Supplementary Materials

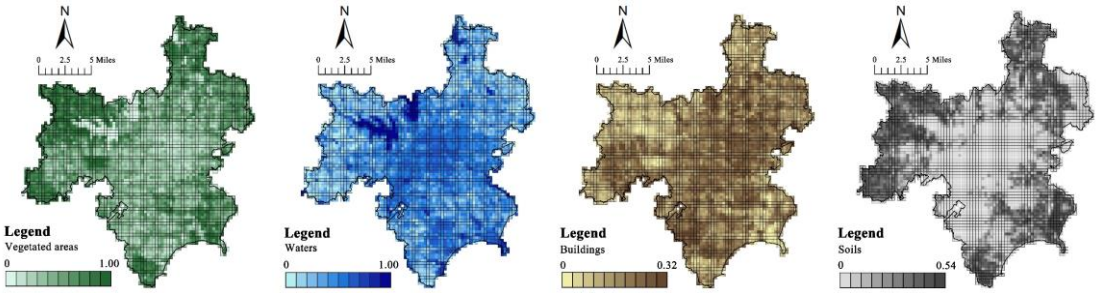


Fig. S1. Spatial distribution of land cover.

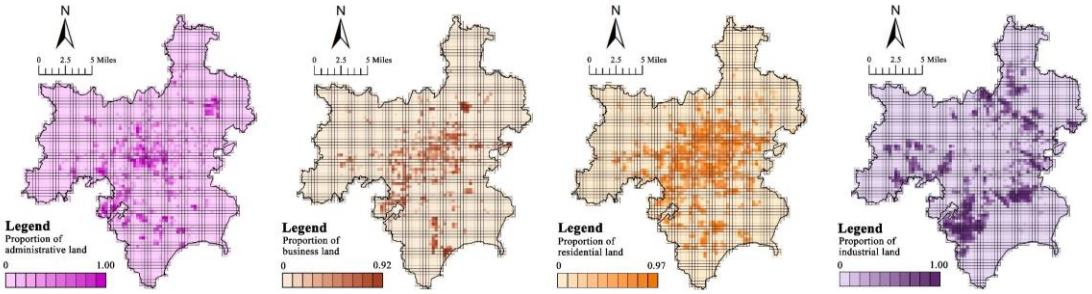


Fig. S2. Spatial distribution of land use.

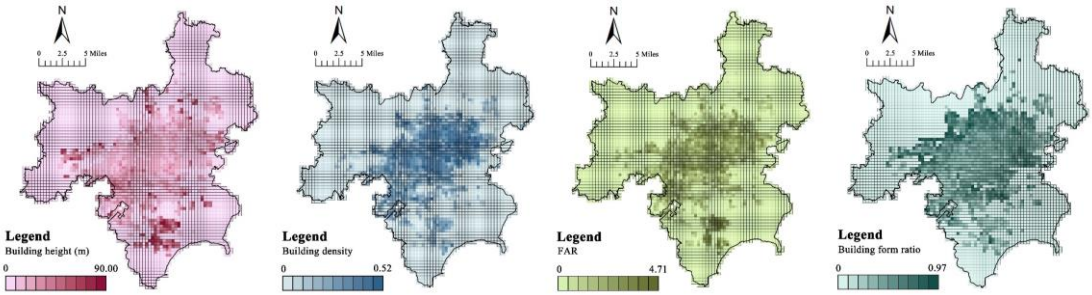


Fig. S3. Spatial distribution of building form.

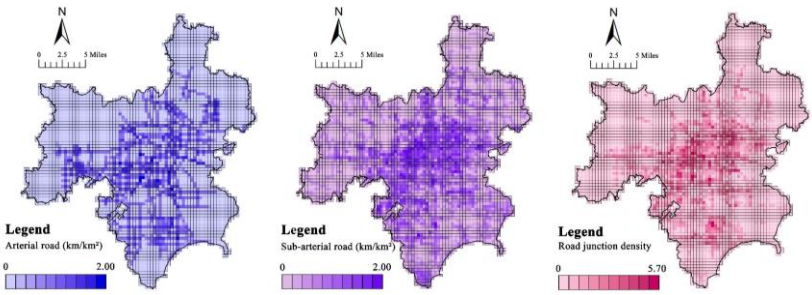
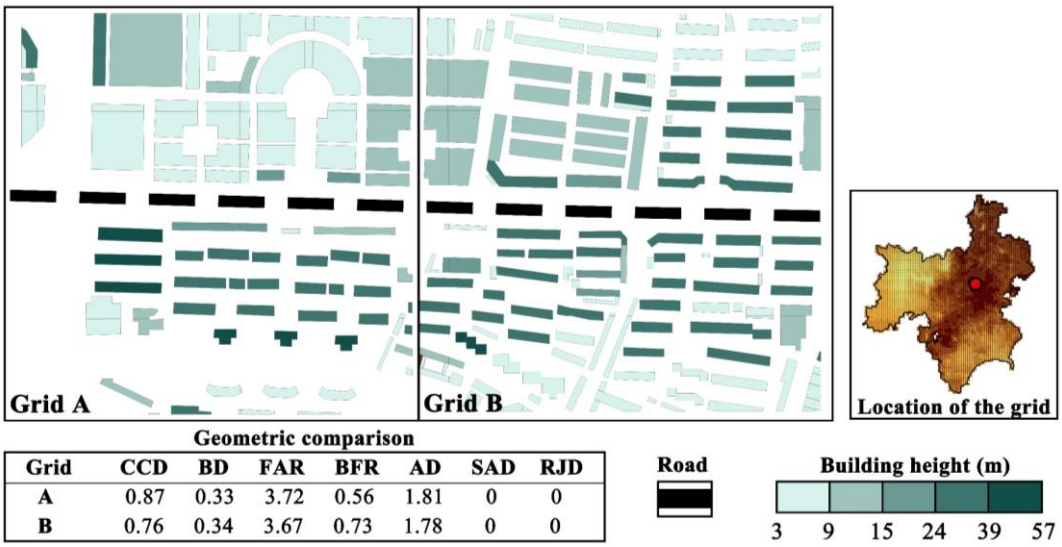


