

Tableau 1. Example of an Input-output Matrix for Belgium in the year 2000. This table shows the total value added (column "Total" just after column n° 12 and row "Value added") which allows to calculate GNP. Source : OECD (2006a)

Year: 2000 Type: Industry-by-industry symmetric, total Price Valuation: Basic price Currency: Mill. EUR

Belgium

	Intermediate												Final consumption		Gross fixed capital formation	Changes in inventories	Exports	Imports	Discrepancy			
	1 Primary	2 Other manuf.	3 Material manuf.	4 Machinery manuf.	5 Utility	6 Construction	7 Trade, hotels and restaurants	8 Transport and communications	9 Finance, insurance and real estates	10 Business services	11 Personal services	12 Private households	Total	by household						by non-profit org serving households	by government	
1 Primary (1-14)	63	7122.4	8320.2	370	260.8	460.4	804.3	7.5	22.0	32.0	191.5	0.0	17754.4	1781.3	0.0	0.1	73.8	244.8	0.0	9315.2	20900.0	0.0
2 Other manufacturing (15-20, 36-37)	11.5	11066.5	1323.8	777.3	28.3	1446.6	4306.2	314.5	78.0	327.8	1139.1	0.0	22264.6	16300.0	0.2	12.9	1430.0	88.5	0.0	31192.9	28069.1	0.0
3 Material manufacturing (21-28)	1.1	4990.1	36079.5	5641.4	395.3	6413.9	7345.3	2946.3	550.0	3706.3	3396.9	0.0	72166.1	6251.7	18.1	915.4	1894.2	261.2	0.0	68734.1	59447.7	0.0
4 Machinery manufacturing (29-35)	8.5	254.3	994.7	17265.4	773.4	1538.0	2649.5	1345.6	197.8	841.5	830.1	0.0	27018.8	7399.8	11.9	66.3	17226.8	237.2	0.0	48699.1	58089.1	0.0
5 Utility (40-41)	12.3	746.1	2464.4	318.2	1311.7	171.6	1118.2	490.1	310.1	391.8	915.0	0.0	8499.6	3761.5	0.0	0.4	118.7	4.8	0.0	869.5	2631.9	0.0
6 Construction (45)	12.3	161.7	734.7	220.7	469.4	7684.5	2433.5	1256.9	3312.7	341.0	1663.4	0.0	18290.8	183.2	0.1	6.6	16801.9	-0.8	0.0	1191.6	417.9	0.0
7 Trade, hotels and restaurants (50-55)	767.2	3743.3	6290.8	2928.6	355.6	3979.1	4740.2	3100.7	557.7	3288.8	2016.6	0.0	31524.1	24940.5	17.2	771.2	4273.7	381.7	0.0	16755.8	3563.0	0.0
8 Transport and communications (60-64)	128.6	1811.0	4175.0	1407.2	202.8	852.2	5291.7	12223.8	1270.6	2929.0	1232.5	0.0	30757.3	7727.4	0.3	20.3	483.0	-1.0	0.0	14124.5	9560.5	0.0
9 Finance, insurance and real estates (65-70)	177.8	880.4	1481.1	756.5	321.2	1245.7	4313.8	1732.5	9818.1	3355.3	2807.8	0.0	26890.3	23899.2	18.1	69.5	1036.8	0.3	0.0	2521.3	2798.1	0.0
10 Business services (71-74)	203.9	2451.1	5402.2	2657.3	683.7	1872.5	10978.9	4467.0	3761.1	13850.1	3492.7	0.0	49104.0	1664.5	123.6	160.4	3211.3	10.6	0.0	11483.9	9916.0	0.0
11 Personal services (80-93)	236.5	311.3	689.1	258.4	35.2	260.7	824.7	283.7	169.7	1402.6	4808.6	0.0	9260.4	12897.5	3020.9	30171.8	151.6	-0.3	0.0	1043.5	825.8	0.0
12 Private households and extra-territorial org. (95-99)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1199.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SBFD including Other Adjustments (Purchases on the domestic territory by non-residents)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5761.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-comparable imports (cif/fob adj. Direct purchases abroad by residents)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8179.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intermediate consumption / final use at basic prices	4755.0	33528.3	68060.6	3207.9	4873.3	24925.1	44806.4	28148.6	20047.8	30466.1	22494.1	0.0	314337.3	-115454.4	3210.3	52195.0	46701.7	1226.9	0.0	211693.1	196219.0	0.0
Net taxes on products	74.0	147.1	176.8	76.6	7.3	192.4	635.4	1371.6	820.8	302.9	1800.6	0.0	505.6	1524.7	4.3	151.7	5924.3	-68.6	0.0	305.2	0.0	0.0
Intermediate consumption / final use at purchasers prices	4829.1	33675.4	68237.4	4944.6	4884.6	25117.5	45441.8	29520.1	20868.6	30769.0	24094.8	0.0	318942.0	130979.1	3214.6	52346.7	52636.0	1138.3	0.0	211993.3	196219.0	0.0
Value Added	3440.5	9774.5	22555.6	10262.2	5781.1	10938.0	28893.0	14798.0	35768.7	25879.8	31425.0	1199.7	220477.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross Operating Surplus (=net operating surplus + depreciation of fix capital)	2900.9	3567.5	8622.0	2882.9	3392.1	4421.2	12256.6	4644.5	25038.3	12923.9	9765.9	0.0	90655.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compensation of Employees	536.3	5849.6	13672.3	7313.6	2088.2	6995.8	16257.7	10126.9	8540.1	13034.2	41827.6	1199.7	126838.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net taxes on production	33	157.5	261.2	29.7	91.8	121.0	382.7	26.6	2170.2	78.3	-168.5	0.0	3003.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Industry-Output	8269.6	43250.0	90793.0	42570.8	10622.7	36055.3	74334.8	44318.1	56657.3	56468.8	75719.8	1199.7	540420.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Authors : Mateo Cordier and Walter Hecq (2007). Centre d'Etudes Economiques et Sociales de l'ULB (CEESE-ULB).

