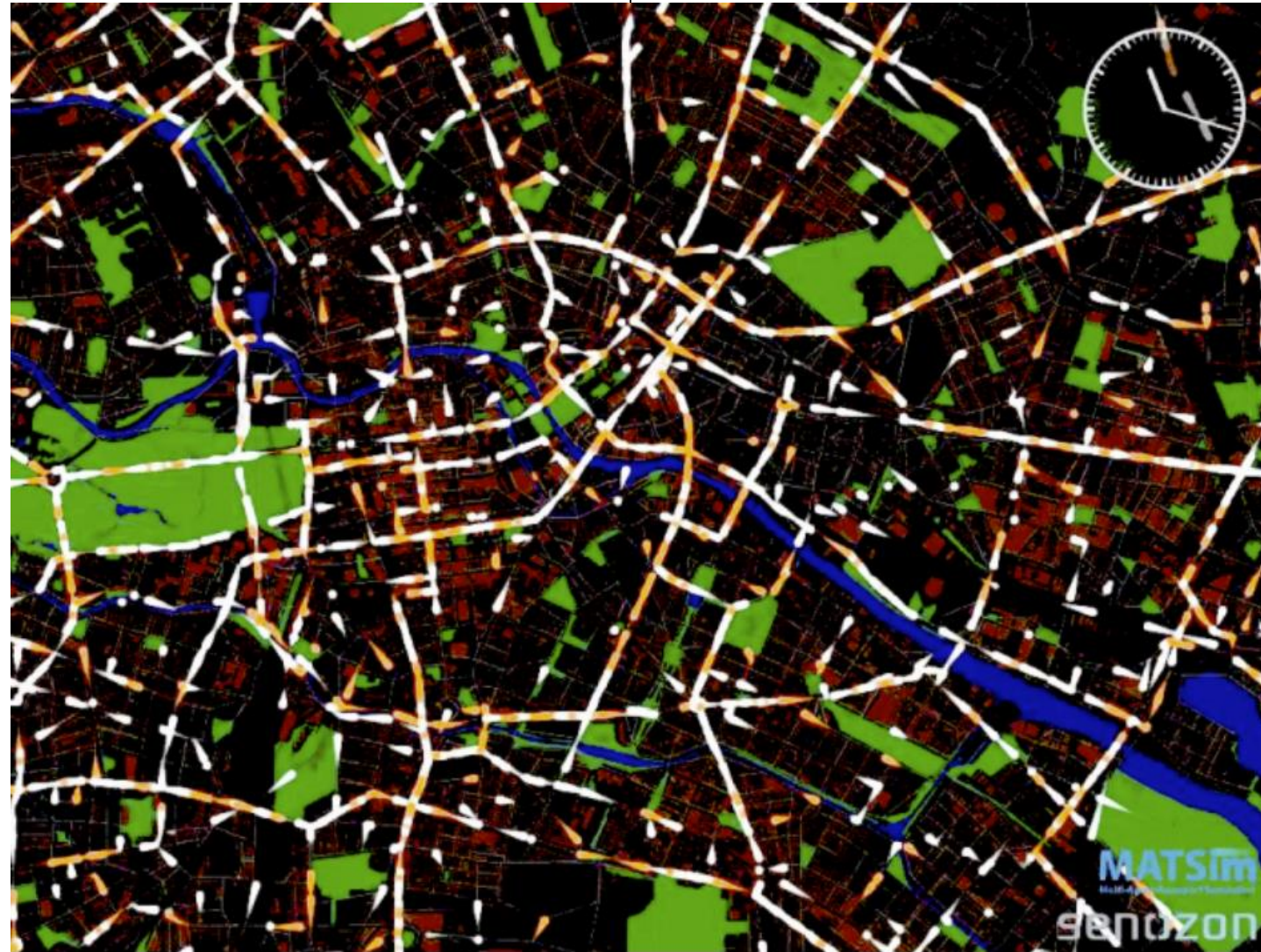
Adrian Meister
CSFM
27.04.2022



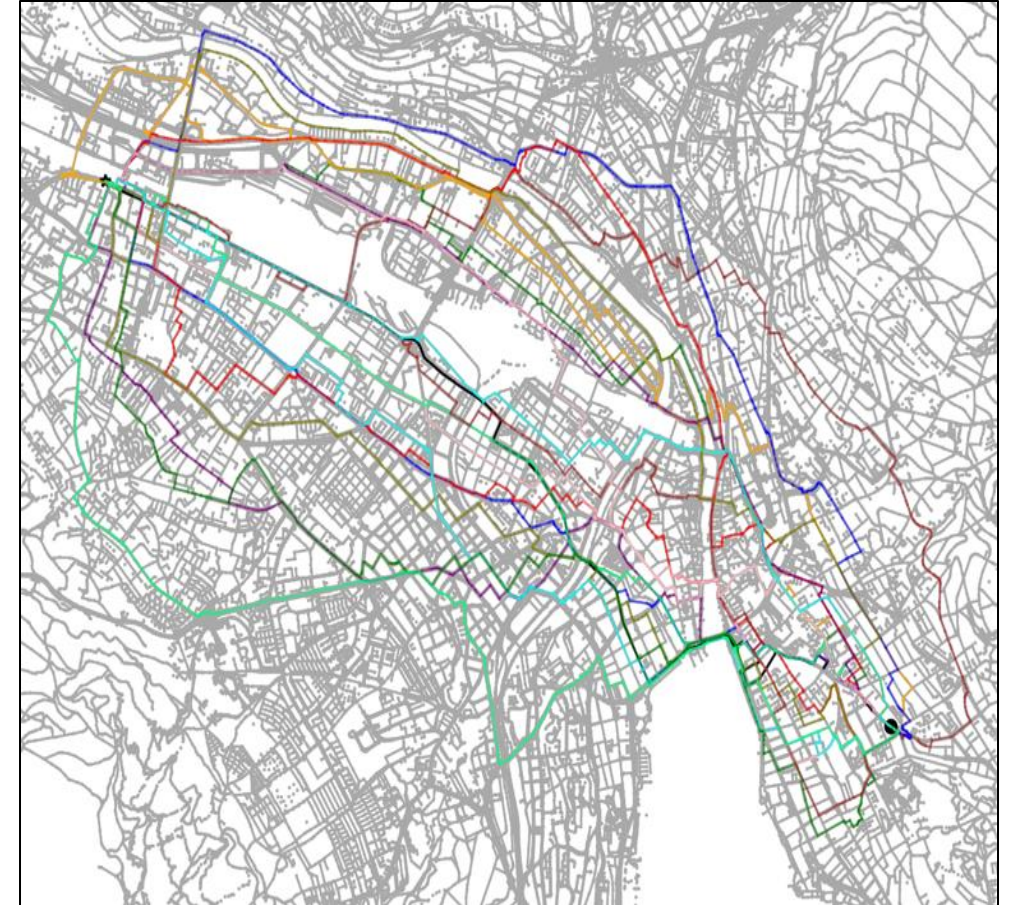
Motivation: Decarbonization



Method: MATSim



Method: Route Choice



Discrete Route Choice Model

Name	Value	Std err	t-test
beta_length	-2.37	0.0827	-28.6
beta_max_ldv1	-9.78	1.26	-7.74
beta_max_ldv1_age_int	0.214	0.036	5.94
beta_max_ldv1_fem_int	2.56	0.77	3.32
beta_max_ldv2	-8.34	1.23	-6.76
beta_max_ldv2_age_int	0.146	0.0359	4.08
beta_max_ldv2_fem_int	3.27	0.77	4.25
beta_max_maxspeed_30	-1.74	0.711	-2.45
beta_max_maxspeed_30_age_int	0.00746	0.0172	0.435
beta_max_maxspeed_30_fem_int	0.417	0.282	1.48
beta_path_size	2.47	0.0335	73.7

beta_slope1	-1.46	0.739	-1.97
beta_slope1_ebike_int	1.37	1.53	0.894
beta_slope2	-3.8	1.14	-3.34
beta_slope2_ebike_int	6.76	2.49	2.71
beta_slope3	-13	1.62	-8.01
beta_slope3_ebike_int	11.6	2.98	3.9
beta_ts_car_age_int	-0.00745	0.0014	-5.31
beta_ts_car_enc	0.224	0.0561	3.99
beta_ts_car_fem_int	-0.0695	0.0276	-2.52
beta_velostreifen	3.2	0.934	3.42
beta_velostreifen_age_int	-0.00287	0.0224	-0.128
beta_velostreifen_fem_int	-2.64	0.417	-6.32
beta_veloweg	10.3	1.16	8.88
beta_veloweg_age_int	-0.138	0.0279	-4.96
beta_veloweg_fem_int	-3.25	0.508	-6.4

Thank you!