

# Supporting Information

Uncovering variations, determinants and disparities of multi-sector level final energy use of industry across cities

**Table 1.** Value added of three industries of ten Chinese cities in 2015 (Unit: Billion Chinese Yuan).

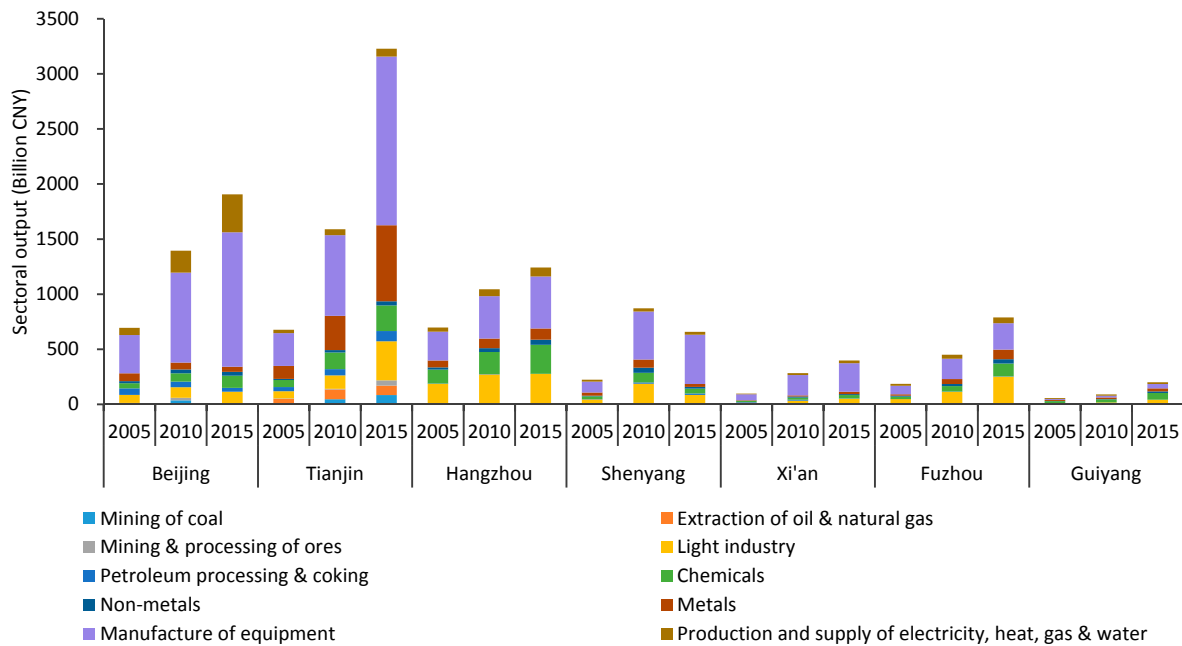
	Beijing	Tianjin	Hangzhou	Shenyang	Xi'an	Fuzhou	Guiyang
Primary Industry	14.04	20.88	28.79	34.14	22.02	43.47	12.89
Secondary Industry	466.06	791.81	390.90	347.42	212.63	244.96	110.85
Industry	383.07	719.65	349.78	308.88	137.67	187.53	71.41
Construction	96.19	74.03	41.12	38.54	74.96	58.04	39.44
Tertiary Industry	1888.47	871.09	585.32	345.67	345.47	273.38	165.28