Legend (based on OECD, 2006):



- = **First quadrant** : Domestic intermediate demand matrix that provides data on the interactions between domestic suppliers and domestic users of domestically produced raw materials, industrial components and services. It is a square matrix of an equal number of supplying and user industries.
- = **Second quadrant** : rows showing the adjustments required to derive *total* intermediate inputs used in production *at purchaser's prices*. These include imports of intermediate goods and services; any taxes less subsidies (net taxes) on intermediate products; and any VAT and import duties paid on intermediate products.
- = **Third quadrant** : rows that make up added value (at basic prices) such as wages and salaries and gross operating surplus.
- = **Fourth quadrant** : supplies of goods that are not consumed by domestic industries. The columns therefore include such categories as final consumption (both by households and general government), gross fixed capital formation (investment) and exports.
- = **Fifth quadrant** imported goods for final use, and the required taxes less subsidies associated with transactions in these products (and those shown in quadrant 4) can be added to quadrant 4 to provide total final use *at purchaser's prices* (quadrant 5)

REFERENCES :

- **OECD (Organization for Economic Co-operation and Development), 2006**. *Input-output analysis in an increasingly globalised world: applications of OECD's harmonized international tables*. STI/Working paper 2006/7. Statistical analysis of Science, Technology and Industry. 31st August. pp. 12-14. Available on Internet : <http://www.oecd.org/dataoecd/6/34/37349386.pdf>
- **OECD (Organisation for Economic Co-operation and Development), 2006a**. *The OECD Input-output database : 2006 edition*. STI/Working paper 2006/8. Statistical analysis of Science, Technology and Industry. Available on Internet : <http://www.oecd.org/sti/working-papers>