

Table S1: Transition matrix of land use in the study area from 1954 to 2016. Characters in Bold represent the actual used hectares. The characters in Normal represent the rate of changes through time.

2016 \ 1954	1954												1954
	Urbanized, buildings and roads	Agricultural	Chestnut groves	Dense deciduous forests	Sparse deciduous forests	Wooded pasture	Grasslands	Sinkholes grasslands	Mosaic of open and shrub areas	Shrublands	Grasslands with scattered shrubs and trees	Waters	
Urbanized, buildings and roads	29.15	0.41	0.70	0.78	2.86	0.00	0.01	0.24	0.32	0.07	0.32	0.00	34.87
Agricultural	36.54	95.80	7.67	0.31	14.77	0.37	1.97	3.82	4.11	7.42	0.61	0.00	173.39
Chestnut groves	37.85	14.06	257.57	14.22	34.82	0.70	1.71	2.90	2.76	3.13	1.87	0.00	371.59
Dense deciduous forests	3.16	0.06	0.45	313.29	176.20	0.04	0.00	1.50	0.54	0.24	0.85	0.00	496.33
Sparse deciduous forests	7.95	5.85	9.54	339.08	643.11	2.16	1.21	7.77	8.59	8.45	5.43	0.01	1039.14
Wooded pasture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sinkholes grasslands	4.08	7.10	0.25	0.72	22.58	0.00	107.01	7.78	2.86	6.64	5.08	0.51	164.60
Grasslands	6.71	11.39	2.12	4.00	64.45	0.60	2.67	199.66	57.32	7.38	10.39	0.00	366.69
Mosaic of open and shrub areas	4.13	6.30	3.46	16.42	241.66	0.48	3.07	53.17	85.42	10.15	38.52	0.00	462.78
Shrublands	1.05	2.92	1.00	26.15	86.18	0.03	0.83	1.63	1.47	5.36	0.99	0.00	127.59
Grasslands with scattered shrubs and trees	3.49	2.60	3.63	29.19	235.57	0.20	1.99	10.85	19.03	11.41	10.76	0.00	328.72
Waters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62
2016	134.11	146.50	286.38	744.17	1522.20	4.57	120.47	289.31	182.41	60.25	74.81	1.15	3566.32