

S7 Annexure: Geographical patterns of megacity's average growth in urban variables and GHGs

Table A. Geographical patterns of 41 megacities for growth rates of key variables

	Pop	Density	Area	BUA	BUA/ capita	GDP	Green-ness	PM 2.5	CO ₂	CO ₂ / capita
Africa	2.40	1.11	1.27	1.01	151.72	2.17	0.44	-0.21	28.20	2.90
Asia	2.64	0.49	2.14	1.41	110.67	6.22	0.55	0.13	70.52	3.93
Europe	1.02	0.59	0.43	0.40	143.85	2.22	0.97	-0.16	70.89	5.87
North America	0.71	-0.23	0.95	1.10	136.48	1.11	1.15	-1.98	91.96	5.52
South America	1.78	1.07	0.71	0.48	98.43	3.63	0.20	-1.51	30.52	2.20

Table B. Geographical patterns of 41 megacities for growth rate of carbon emissions, including key sectors

	CO ₂ GR	CO ₂ / capita GR	I- CO ₂	I-CO ₂ GR	E-CO ₂	E-CO ₂ GR	R-CO ₂	R-CO ₂ GR	T-CO ₂	T-CO ₂ GR	A-CO ₂	A-CO ₂ GR
Africa	3.31	0.70	15.25	3.1	3.77	2.5	6.80	2.7	2.38	3.8	8.40	2.9
Asia	3.40	0.54	37.74	3.0	17.20	6.6	11.12	2.1	4.31	5.4	142.37	2.0
Europe	0.36	-1.45	16.94	-1.4	28.95	-2.3	19.91	-0.1	5.09	1.3	2.12	-1.2
North America	0.45	-0.31	39.14	-0.1	14.64	4.1	27.94	0.1	10.21	2.3	29.02	1.0
South America	1.55	-0.37	22.11	1.6	1.54	4.9	4.11	-0.1	2.76	2.7	3.79	2.5

CO₂: Carbon dioxide emissions, I: Industrial, E: Energy, R: Residential, T: Transport, A: Agricultural, GR: Growth rate