

Table S1. Full names and abbreviations of 29 counties (banners) in the FPE in Inner Mongolia

Order	Abbr	FPE in Inner Mongolia	Order	Abbr	FPE in Inner Mongolia
1	L	Tumed Left Banner	16	NC	Ningcheng County
2	T	Togtoh County	17	AH	Aohan Banner
3	HR	Horinger County	18	J	Jining District
4	QS	Qingshuihe County	19	ZZ	Zhuozi County
5	WC	Wuchuan County	20	HD	Huade County
6	R	Tumed Right Banner	21	SD	Shangdu County
7	GY	Guyang County	22	XH	Xinghe County
8	SS	Songshan District	23	LC	Liangcheng County
9	AH	Ar Horqin Banner	24	F	Qahar Right Front Banner
10	BL	Bairin Left Banner	25	M	Qahar Right Middle Banner
11	BR	Bairin Right Banner	26	QR	Qahar Right Rear Banner
12	LX	Linxi County	27	FZ	Fengzhen City
13	H	Hexigten Banner	28	TB	Taibus Banner
14	O	Ongniud Banner	29	DL	Duolun County
15	HQ	Harqin Banner			

Table S2. Classification system of PLES in the FPE in Inner Mongolia

Primary classification	Secondary classification	Land use type
Production space	Agricultural production space	Paddy fields, dry land
	Industrial production space	Industry and mining, land use for transport construction
Living space	Urban living space	Urban land
	Rural living space	Rural residential land
Ecological space	Forest ecological space	Woodland, shrub land, open forest land, other woodland
	Grassland ecological space	Grassland with high, medium, and low coverage

Aquatic ecological space	Canals, lakes, reservoir pit ponds, permanent glaciers and snowfields, tidal flats, bottomland
Other ecological spaces	Sandy land, Gobi, saline alkali land, swamp land, bare land, bare rock land, and other unused land

[illegible]

Table S4. Equivalent factors of ecosystem service value per unit area of FPE in Inner Mongolia

[illegible]

Table S5. The single dynamic degree of different land use type

Primary classification	Secondary classification	2000-2010 (%)	2010-2020 (%)	2000-2020 (%)
Production space	Agricultural production space	0.15	-0.21	-0.06
	Industrial production space	48.93	38.71	277.09
Ecological space	Forest ecological space	4.34	-2.84	0.26
	Grassland ecological space	-1.25	1.28	-0.13
	Aquatic ecological space	0.46	-0.17	0.29
	Other ecological space	0.33	-0.44	-0.12
Living space	Urban living space	2.86	5.64	10.12
	Rural living space	0.59	-0.19	0.39