**Table 2.** Aggregation of industrial sectors.

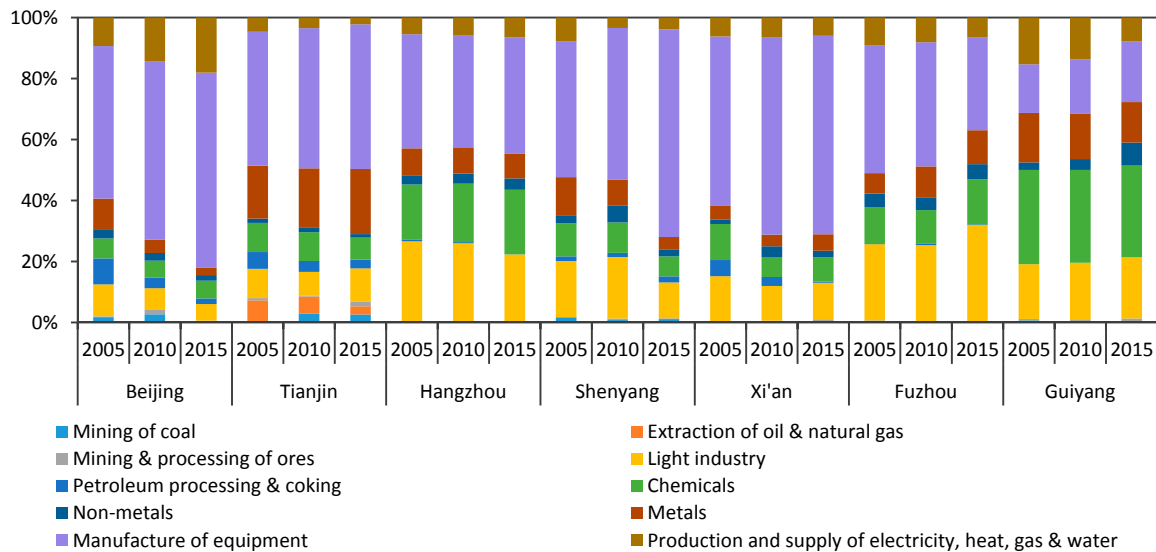
Code	Aggregate sectors	Code	Industrial sectors
IS1	Mining of coal	1	Mining and Washing of Coal
IS2	Extraction of oil & natural gas	2	Extraction of Petroleum and Natural Gas
IS3	Mining & processing of ores	3	Mining and Processing of Ferrous Metal Ores
		4	Mining and Processing of Non-Ferrous Metal Ores
		5	Mining and Processing of Non-metal Ores
		6	Support Activities for Mining
		7	Mining of Other Ores
		8	Processing of Food from Agricultural Products
		9	Manufacture of Foods
IS4	Light industry	10	Manufacture of Liquor, Beverages and Refined Tea
		11	Manufacture of Tobacco
		12	Manufacture of Textile
		13	Manufacture of Textile, Wearing Apparel and Accessories
		14	Manufacture of Leather, Fur, Feather and Related Products and Footwear
		15	Processing of Timber, Manufacture of Wood, Bamboo, Rattan, Palm and Straw Products
		16	Manufacture of Furniture
		17	Manufacture of Paper and Paper Products
		18	Printing and Reproduction of Recording Media
		19	Manufacture of Articles for Culture, Education, Crafts, Sport and Entertainment products
IS5	Petroleum processing & coking	20	Processing of Petroleum, Coking and Processing of Nuclear Fuel
IS6	Chemicals	21	Manufacture of Raw Chemical Materials and Chemical Products
		22	Manufacture of Medicines
		23	Manufacture of Chemical Fibers
IS7	Non-metals	24	Manufacture of Rubber and Plastics Products
IS8	Metals	25	Manufacture of Non-metallic Mineral Products
		26	Smelting and Pressing of Ferrous Metals
		27	Smelting and Pressing of Non-ferrous Metals
		28	Manufacture of Metal Products
IS9	Manufacture of equipment	29	Manufacture of General Purpose Machinery
		30	Manufacture of Special Purpose Machinery
		31	Manufacture of Automobiles
		32	Manufacture of Railway, Ship, Aerospace and Other Transport Equipment
		33	Manufacture of Electrical Machinery and Apparatus
		34	Manufacture of Computers, Communication and Other Electronic Equipment
		35	Manufacture of Measuring Instruments and Machinery
		36	Other Manufacture
		37	Utilization of Waste Resources
		38	Repair Service of Metal Products, Machinery and Equipment
IS10	Production and supply of electricity, heat, gas & water	39	Production and Supply of Electricity and Heat
		40	Production and Supply of Gas
		41	Production and Supply of Water

