

Supplementary Table 1 Land use change matrix from 1990-2000 (km²)

	LULC	1990					
		Paddy rice	Forest	Grassland	Cropland	Water	Building
2000	Paddy rice	502.19	74.10	5.23	27.48	5.12	11.71
	Forest	290.56	6875.79	594.40	329.22	1.41	14.43
	Grassland	8.33	329.80	984.88	544.45	0.02	8.02
	Cropland	21.53	125.10	221.14	852.86	0.89	28.32
	Water	8.98	0.27	0.12	0.89	17.60	2.84
	Building	7.23	3.30	2.71	13.55	1.23	28.05
	total	838.83	7408.35	1808.47	1768.45	26.27	93.38