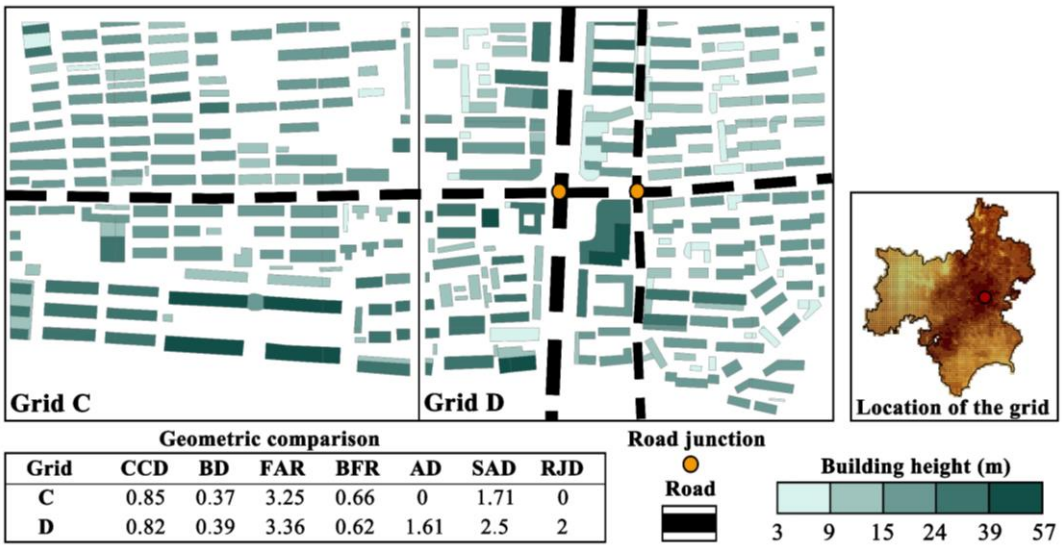
Fig. S4. Spatial distribution of road traffic.



Geometric comparison

Grid	CCD	BD	FAR	BFR	AD	SAD	RJD
A	0.87	0.33	3.72	0.56	1.81	0	0
B	0.76	0.34	3.67	0.73	1.78	0	0

Fig. S5. Comparison of building form.



Geometric comparison

Grid	CCD	BD	FAR	BFR	AD	SAD	RJD
C	0.85	0.37	3.25	0.66	0	1.71	0
D	0.82	0.39	3.36	0.62	1.61	2.5	2

Fig. S6. Comparison of road traffic.

Table S1. Statistical Results of Land Use Indicators

Type	Variable	Model	LM lag	Robust LM lag	LM error	Robust LM error	R^2	P
Coupling coordination degree (CCD)	AL	SLM	0	0.21	0	0.65	0.53	0.31
	BL	SLM	0	0	0	0.03	0.65	0
	RL	SLM	0	0	0	0.75	0.76	0
	ML	SLM	0	0	0	0.05	0.73	0

Note: The results indicate metrics statistically significant at P < 0.01 level.

Table S2. Statistical Tesults of Building Form Indicators

Type	Variable	Model	LM lag	Robust LM lag	LM error	Robust LM error	R^2	P
Coupling coordination degree (CCD)	BH	SEM	0	0.39	0	0.24	0.51	0.18
	BD	SLM	0	0	0	0.21	0.73	0
	FAR	SLM	0	0	0	0.81	0.83	0
	BFR	SLM	0	0.02	0	0.21	0.78	0.01

Note: The results indicate metrics statistically significant at P < 0.01 level.

Table S3. Statistical Results of Road Traffic Indicators

Type	Variable	Model	LM lag	Robust LM lag	LM error	Robust LM error	R^2	P
Coupling coordination degree (CCD)	AD	SLM	0	0	0	0	0.63	0.05
	SAD	SLM	0	0.06	0	0.53	0.61	0
	RJD	SLM	0	0	0	0.03	0.58	0

Note: The results indicate metrics statistically significant at P < 0.01 level.