

Supplementary materials

Table S1. Urban and construction information of four surrounding regions along the MRP.

Regions	Year	Urban Area (km ²)	Completed Urban Area (km ²)	Total Resi- dents (Million)	Urban Resi- dents (Million)	Rural Resi- dents (Mil- lion)	Urbanization Rate (%)	Annual Growth of Urbanization (%)
Henan	2019	5364	2944	9640	5129	4511	53.21%	1.50%
	2018	5132	2797	9605	4967	4638	51.71%	1.55%
	2017	5132	2685	9559	4795	4764	50.16%	1.66%
	2016	4823	2544	9532	4623	4909	48.50%	1.65%
	2015	4810	2503	9480	4441	5039	46.85%	1.65%
Hebei	2019	6309	2182	7592	4374	3218	57.61%	1.18%
	2018	5927	2163	7556	4264	3292	56.43%	1.42%
	2017	6907	2120	7520	4136	3383	55.01%	1.69%
	2016	6613	2056	7470	3983	3487	53.32%	1.99%
	2015	6399	1944	7425	3811	3614	51.33%	2.00%
Beijing	2019	16410	1469	2154	1865	289	86.58%	0.09%
	2018	16410	1469	2154	1863	291	86.49%	-0.01%
	2017	16410	1446	2171	1878	293	86.50%	-0.01%
	2016	16410	1420	2173	1880	293	86.52%	0.02%
	2015	12187	1401	2171	1877	293	86.50%	0.16%
Tianjin	2019	2640	1151	1562	1304	258	83.48%	0.34%
	2018	2585	1078	1560	1297	263	83.14%	0.23%
	2017	2585	1088	1557	1291	266	82.92%	0.01%
	2016	2583	1008	1562	1295	267	82.91%	0.30%
	2015	2506	885	1547	1278	269	82.61%	0.34%