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# Supply & Use Tables & Input-Output Tables

*User guide*

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Providing details of what lies behind the national accounts main aggregates



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## *User guide*

providing details on the tables  
structure, repetition, multipliers,  
consistency with the N.I.E.  
& insights for economic analysis

Also see accompanying **‘Explanatory note’**

Providing details of what lies behind the national accounts main aggregates



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## Introduction

- Why?
  - Legal obligations under European System of Accounts (ESA)2010
- What?
  - ESA tables 1500 & 1600 (Supply & Use – both annual)
  - ESA tables 1610, 1611, 1612, 1620, 1630 (Intermediate tables every five years for reference years ending in 0 or 5)
  - ESA tables 1700, 1800 & 1900 (Input-Output – every five years for reference years ending in 0 or 5)
  - ESA tables 1500 & 1600 in PYP – From 2018 also legal requirement for constant price (PYP) Supply & Use tables
- When?
  - All by end of year N+3 (i.e. 2015 tables by end 2018)



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Supply &  
Use tables

Intermediate  
tables

Input-Output  
tables

Leontief  
tables

PYP Supply  
& Use tables



Table 1

2015 Supply Table at basic prices €m

## Supply Table – Table 1

NACE Products	Industries							
	1-3	5-9	10	11-12	13	14	15	
	Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	
1-3 Agriculture, forestry and fishing	8,456	-	-	-	-	-	-	
5-9 Mining, quarrying and extraction	-	763	-	-	-	-	-	
10 Manufacture of food products	6	0	20,549	54	-	-	-	
11-12 Manufacture of beverages and tobacco products	-	-	8	3,059	-	-	-	
13 Manufacture of textiles	-	-	-	-	229	1	-	
14 Manufacture of wearing apparel	-	-	-	-	5	81	-	
15 Manufacture of leather and related products	-	-	-	-	-	0	34	
16 Manufacture of wood and wood products (excluding furniture)	7	-	-	-	2	-	-	
17 Manufacture of pulp, paper and paper products	-	-	-	-	-	-	-	
18 Printing and reproduction of recorded media	-	-	-	-	-	-	-	
19,21,26,28,31,32 Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	-	-	0	-	0	0	-	
20 Manufacture of chemicals and chemical products	-	0	2,397	128	12	-	-	
22 Manufacture of rubber and plastic products	-	-	-	-	0	0	2	
23 Manufacture of other non-metallic mineral products	-	148	-	-	0	-	-	
24 Manufacture of basic metals	-	-	-	-	-	-	-	
25 Manufacture of fabricated metal products	-	-	-	-	1	-	-	
27 Manufacture of electrical equipment	-	-	-	-	-	-	-	
29-30 Manufacture of motor vehicles, trailers, other transport equipment	-	-	-	-	-	-	-	
33 Repair and installation of machinery and equipment	-	-	-	2	2	-	-	
35 Electricity and gas supply	5	-	-	-	-	-	-	
36 Water collection, treatment and supply	-	-	-	-	-	-	-	
37-39 Sewerage, waste collection and remediation services	-	-	-	-	-	-	-	
41-43 Construction and construction works	30	-	-	-	-	-	-	
45 Wholesale and retail trade and repair of vehicles	-	-	-	-	-	-	-	
46 Wholesale trade	-	3	149	106	9	2	-	
47 Retail trade	-	-	-	-	-	-	-	
49 Land transport services	-	-	-	-	-	-	-	
50 Water transport services	-	-	-	-	-	-	-	
51 Air transport services	-	-	-	-	-	-	-	
52 Warehousing	-	-	-	-	-	-	-	
53 Postal and courier services	-	-	-	-	-	-	-	
55 Accommodation services	-	-	-	-	-	-	-	
56 Food and beverage services	14	-	-	-	-	-	-	
58-60 Publishing, film and broadcasting services	-	-	18	-	-	-	-	
61 Telecommunications services	-	-	-	-	-	-	-	
62-63 Computer programming, consultancy and data processing	-	-	38	-	-	-	-	
64 Financial service activities	-	-	-	-	-	-	-	
65 Insurance, reinsurance and pension funding	-	-	-	-	-	-	-	
66 Other financial activities	-	-	-	-	-	-	-	
68 Real estate activities	-	-	-	-	-	-	-	
69 Legal and accounting activities	-	-	-	-	-	-	-	
70 Head office and management consultancy activities	-	-	-	-	-	-	-	
71 Architectural and engineering services	-	-	-	-	-	-	-	
72 Scientific research and development services	-	-	109	-	-	-	-	
73-75 Advertising, market research, other professional & scientific services	-	-	141	12	-	-	-	
77 Rental and leasing activities	-	-	360	50	-	-	-	
78 Employment services	-	-	-	-	-	-	-	
79 Travel agency and tourism service activities	-	-	-	-	-	-	-	
80-82 Security, office and business support activities	-	-	-	-	-	-	-	
84 Public administration	-	-	-	-	-	-	-	
85 Education services	-	-	-	-	-	-	-	
86-88 Human health and social work activities	-	-	-	-	-	-	-	
90-92 Cultural, arts and gambling activities	2	-	-	-	-	-	-	
93 Recreation and sports activities	9	-	-	-	-	-	-	
94 Membership organisation services	-	-	-	-	-	-	-	
95 Repair of consumer goods	-	-	-	-	-	-	-	
96 Other personal service activities	-	-	-	-	-	-	-	
97 Private households with employed persons	-	-	-	-	-	-	-	
Total output by industry (= last row of Table 2)	8,530	914	23,770	3,411	260	84	36	

