

Evaluation of Process- and Input-Output-based Life Cycle Inventory Data with regard to Truncation and Aggregation Issues

Guillaume Majeau-Bettez, Anders H. Strømman, Edgar G. Hertwich Industrial Ecology Programme

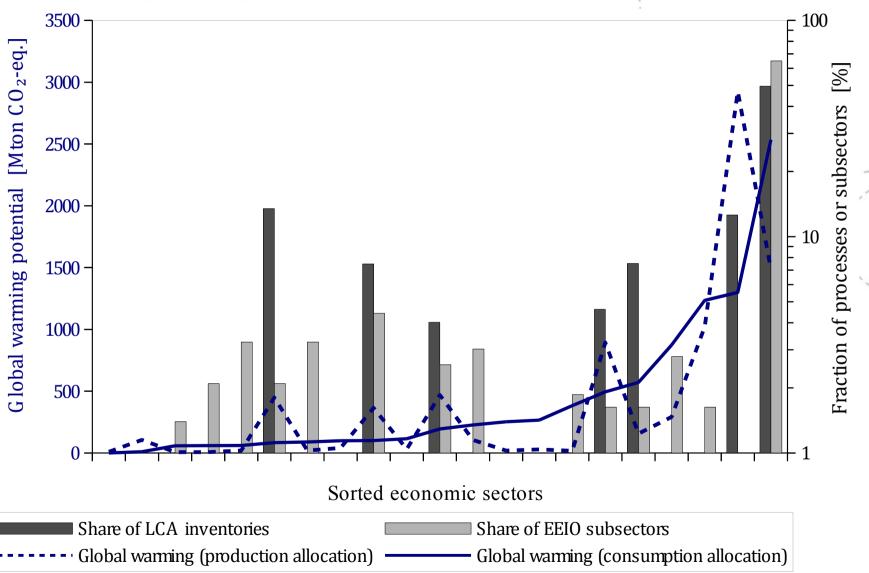
BEA Economic sector	Number of		Ratio
	processes	subsectors	Kauo
51 Information	0	14	0
S0 Government Industries	0	12	0
71 Arts, Entertainment, and Recreation	0	9	0
62 Health Care and Social Assistance	0	8	0
53 Real Estate and Rental and Leasing	0	7	0
52 Finance and Insurance	0	6	0
72 Accommodation and Food Services	0	3	0
61 Educational Services	0	3	0
55 Management of Companies and Enterprises	0	1	0
4A Retail Trade	0	1	0
42 Wholesale Trade	0	1	0
54 Professional, Scientific, and Technical Services	2	14	0.14
81 Other Services (except Public Administration)	20	13	1.5
31,32,33 Manufacturing	1619	279	5.8
11 Agriculture, Forestry, Fishing and Hunting	232	19	12
48,49 Transportation and Warehousing	158	10	16
21 Mining	196	11	18
23 Construction	254	7	36
56 Administrative and Support and Waste Managemen	t 451	9	50
22 Utilities	948	3	320

Inventory Effort Correlations

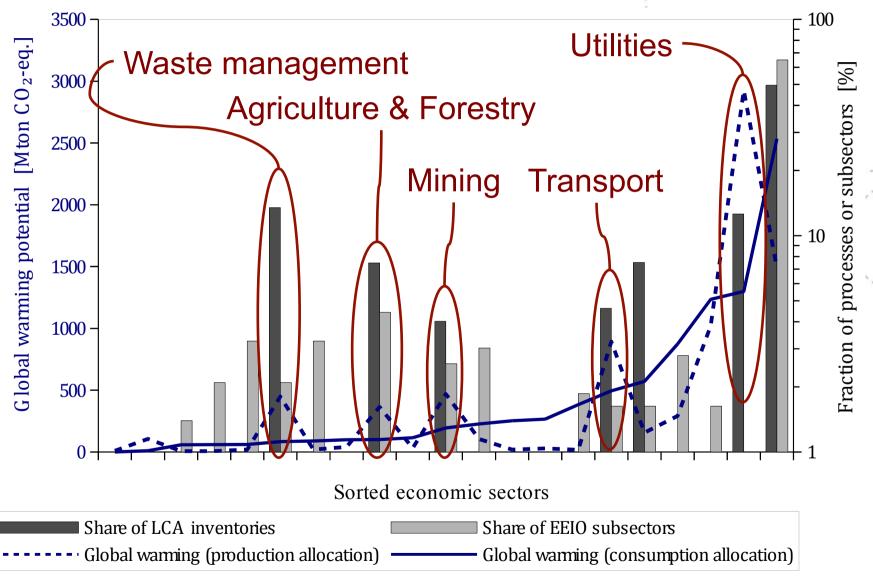
Indicators of importance of economic sector	Coefficients of determination (R2)		
Indicators of importance of economic sector [†]	All countries	One-region World	
Global warming (producer perspective)	0.61	0.07	
Global warming (consumer perspective)	0.52	0.06	
Global warming intensity	0.18	0.09	
Total value added	0.21	5.0×10^{-2}	
Direct backward linkage	5.4x10 ⁻²	2.2×10^{-2}	
Indirect backward linkage	5.0×10^{-2}	2.6×10^{-2}	
Direct forward linkage	5.9×10^{-4}	4.2x10 ⁻⁵	
Indirect forward linkage	$3.4x10^{-4}$	$1.4x10^{-3}$	
†: BEA, US economy in 2002, 6-digit resolution; ♦: 179 degrees of freedom			

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Aggregated Inventory Profiles



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