**Table 3.** References for data sources in this study.

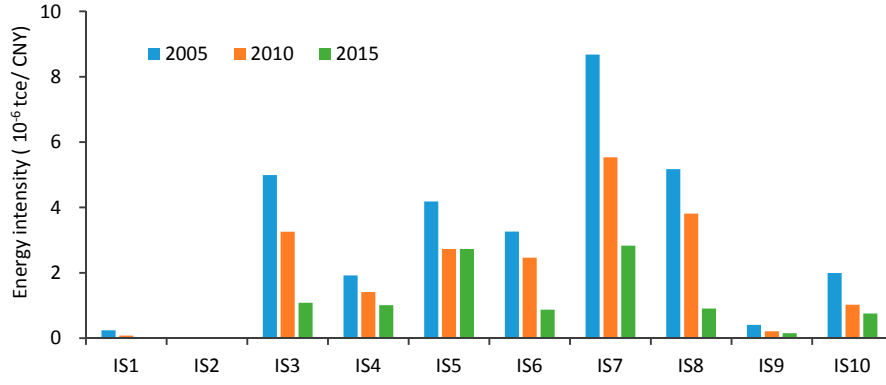
References (in Chinese)	
1	Fujian Statistical Bureau. <i>Fujian Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
2	Guizhou Statistical Bureau. <i>Guizhou Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
3	Statistics Bureau of Zhejiang Province. <i>Zhejiang Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
4	Liaoning Statistical Bureau. <i>Liaoning Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
5	Shaanxi Statistical Bureau. <i>Shaanxi Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
6	Beijing Statistical Bureau. <i>Beijing Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
7	Fuzhou Statistical Bureau. <i>Fuzhou Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
8	Guiyang Statistical Bureau. <i>Guiyang Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
9	Hangzhou Statistical Bureau. <i>Hangzhou Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
10	Shenyang Statistical Bureau. <i>Shenyang Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
11	Tianjin Statistical Bureau. <i>Tianjin Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
12	Xi'an Statistical Bureau. <i>Xi'an Statistical Year Book 2006-2016</i> ; China Statistics Press: Beijing, China, 2006-2016.
13	National Bureau of Statistics of China. <i>China Energy Statistical Yearbook 2016</i> . China Statistics Press: Beijing, China, 2006-2016.



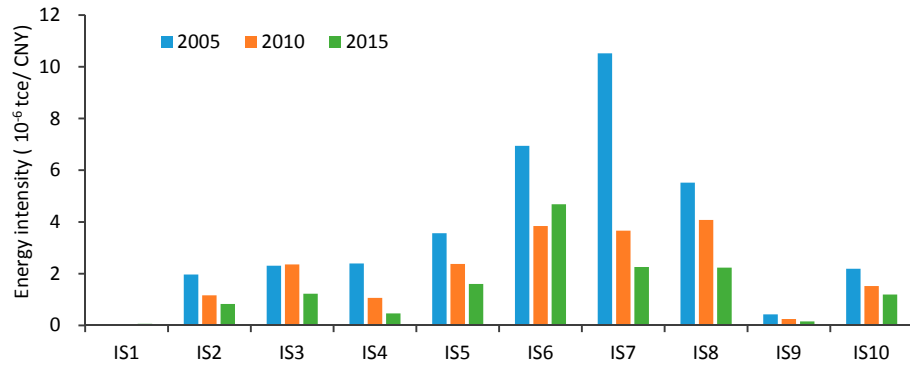
**Figure 1.** Industrial sectoral output in 7 cities in 2005, 2010 and 2015. (CNY, Chinese Yuan).



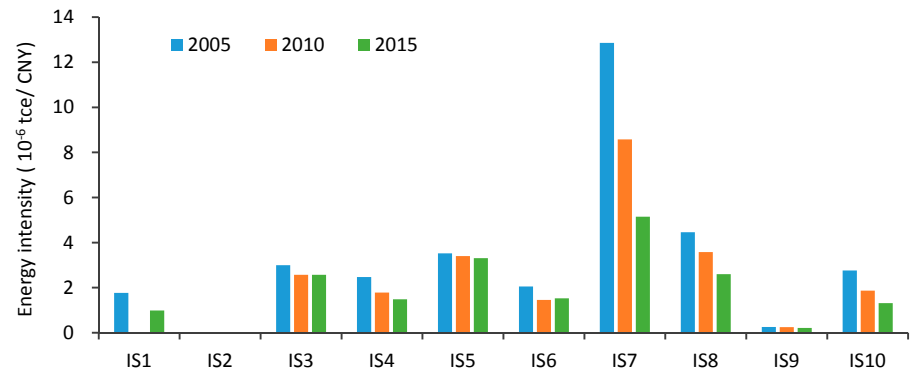
**Figure S2.** Changes in proportion of sectoral output in 7 cities during 2005-2015.



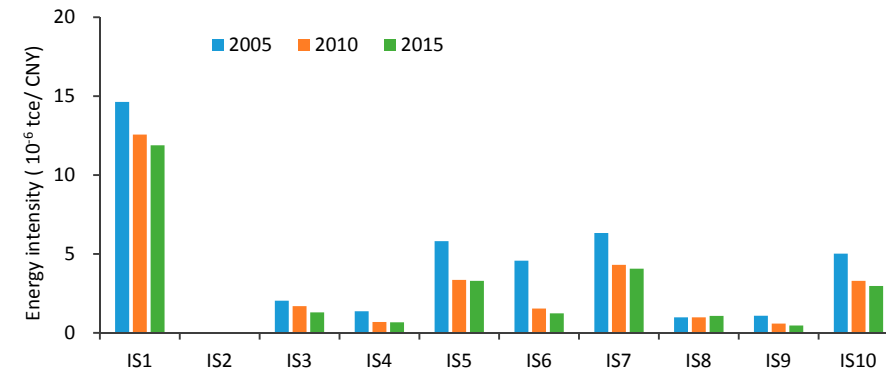
**Figure S3.** Changes in energy intensity of industrial sectors in Beijing.