Total Output by industry

Table 2

2015 Use Table at purchasers' prices €m

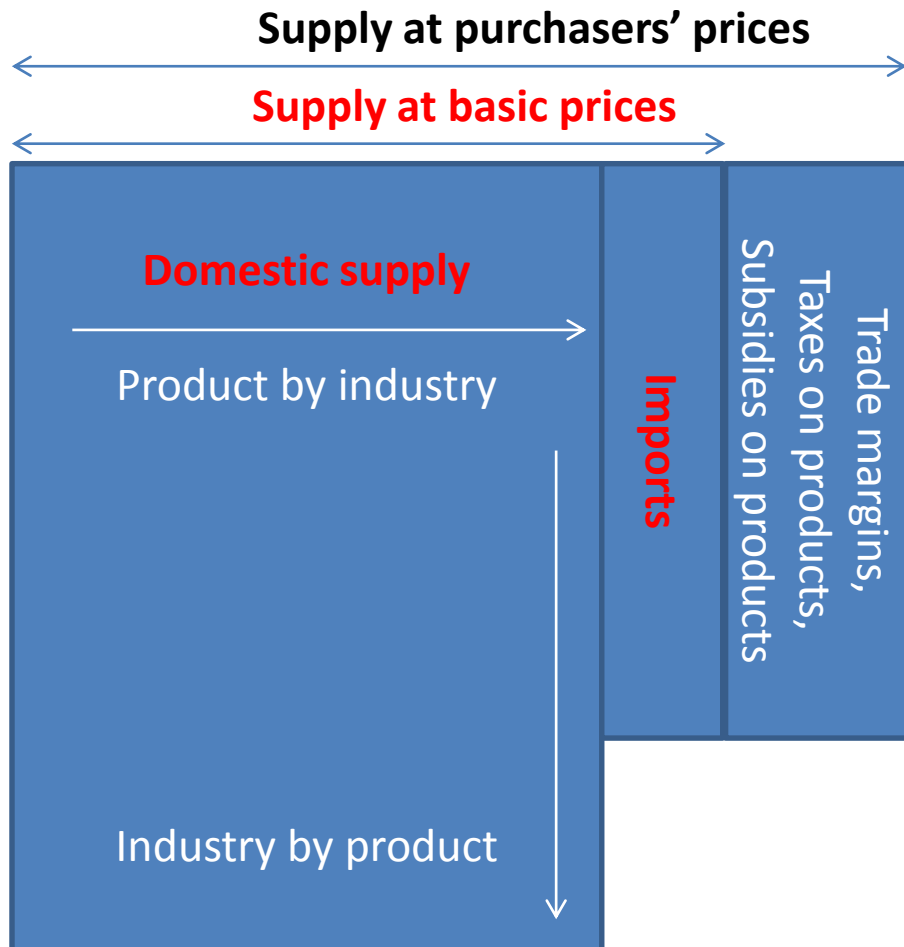
## Use Table – Table 2

NACE Products	Industries							
	1-3	5-9	10	11-12	13	14	15	
	Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	
1-3 Agriculture, forestry and fishing	2,012	0	4,664	559	0	-	0	
5-9 Mining, quarrying and extraction	62	135	53	14	0	0	-	
10 Manufacture of food products	1,745	-	5,702	-	0	-	-	
11-12 Manufacture of beverages and tobacco products	3	0	-	371	0	-	-	
13 Manufacture of textiles	13	0	0	0	74	14	3	
14 Manufacture of wearing apparel	3	0	0	0	0	2	-	
15 Manufacture of leather and related products	1	0	0	0	0	-	10	
16 Manufacture of wood and wood products (excluding furniture)	3	0	18	2	0	0	-	
17 Manufacture of pulp, paper and paper products	7	0	228	23	2	1	0	
18 Printing and reproduction of recorded media	3	0	4	0	0	0	0	
19,21,26,28,31,32 Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	517	51	318	21	3	0	0	
20 Manufacture of chemicals and chemical products	531	23	328	31	24	1	0	
22 Manufacture of rubber and plastic products	29	1	286	8	0	0	0	
23 Manufacture of other non-metallic mineral products	11	22	33	3	0	-	-	
24 Manufacture of basic metals	10	2	87	8	0	0	0	
25 Manufacture of fabricated metal products	19	11	88	8	1	0	0	
27 Manufacture of electrical equipment	7	1	49	3	0	0	0	
29-30 Manufacture of motor vehicles, trailers, other transport equipment	19	16	1	0	0	0	-	
33 Repair and installation of machinery and equipment	174	3	15	1	0	0	0	
35 Electricity and gas supply	246	72	206	24	3	0	0	
36 Water collection, treatment and supply	6	0	8	5	0	0	0	
37-39 Sewerage, waste collection and remediation services	6	1	25	4	0	0	0	
41-43 Construction and construction works	60	16	55	23	1	0	0	
45 Wholesale and retail trade and repair of vehicles	35	1	16	3	0	0	0	
46 Wholesale trade	22	-	1,054	38	-	-	-	
47 Retail trade	20	-	5	10	5	-	-	
49 Land transport services	22	22	182	28	3	1	1	
50 Water transport services	7	1	34	3	0	0	0	
51 Air transport services	1	8	112	61	2	0	0	
