

**Online Appendix:** Michel, Bernhard and Rycx François, “Productivity gains and spillovers from offshoring”, forthcoming in *Review of International Economics*

## **Appendix A1: List of industries, SUT-code and description**

- 14A Mining and quarrying of stone, sand, clay and chemical and fertilizer materials, production of salt,
- 15A Production, processing and preserving of meat and meat products
- 15B Processing and preserving of fish and fish products
- 15C Processing and preserving of fruit and vegetables
- 15D Manufacture of vegetable and animal oils and fats
- 15E Manufacture of dairy products
- 15F Manufacture of grain mill products, starches and starch products
- 15G Manufacture of prepared animal feeds
- 15H Manufacture of bread, fresh pastry goods, rusks and biscuits
- 15I Manufacture of sugar, chocolate and sugar confectionery
- 15J Manufacture of noodles and similar farinaceous products, processing of tea, coffee and food
- 15K Manufacture of beverages except mineral waters and soft drinks
- 15L Production of mineral waters and soft drinks
- 16A Manufacture of tobacco products
- 17A Preparation and spinning of textile fibres, weaving and finishing of textiles
- 17B Manufacture of made-up textile articles, except apparel, other textiles, and knitted and crocheted
- 18A Manufacture of wearing apparel; dressing and dyeing of fur
- 19A Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear
- 20A Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of
- 21A Manufacture of pulp, paper and paper products
- 22A Publishing
- 22B Printing and service activities related to printing, reproduction of recorded media
- 23A Manufacture of coke, refined petroleum products and nuclear fuel
- 24A Manufacture of basic chemicals
- 24B Manufacture of pesticides and other agro-chemical products
- 24C Manufacture of paints, varnishes and similar coatings, printing ink and mastics
- 24D Manufacture of pharmaceuticals, medicinal chemicals and botanical products
- 24E Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet
- 24F Manufacture of other chemical products
- 24G Manufacture of man-made fibres
- 25A Manufacture of rubber products
- 25B Manufacture of plastic products
- 26A Manufacture of glass and glass products
- 26B Manufacture of ceramic products
- 26C Manufacture of cement, lime and plaster
- 26D Manufacture of articles of concrete, plaster and cement; cutting, shaping and finishing of stone;
- 27A Manufacture of basic iron and steel and of ferro-alloys and tubes
- 27B Other first processing of iron and steel; manufacture of non-ferrous metals; casting of metals
- 28A Manufacture of structural metal products, tanks, reservoirs, containers of metal, central heating
- 28B Treatment and coating of metals; general mechanical engineering
- 28C Manufacture of cutlery, tools, general hardware and other fabricated metal products
- 29A Manufacture of machinery for the production and use of mechanical power, except aircraft and
- 29B Manufacture of other general purpose machinery
- 29C Manufacture of agricultural and forestry machinery and of machine tools
- 29D Manufacture of domestic appliances
- 30A Manufacture of office machinery and computers
- 31A Manufacture of electric motors, generators and transformers, of electricity distribution and control
- 31B Manufacture of accumulators, batteries, lamps, lighting equipment and electrical equipment

32A Manufacture of radio, television and communication equipment and apparatus  
33A Manufacture of medical, precision and optical instruments, watches and clocks  
34A Manufacture of motor vehicles  
34B Manufacture of bodies (coachwork) for motor vehicles, of trailers and parts and accessories for  
35A Building and repairing of ships and boats; manufacture of locomotives and rolling stock, and of  
35B Manufacture of motorcycles and bicycles and other transport equipment n.e.c.  
36A Manufacture of furniture  
36B Manufacture of jewellery and related articles  
36C Manufacture of musical instruments, sports goods, games and toys; miscellaneous manufacturing  
37A Recycling  
45A Site preparation  
45B General construction of buildings and civil engineer works; erection of roof covering and frames  
45C Construction of motorways, roads, airfields, sports facilities and water projects; other construction  
45D Building installation  
45E Building completion; renting of construction or demolition equipment with operator

