

Supplementary Files

Table S1 Ecosystem service equivalent value per unit area

Ecosystem classifica- tion	Provision services			Regulation services					Support services		Culture services
	Food produc- tion	Raw ma- terial produc- tion	Water sup- ply	Gas reg- ulation	Climate regula- tion	Hydrolo- gy regula- tion	Environ- ment puri- fication	Soil conser- vation	Nutrient cycle mainte- nance	Biodiversity mainte- nance	Aesthetic land- scape provision
Cultivated land	2.21	0.49	-2.61	1.78	0.93	2.99	0.27	1.04	0.31	0.34	0.15
Forestry area	1.01	2.32	1.2	7.63	22.83	14.94	6.69	9.29	0.71	8.46	3.71
Grassland	0.7	1.03	0.57	3.62	9.57	7.01	3.16	4.41	0.34	4.01	1.77
Water area	1.31	0.73	13.04	2.85	6.43	133.6	9.31	3.24	0.25	10.43	6.71
Unused land	0.01	0.03	0.02	0.13	0.1	0.24	0.41	0.15	0.01	0.14	0.06

Table S2 Classification of ecosystem services

Primary type	Secondary type	Definition of ecosystem services
Provision services	Food production	Converting solar energy into edible plant and animal products.
	Raw material production	Converting solar energy into biological energy, used as buildings for human or other purposes.
	Water supply	Water resources provided by various ecosystems and used for residential life, agriculture (irrigation), industrial process, etc.
Regulation services	Gas regulation	The ecosystem maintains the balance of the atmospheric chemical composition, absorbing SO ₂ , fluoride, and nitrogen oxides.
	Climate regulation	Regional climate regulation, such as increasing precipitation and lowering temperatures.
	Hydrology regulation	Ecosystems intercept, absorb and store precipitation, regulate runoff, regulate flood water, and reduce drought and flood disasters.
	Environment purification	Vegetation and organisms remove and degrade excess nutrients and compounds, with the functions of retention of dust and decontamination, etc., including purifying the water and air.
	Soil conservation	Accumulation of organic matter, the role of vegetation and organisms in soil conservation.
Support services	Nutrient cycle maintenance	The storage, internal circulation, processing and acquisition of N, P, and other elements and nutrients
	Biodiversity maintenance	The genetic origin and evolution of wildlife, habitats of wildlife, and plant.
Culture services	Aesthetic landscape provision	Landscapes with (potential) recreational use, cultural and artistic value.