52 Warehousing	5	0	54	2	0	0	0	
53 Postal and courier services	4	-	10	-	-	-	-	
55 Accommodation services	1	2	19	5	1	0	0	
56 Food and beverage services	3	4	20	11	2	0	0	
58-60 Publishing, film and broadcasting services	4	15	105	47	4	1	0	
61 Telecommunications services	45	6	75	20	2	0	0	
62-63 Computer programming, consultancy and data processing	4	0	72	0	0	-	-	
64 Financial service activities	139	12	133	35	6	1	1	
65 Insurance, reinsurance and pension funding	65	8	92	24	4	1	0	
66 Other financial activities	0	4	33	9	1	0	0	
68 Real estate activities	6	1	6	3	1	0	0	
69 Legal and accounting activities	32	3	35	8	1	0	0	
70 Head office and management consultancy activities	1	8	294	14	2	1	0	
71 Architectural and engineering services	2	2	10	7	1	0	0	
72 Scientific research and development services	17	10	81	62	2	1	0	
73-75 Advertising, market research, other professional & scientific services	88	21	936	314	2	2	0	
77 Rental and leasing activities	30	30	551	239	4	1	0	
78 Employment services	3	0	25	8	6	0	-	
79 Travel agency and tourism service activities	3	1	5	3	1	0	0	
80-82 Security, office and business support activities	3	2	20	5	1	0	0	
84 Public administration	3	-	-	-	-	-	-	
85 Education services	1	-	-	-	-	-	-	
86-88 Human health and social work activities	0	-	-	-	-	-	-	
90-92 Cultural, arts and gambling activities	1	1	8	2	0	0	0	
93 Recreation and sports activities	2	1	7	2	0	0	0	
94 Membership organisation services	20	1	9	2	0	0	0	
95 Repair of consumer goods	0	0	1	0	0	0	0	
96 Other personal service activities	7	1	4	2	0	0	0	
97 Private households with employed persons	-	-	-	-	-	-	-	
Total intermediate consumption	6,080	517	16,180	2,078	163	30	18	
Compensation of Employees	655	305	1,756	233	58	20	5	
Operating surplus, net	4,912	-288	5,251	1,008	16	11	5	
Consumption of fixed capital	856	361	463	89	18	12	6	
Net taxes (taxes less subsidies) on production	-1,573	19	120	3	5	10	1	
Gross value added at basic prices	2,450	397	7,590	1,332	97	54	17	
Output at basic prices (= last row of Table 1)	8,530	914	23,770	3,411	260	84	36	