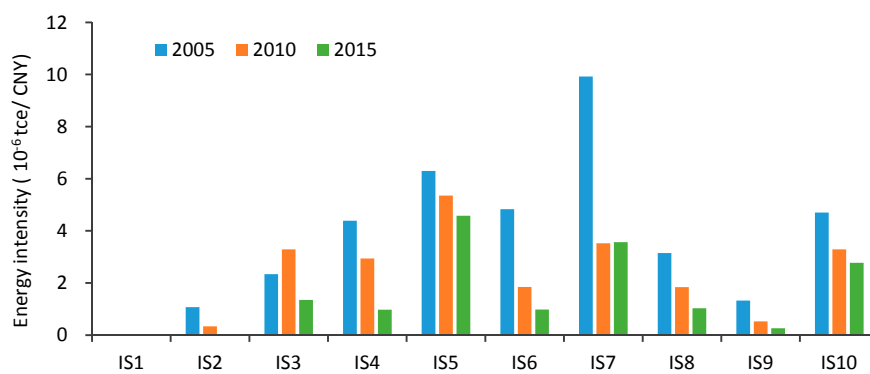
**Figure S4.** Changes in energy intensity of industrial sectors in Tianjin.



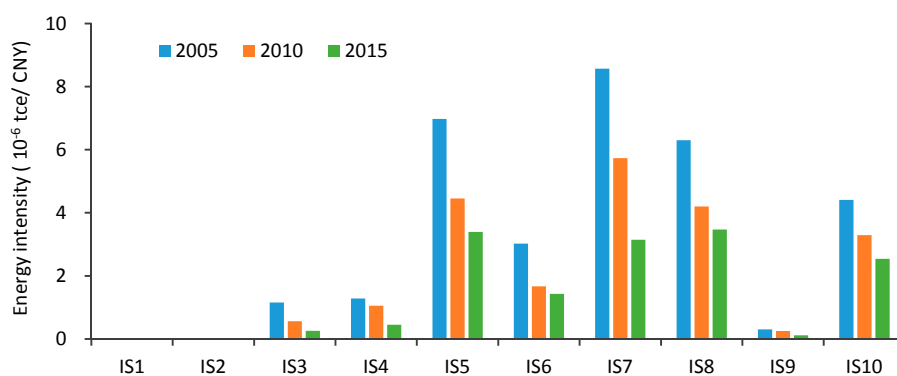
**Figure S5.** Changes in energy intensity of industrial sectors in Hangzhou.



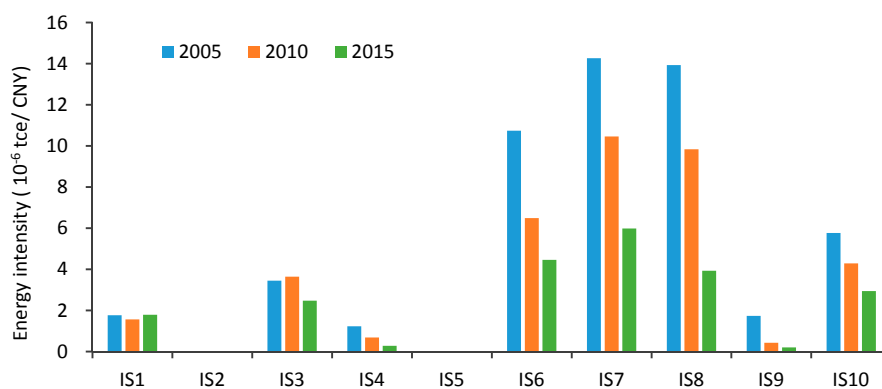
**Figure S6.** Changes in energy intensity of industrial sectors in Shenyang.



**Figure S7.** Changes in energy intensity of industrial sectors in Xi'an.



**Figure S8.** Changes in energy intensity of industrial sectors in Fuzhou.



**Figure S9.** Changes in energy intensity of industrial sectors in Guiyang.