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50A Sale, maintenance and repair of motor vehicles and motorcycles, parts and accessories  
50B Retail sale of automotive fuel  
51A Wholesale trade and commission trade, except of motor vehicles and motorcycles  
52A Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods  
55A Hotels and other provision of short-stay accommodation  
55B Restaurants, bars, canteens and catering  
60A Transport via railways  
60B Other scheduled passenger land transport; taxi operation; other land passenger transport  
60C Freight transport by road; transport via pipelines  
61A Sea and coastal water transport  
61B Inland water transport  
62A Air transport  
63A Activities of travel agencies and tour operators; tourist assistance activities n.e.c.  
63B Cargo handling and storage, other supporting transport activities; activities of other transport  
64A Post and courier activities  
64B Telecommunications  
65A Financial intermediation, except insurance and pension funding  
66A Insurance and pension funding, except compulsory social security  
67A Activities auxiliary to financial intermediation  
70A Real estate activities  
71A Renting of automobiles and other transport equipment  
71B Renting of machinery and equipment and personal and household goods  
72A Computer and related activities  
73A Research and development  
74A Legal activities, accounting activities; market research and public opinion polling  
74B Business and management consultancy activities; management activities of holding companies  
74C Architectural and engineering activities and related technical consultancy  
74D Advertising  
74E Labour recruitment and provision of personnel  
74F Investigation and security activities; industrial cleaning; miscellaneous business activities n.e.c.  
80A Education (market sector)  
85A Human health activities  
85B Veterinary activities  
85C Social work activities  
91A Activities of membership organisations  
92A Motion picture and video activities; radio and television activities  
92B Other entertainment activities  
92C News agency activities and other cultural activities  
92D Sporting and other recreational activities  
93A Other service activities n.e.c.

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## Appendix A2: Data sources

Variable	Name	Unit	Data source	Splits	References
Y	output	€(mio)	Harmonised SUT (FPB <sup>1</sup> ) based on data from INA <sup>2</sup>		Avonds et al. (2007)
VA	value-added	€(mio)	Harmonised SUT (FPB <sup>1</sup> ) based on data from INA <sup>2</sup>		Avonds et al. (2007)
K	capital stock	€(mio)	Own calculations based on detailed investment data from NBB <sup>3</sup>		Biatour et al. (2007), Michel (2010)
L	labour	hours	Social Accounting matrix (SAM – FPB <sup>1</sup> ) based on INA <sup>2</sup> data	By level of education (high, medium, low) for the number of workers	Bresseleers et al. (2007)
E,M,S	energy, materials, and services inputs	€(mio)	Harmonised SUT (FPB <sup>1</sup> ) based on data from INA <sup>2</sup>	Domestic, imported	Van den Cruyce (2004), Avonds et al. (2007), Michel and Rycx (2012)

Remarks: 1 Federal Planning Bureau

2 Institute for the National Accounts

3 National Bank of Belgium

## References

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- Biatour, Bernadette, Geert Bryon, and Chantal Kegels, “Capital Services and Total Factor Productivity Measurements: Impact of Various Methodologies for Belgium”, Working Paper, No. 3-07, Federal Planning Bureau, Brussels (2007).
- Bresseleers, Vaast, Koen Hendrickx, Bart Hertveldt, Bart Van den Cruyce, and Johan Wera, “Kwalitatieve werkgelegenheidsdata voor België, een SAM-aanpak voor de periode 1999-2005”, Working Paper No. 2-07, Federal Planning Bureau, Brussels (2007).
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- Michel, Bernhard and François Rycx, “Does Offshoring of Materials and Business Services Affect Employment? Evidence for a Small Open Economy,” *Applied Economics* 44 (2012): 229-52
- Van den Cruyce, Bart, “Use Tables for Imported Goods and Valuation Matrices for Trade Margins - An Integrated Approach for the Compilation of the Belgian 1995 Input-output Tables,” *Economic Systems Research* 16 (2004): 33-61.