Total Intermediate consumption &amp; GVA by industry



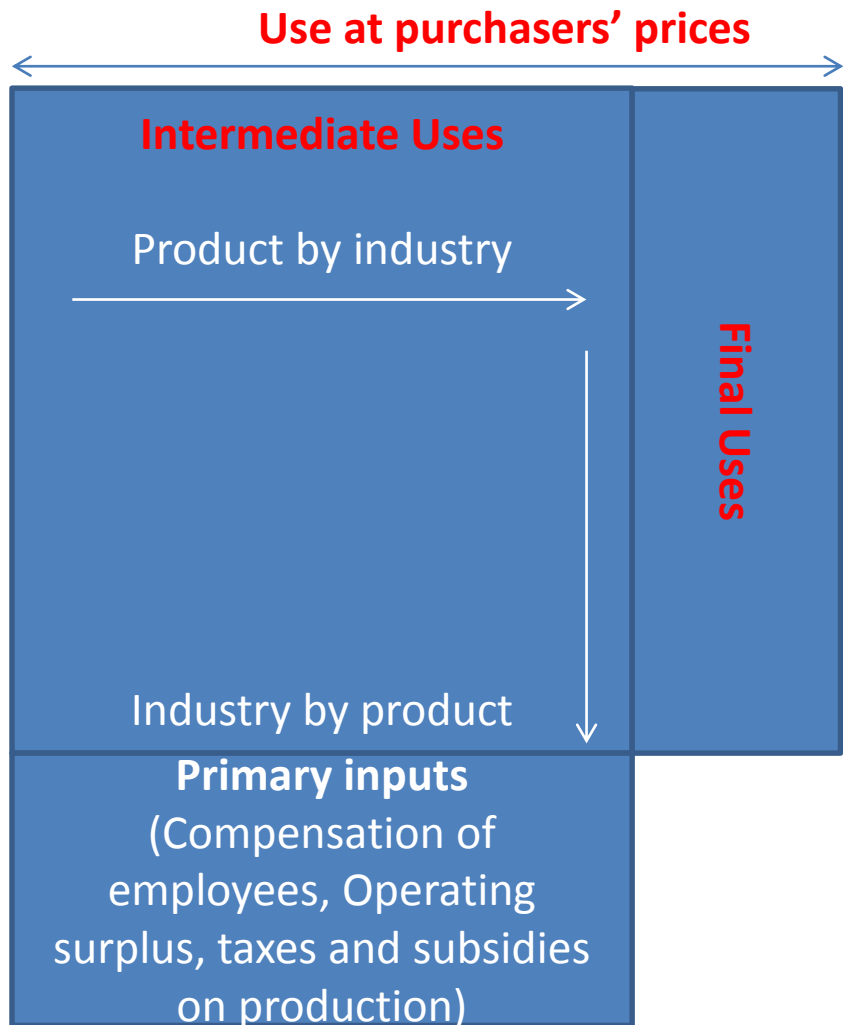
# Overview of Table structure - Supply table



- In essence the **Supply table** is composed of **three blocs**
- 1) Domestic supply by industry and product – ***Output method***
- 2) Imports ( $1+2=\text{Supply at basic prices}$ )
- 3) Trade margins, taxes and subsidies on products ( $1+2+3=\text{Supply at purchasers' prices}$ )



## Overview of Table structure - Use table



- In essence the **Use table** is composed of **three blocs**
- 1) Intermediate uses (of both domestic & imported products) – ***Output method***
- 2) Final uses (including personal, government consumption, capital formation) – ***Expenditure method***
- 3) Primary inputs (compensation of employees, net operating surplus, consumption of fixed capital, taxes and subsidies on production) – ***Income method***<sup>11</sup>

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## **Consistency with NIE using 3 GDP methods**

- Detailed figures lying behind the national accounts estimates can be found in the annual National Income and Expenditure (N.I.E.) publication.
- The 2015 Supply & Use Tables are consistent with 2015 main aggregates and sub-aggregates found in the NIE17 which was published in 2018.
- We will examine this consistency using the three methods of calculating GDP as a guide.

