

**Table S1.** Aggregation of sectors in the input-output table.

Original 42 sectors	Aggregated 7 sectors	Original 42 sectors	Aggregated 7 sectors
1 Agriculture, forestry, animal husbandry and fishery	1 Agriculture (AG)	22 Scrap and waste	
2 Coal mining and dressing	2 Mining (MI)	23 Electricity, steam and hot water production and supply	4 Energy supply (ES)
3 Petroleum and natural gas extraction		24 Gas production and supply	
4 Metal ore mining		25 Water production and supply	5 Water supply (WS)
5 Non-metal minerals mining		26 Construction	6 Construction (CO)
6 Manufacture of food products and tobacco processing	3 Manufacturing (MA)	27 Transport and storage	7 Services and transport (ST)
7 Textiles		28 Post services	
8 Wearing apparel, leather, fur, down and related products		29 Telecommunication, computer services and software	
9 Sawmills and furniture		30 Wholesale and retail trade services	
10 Paper and products, printing and record medium reproduction		31 Accommodation and food serving services	
11 Petroleum processing, coking and nuclear fuel processing		32 Finance and insurance	
12 Chemical industry		33 Real estate	
13 Nonmetallic mineral products		34 Rental and business services	
14 Metal smelting and pressing		35 Scientific research	
15 Metal products		36 Poly technical services	
16 General and special purpose machinery		37 Water resources, environment and public facilities management	
17 Transport equipment		38 Residential services and other social services	
18 Electric equipment and machinery		39 Educational services	
19 Electronic and telecommunication equipment		40 Health, social security and welfare	
20 Instruments, meters, cultural and office machinery		41 Cultural, sporting and recreational services	
21 Art ware and other manufacturing products		42 Public management and social organization	

**Table S2.** The virtual water flows matrix of Tibet in 2012.

	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 7
Sector 1	78830.310	124.577	32249.176	0.003	0.001	2646.282	25021.137
Sector 2	11.463	1391.477	747.553	0.007	2.043	2264.070	360.081
Sector 3	5774.299	4592.453	11979.542	2079.541	44.980	164425.907	63949.059
Sector 4	300.555	334.682	951.916	1229.885	75.196	775.836	3733.729
Sector 5	701.995	58.923	424.306	69.396	1456.314	807.263	4897.849
Sector 6	2.534	17.175	10.492	47.243	15.867	39628.297	4588.565
Sector 7	570.800	803.000	1892.985	951.363	49.161	30970.451	34044.456

Note: Sector numbers are defined in Supplementary Table S1. (Unit:  $10^4 \text{ m}^3$ )