

Supplementary Information:

Table S1. The confusion matrix of 2010 image classification and accuracy.

		Class types determined from reference source											User's Accuracy	
		Samples	Woodland	Green land	River	Lake	Reservoir	Farmland	Residential land	Commercial land	Industrial land	Transportation land		Public land
Class types determined from classified map	Woodland	97	4	0	0	0	1	0	0	0	0	0	102	95%
	Green land	2	85	0	0	0	2	0	0	0	0	0	89	96%
	River	0	0	55	0	0	0	0	0	0	0	0	55	100%
	Lake	0	0	0	35	0	0	0	0	0	0	0	35	100%
	Reservoir	0	0	0	0	20	0	0	0	0	0	0	20	100%
	Farmland	0	3	0	0	0	84	0	0	0	0	0	87	97%
	Residential land	0	0	0	0	0	0	122	6	1	0	1	130	94%
	Commercial land	0	0	0	0	0	0	2	92	5	0	2	101	91%
	Industrial land	0	0	0	0	0	0	0	3	82	3	2	90	91%
	Transportation land	0	0	0	0	0	0	0	0	0	73	1	74	99%
	Public land	0	0	0	0	0	0	0	1	1	0	83	85	98%
	Totals	99	92	55	35	20	87	124	102	89	76	89	868	
	Producer's Accuracy	98%	92%	100%	100%	100%	97%	98%	90%	92%	96%	93%		95%

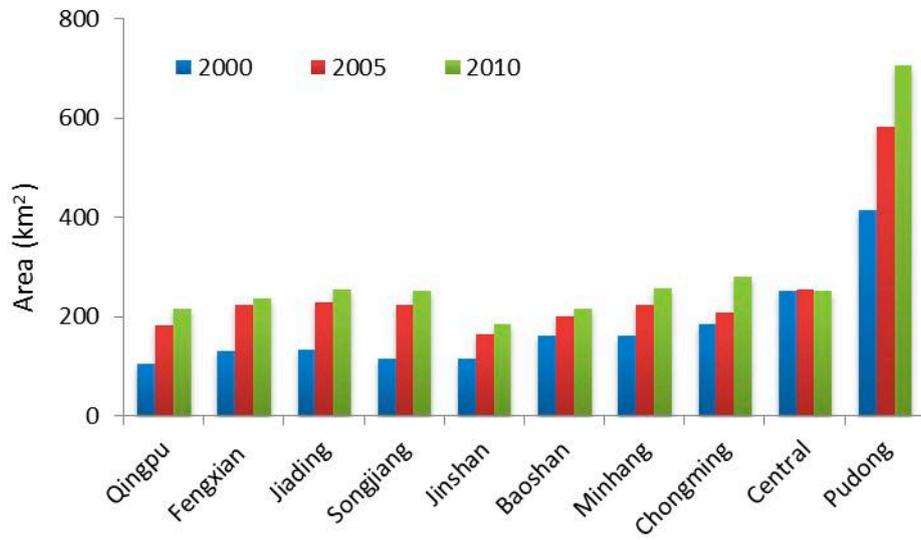


Figure S1. Urban expansion (km²) in 10 census sub-areas of Shanghai in 2000, 2005 and 2010.

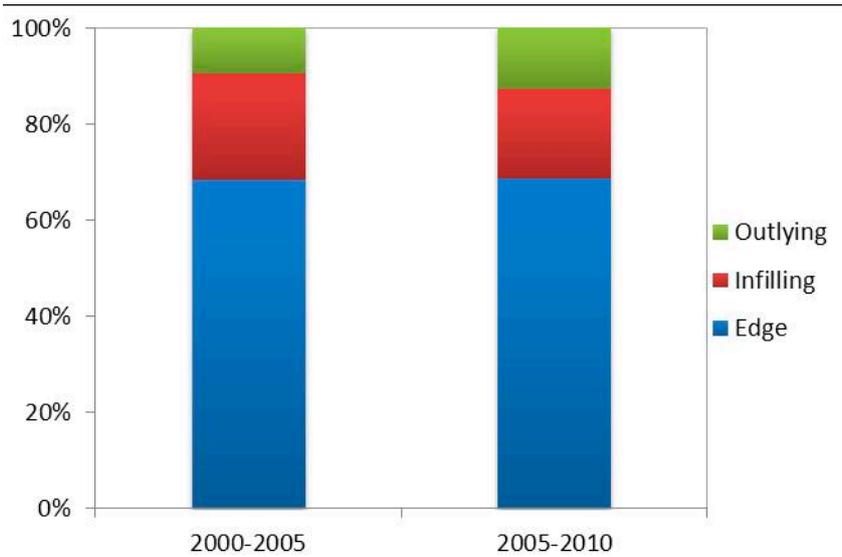


Figure S2. Nature of urban expansion (outfilling, infilling, edge) in Shanghai in the sub-periods 2000–2005 and 2005–2010.