# 2015 Supply Table – Table 1 (published 2018)

Industries		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	Total supply at purchasers' prices (= total use in Table 2)
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,777
13	Manufacture of textiles	273	481	210	88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
15	Manufacture of leather and related products	35	609	100	121	-	864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18	Printing and reproduction of recorded media	1,011	204	822	55	-	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,781
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,291
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,934
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-	2,610
24	Manufacture of basic metals	830	1,335	497	1	-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
33	Repair and installation of machinery and equipment	1,119	-	19	18	-	1,156
35	Electricity and gas supply	6,225	74	58	385	-	6,742
36	Water collection, treatment and supply	267	-	3	121	-	391
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-	1,816
41-43	Construction and construction works	17,418	-	-	2,342	-	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,221
46	Wholesale trade	33,558	27,277	-18,683	23	-	42,176
47	Retail trade	10,748	-	-10,492	10	-	267
49	Land transport services	4,571	169	-	30	-76	4,694
50	Water transport services	593	180	-	0	-	773
51	Air transport services	5,280	1,130	-	2	-	6,412
52	Warehousing	2,302	63	-	3	-19	2,349
53	Postal and courier services	1,467	411	-	62	-	1,940
55	Accommodation services	1,770	1,285	-	316	-	3,371
56	Food and beverage services	5,427	115	-	1,088	-	6,630
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,952
61	Telecommunications services	3,823	1,087	-	370	-	5,280
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-	60,282
64	Financial service activities	21,214	11,159	-	96	-	32,469
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
66	Other financial activities	6,650	591	-	463	-	7,703
68	Real estate activities	19,402	-	-	213	-	19,615
69	Legal and accounting activities	5,437	63	-	314	-3	5,811
70	Head office and management consultancy activities	4,073	1,520	-	27	-	5,621
71	Architectural and engineering services	2,151	69	-	11	-	2,231
72	Scientific research and development services	3,786	27,077	-	0	-	30,863
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-	23,224
77	Rental and leasing activities	20,354	63,903	-	456	-	84,713
78	Employment services	1,710	-	-	18	-	1,728
79	Travel agency and tourism service activities	548	-	-	45	-	593
80-82	Security, office and business support activities	3,354	-	-	44	-	3,397
84	Public administration	12,946	28	-	31	-	13,005
85	Education services	10,384	-	-	4	-385	10,003
86-88	Human health and social work activities	18,351	16	-	7	-364	18,009
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-	1,664
93	Recreation and sports activities	1,143	54	-	43	-	1,241
94	Membership organisation services	2,263	-	-	1	-	2,264
95	Repair of consumer goods	182	-	-	14	-	196
96	Other personal service activities	1,510	25	-	130	-	1,665
97	Private households with employed persons	53	-	-	-	-	53
Total output by industry (= last row of Table 2)		521,486	40,280	0	19,764	-893	780,638
			-206	Cif/job adjustments on imports			-206
			4,812	Expenditure outside the State			4,812
			244,886	Imports f.o.b. per NIE		Total	785,243

In the **Output method** of GDP calculation, Gross Value Added = Total domestic Output (from the Supply table) - Total intermediate consumption (from the Use table). Total domestic **Output** of all industries & products was **€521,486 million** in the Supply Table (Table 1 of the 2018 publication).

Total domestic Output = €521,486 million (in Supply Table)

Table 2

2015 Use Table at purchasers' prices €m

# Use Table – Table 2

		Industries							Total Final uses	Total uses (= total supply in Table 1)
		Total inter-industry	Final consumption of households excl. gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19, 21, 26, 28, 31, 32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	36,291	46,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		678	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,498	-	-	-	-	-	-	-	-

Using the **Output method** of GDP calculation, Gross Value Added = Total domestic Output (from the Supply table) minus total intermediate consumption (from the Use table).

For 2015, we can calculate GVA at basic prices as:  
**Output €521.486 billion** –  
**Intermediate consumption €277.891 billion = €243.595 billion**

In Table 3 of the NIE, we see **Item 51** (GVA at basic prices) is **€243.595 billion** as in Use table.

Available by **industry**: e.g. NACE 1-3 industry GVA = **€8.530 billion**  
**– €6.080 billion = €2.450 billion**

GVA by the Output method = Output (Supply table) – Intermediate consumption (Use table)

# NIE2017 Table 3 (published July 2018)

Table 3 Gross Value Added at Basic Prices by Sector of Origin and Gross National Income at Current Market Prices							
(Note the sectors here are based on NACE Rev. 2 A10 breakdown. For further details see the methodology notes)							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,765</b>	<b>243,595</b>	<b>253,101</b>	<b>273,174</b>
52. Product taxes	D.21	16,341	16,996	18,509	18,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>56. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>
<sup>1</sup> Preliminary							

Gross Value Added  
at basic prices  
(GVA)

=

NIE Item 51

=

€243,595 million in  
2015

=

Output method  
Output €521.486  
billion –

Intermediate  
consumption

€277.891 billion

= €243.595 billion



## Consistency with NIE - GVA and GDP

- The 2015 difference between GVA at basic prices **€243.595 billion** and GDP **€262.466 billion** is the addition of product taxes **€19.764 billion** and subtraction of product subsidies **€0.893 billion**

# NIE2017 Table 3 (published July 2018)

Table 3 Gross Value Added at Basic Prices by Sector of Origin and Gross National Income at Current Market Prices							
(Note the sectors here are based on NACE Rev. 2 A10 breakdown. For further details see the methodology notes)							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,765</b>	<b>243,595</b>	<b>253,101</b>	<b>273,174</b>
52. Product taxes	D.21	16,341	16,996	18,509	19,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>56. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

Gross Value Added  
at basic prices (GVA)

