Supplementary Material

Appendix: Supplementary data

Table S1. Conversion cost matrix of land use under natural development scenario

Land-use type	cultivated land	forest land	grassland	water area	construction land	unused land
cultivated land	1	0	1	1	1	0
forest land	1	1	0	0	0	0
grassland	1	1	1	1	1	0
water area	0	0	1	1	0	0
construction land	0	0	0	0	1	0
unused land	1	1	1	1	1	1

0: No transformation; 1: Transformation

Table S2. Conversion cost matrix of land use under ecological conservation priority scenario

Land-use type	cultivated land	forest land	grassland	water area	construction land	unused land
cultivated land	1	1	1	0	0	0
forest land	0	1	0	0	0	0
grassland	0	1	1	0	0	0
water area	1	1	1	1	0	0
construction land	1	1	1	1	1	0
unused land	1	1	1	1	1	1

0: No transformation; 1: Transformation

Table S3. Conversion cost matrix of land use under cultivated land conservation priority scenario

Land-use type	cultivated land	forest land	grassland	water area	construction land	unused land
cultivated land	1	0	0	0	0	0
forest land	1	1	1	0	0	0
grassland	1	1	1	1	1	0
water area	1	0	0	1	0	0
construction land	0	0	0	0	1	0
unused land	1	1	1	1	1	1

0: No transformation; 1: Transformation