= NIE Item 51 =

€243,595 million in  
2015 plus  
Product taxes

= NIE Item 52 =

€19,764 million  
minus  
Product subsidies

= NIE Item 53 =

€0.893 billion

=

Gross domestic  
product (GDP)

= NIE Item 54 =

€262.466 billion

# 2015 Supply Table – Table 1 (published 2018)

	Industries						
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	Total supply at purchasers' prices (= total use in Table 2)
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,777
13	Manufacture of textiles	273	481	210	88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
15	Manufacture of leather and related products	35	609	100	121	-	864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18	Printing and reproduction of recorded media	1,011	204	822	55	-	2,092
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,						
26,28,	electronic & optical products, machinery and equipment n.e.c.,						
31,32	furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,781
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,291
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,934
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-	2,610
24	Manufacture of basic metals	830	1,335	497	1	-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
33	Repair and installation of machinery and equipment	1,119	-	19	18	-	1,156
35	Electricity and gas supply	6,225	74	58	385	-	6,742
36	Water collection, treatment and supply	267	-	3	121	-	391
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-	1,816
41-43	Construction and construction works	17,418	-	-	2,342	-	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,221
46	Wholesale trade	33,558	27,277	-18,683	23	-	42,176
47	Retail trade	10,748	-	-10,492	10	-	267
49	Land transport services	4,571	169	-	30	-76	4,694
50	Water transport services	593	180	-	0	-	773
51	Air transport services	5,280	1,130	-	2	-	6,412
52	Warehousing	2,302	63	-	3	-19	2,349
53	Postal and courier services	1,467	411	-	62	-	1,940
55	Accommodation services	1,770	1,285	-	316	-	3,371
56	Food and beverage services	5,427	115	-	1,088	-	6,630
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,952
61	Telecommunications services	3,823	1,087	-	370	-	5,280
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-	60,282
64	Financial service activities	21,214	11,159	-	96	-	32,469
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
66	Other financial activities	6,650	591	-	463	-	7,703
68	Real estate activities	19,402	-	-	213	-	19,615
69	Legal and accounting activities	5,437	63	-	314	-3	5,811
70	Head office and management consultancy activities	4,073	1,520	-	27	-	5,621
71	Architectural and engineering services	2,151	69	-	11	-	2,231
72	Scientific research and development services	3,786	27,077	-	0	-	30,863
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-	23,224
77	Rental and leasing activities	20,354	63,903	-	456	-	84,713
78	Employment services	1,710	-	-	18	-	1,728
79	Travel agency and tourism service activities	548	-	-	45	-	593
80-82	Security, office and business support activities	3,354	-	-	44	-	3,397
84	Public administration	12,946	28	-	31	-	13,005
85	Education services	10,384	-	-	4	-385	10,003
86-88	Human health and social work activities	18,351	16	-	7	-364	18,009
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-	1,664
93	Recreation and sports activities	1,143	54	-	43	-	1,241
94	Membership organisation services	2,263	-	-	1	-	2,264
95	Repair of consumer goods	182	-	-	14	-	196
96	Other personal service activities	1,510	25	-	139	-	1,665
97	Private households with employed persons	53	-	-	-	-	53
Total output by industry (= last row of Table 2)		521,486	240,280	0	19,764	-893	780,638
			-206	Cif/job adjustments on imports			-206
			4,812	Expenditure outside the state			4,812
			244,886	Imports f.o.b. per NIE		Total	785,243

These product taxes of **€19.764 billion** and product subsidies of **€0.893 billion** are in the Supply table – when we transformed total Supply of a product at basic prices to total Supply of a product at purchasers' prices – and move from GVA at basic prices to GDP at market prices.

Taxes and subsidies on products (to go from GVA to GDP)

# 2015 Use Table – Table 2 (published 2018)

		Industries							Total Final uses (= total supply in Table 1)
		Total inter-industry	Final consumption of households and government transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	
NACE	Products								
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598
13	Manufacture of textiles	309	392	-	-	54	24	272	743
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842
47	Retail trade	159	88	-	-	21	-	-	108
49	Land transport services	2,188	2,103	-	248	0	154	2,506	4,694
50	Water transport services	399	97	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	50	378	2,349
53	Postal and courier services	994	396	-	-	0	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882
78	Employment services	1,670	56	-	-	2	-	-	58
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244
84	Public administration	1,399	508	-	10,745	317	-	36	11,606
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244
93	Recreation and sports activities	502	551	-	-	0	-	188	738
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693
95	Repair of consumer goods	150	45	-	-	0	-	-	45
96	Other personal service activities	702	963	-	-	0	-	-	963
97	Private households with employed persons	-	53	-	-	-	-	-	53
Total intermediate consumption		227,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746
Compensation of Employees		77,649	-	-	-	-	-	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812
Consumption of fixed capital		56,499	3,640	-	-	-	-	3,640	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-

Using the **Income method** of GDP calculation, Gross Value Added = Compensation of employees + Net operating surplus + Consumption of fixed capital + Taxes on production – Subsidies on production

For 2015, we see that total GVA at basic prices in the Use table is COE **€77.649 billion** + NOS **€108.771 billion** + CFC **€56.499 billion** + net taxes **€0.676 billion** = **€243.595 billion** Gross Value Added

In Table 3 of the NIE, we see that **Item 51** is GVA at basic prices is **€243.595 billion** as in the Use table.

Again a detailed split of this total is available by industry in the Use table.

GVA (GDP) by Income method = COE+NOS+CFC+Net taxes on production (+Net product taxes)

# NIE2017 Table 1 (published July 2018)

Table 1 Net Value Added at Factor Cost and Net National Income at Market Prices

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
<b>Value added from agriculture, forestry and fishing</b>	<b>(B.1n-D.29+D.39)</b>	<b>2,881</b>	<b>2,913</b>	<b>3,178</b>	<b>3,207</b>	<b>3,282</b>	<b>4,167</b>
1. Income from self-employment and other trading income	B.3n	2,274	2,289	2,534	2,553	2,605	3,473
Remuneration of employees:	D.1						
2. Wages and salaries	D.11	510	520	537	541	560	575
3. Employers' social contribution	D.12	97	104	106	113	117	120
<b>Non-agricultural value added</b>	<b>(B.1n-D.29+D.39)</b>	<b>130,525</b>	<b>135,107</b>	<b>146,560</b>	<b>185,200</b>	<b>187,328</b>	<b>198,968</b>
Profits and self employed earnings:							
4. Domestic trading profits of companies (including corporate bodies) before tax	B.2n	47,351	49,993	58,454	91,990	86,804	94,761
5. Self employed earnings	B.3n	6,822	6,974	7,192	7,528	7,564	7,722
of which:							
5(a) Withdrawals from quasi-corporations <sup>2</sup>	D.422	744	749	811	965	964	1,092
6. Adjustment for stock appreciation	B.2n	493	653	365	-416	1,076	-43
7. Rent of dwellings (actual and imputed)	B.2n	7,615	7,743	8,265	9,103	10,082	10,846
of which imputed rent		5,680	5,764	6,149	6,755	7,366	7,880
8. Rent element in land annuities		1	0	0	0	0	0
Remuneration of employees:	D.1						
9. Wages and salaries	D.11	58,044	58,959	61,280	65,316	69,580	73,027
10. Employers' social contribution	D.12	10,199	10,785	11,003	11,679	12,223	12,655
<b>Adjustments:</b>							
12. Statistical discrepancy		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>13. Net value added at factor cost</b>	<b>(B.1n-D.29+D.39)</b>	<b>134,872</b>	<b>137,017</b>	<b>148,152</b>	<b>186,420</b>	<b>188,496</b>	<b>200,362</b>
14. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
(net to abroad)							
<b>15. Net national product at factor cost</b>		<b>99,527</b>	<b>107,731</b>	<b>116,745</b>	<b>124,377</b>	<b>137,414</b>	<b>139,401</b>
16. National (i.e. non EU) taxes	D.2	18,372	19,310	21,213	22,581	23,625	24,681
17. National (i.e. non EU) subsidies	D.3	-1,949	-1,909	-1,867	-1,790	-1,771	-1,819
<b>18. Net national income at market prices</b>	<b>B.5*n</b>	<b>115,951</b>	<b>125,132</b>	<b>136,090</b>	<b>145,167</b>	<b>159,269</b>	<b>162,263</b>

<sup>1</sup>Preliminary

<sup>2</sup>This represents the earnings of the owners of large non incorporated businesses (e.g. large partnerships) which are similar in their economic and financial behaviour to companies of an equivalent size.

Net Operating Surplus (NOS)

=

NIE items 1 + 4 + 5 + 6 + 7 + 8 + 12 =

2,553 + 91,990 + 7,528 + -416 + 9,103 + 0 + -1,987

=

€108,771 million in 2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	<i>Products</i>									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		477,084	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		210,555	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
Total (as per NIE)		-	-	-	-	-	-	320,565	507,352	785,243

This **Net Operating Surplus (NOS)** from Table 1 of the NIE is consistent with the NOS figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of **€108,771 million**. Again a detailed split of this total is available by industry in the Use table.

**Net Operating Surplus = €108,771 million (in primary inputs at foot of Use table)**

# NIE2017 Table 1 (published July 2018)

Table 1 Net Value Added at Factor Cost and Net National Income at Market Prices

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
<b>Value added from agriculture, forestry and fishing</b>	<b>(B.1n-D.29+D.39)</b>	<b>2,881</b>	<b>2,913</b>	<b>3,178</b>	<b>3,207</b>	<b>3,282</b>	<b>4,167</b>
1. Income from self-employment and other trading income	B.3n	2,274	2,289	2,534	2,553	2,605	3,473
Remuneration of employees:	D.1						
2. Wages and salaries	D.11	510	520	537	541	560	575
3. Employers' social contribution	D.12	97	104	106	113	117	120
<b>Non-agricultural value added</b>	<b>(B.1n-D.29+D.39)</b>	<b>130,525</b>	<b>135,107</b>	<b>146,560</b>	<b>185,200</b>	<b>187,328</b>	<b>198,968</b>
Profits and self employed earnings:							
4. Domestic trading profits of companies (including corporate bodies) before tax	B.2n	47,351	49,993	58,454	91,990	86,804	94,761
5. Self employed earnings	B.3n	6,822	6,974	7,192	7,528	7,564	7,722
of which:							
5(a) Withdrawals from quasi-corporations <sup>2</sup>	D.422	744	749	811	965	964	1,092
6. Adjustment for stock appreciation	B.2n	493	653	365	-416	1,076	-43
7. Rent of dwellings (actual and imputed)	B.2n	7,615	7,743	8,265	9,103	10,082	10,846
of which imputed rent		5,680	5,764	6,149	6,755	7,366	7,880
8. Rent element in land annuities		1	0	0	0	0	0
Remuneration of employees:	D.1						
9. Wages and salaries	D.11	58,044	58,959	61,280	65,316	69,580	73,027
10. Employers' social contribution	D.12	10,199	10,785	11,003	11,679	12,223	12,655
<b>Adjustments:</b>							
12. Statistical discrepancy		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>13. Net value added at factor cost</b>	<b>(B.1n-D.29+D.39)</b>	<b>134,872</b>	<b>137,017</b>	<b>148,152</b>	<b>186,420</b>	<b>188,496</b>	<b>200,362</b>
14. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>15. Net national product at factor cost</b>		<b>99,527</b>	<b>107,731</b>	<b>116,745</b>	<b>124,377</b>	<b>137,414</b>	<b>139,401</b>
16. National (i.e. non EU) taxes	D.2	18,372	19,310	21,213	22,581	23,625	24,681
17. National (i.e. non EU) subsidies	D.3	-1,949	-1,909	-1,867	-1,790	-1,771	-1,819
<b>18. Net national income at market prices</b>	<b>B.5*n</b>	<b>115,951</b>	<b>125,132</b>	<b>136,090</b>	<b>145,167</b>	<b>159,269</b>	<b>162,263</b>

<sup>1</sup>Preliminary

<sup>2</sup>This represents the earnings of the owners of large non incorporated businesses (e.g. large partnerships) which are similar in their economic and financial behaviour to companies of an equivalent size.

Compensation of Employees (COE)

=

NIE items 2 + 3 + 9 + 10

=

541 + 113 + 65,316 + 11,679

=

€77,649 million in 2015



# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households excl gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,505	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,685	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,955	-	-	-	-	-	320,565	507,352	785,243
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-

This **Compensation of Employees** (COE) from Table 1 of the NIE is consistent with the COE figure in the foot of the Use Table in the Supply & Use Tables of **€77,649 million**.

Again a detailed split of this total is available by industry in the Use table.

Compensation of Employees = €77,649 million (in primary inputs at foot of Use table)



Table 2 Net Value Added at Factor Cost and Depreciation by Sector of Origin and Gross Value Added at Basic Prices

(Note the sectors here are based on NACE Rev. 2 A10. For further details see the methodology notes)

Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
€ million							
<b>24.1 Agriculture forestry and fishing</b>							
Net value added	(B.1n-D.29+D.39)	2,882	2,913	3,178	3,207	3,282	4,167
Remuneration of employees	D.1	607	624	643	655	677	694
Other	(B.2n & B.3n)	2,275	2,289	2,535	2,553	2,605	3,473
<b>24.2 Industry (excluding construction)</b>							
Net value added	(B.1n-D.29+D.39)	33,087	32,883	36,358	62,876	56,343	58,778
Remuneration of employees	D.1	9,524	9,905	10,525	11,310	11,709	12,207
Other	(B.2n & B.3n)	23,071	22,699	26,088	52,329	43,866	46,859
Adjustment for stock appreciation	(B.2n & B.3n)	492	280	-254	-763	767	-287
<b>24.3 of which: Manufacturing</b>							
Net value added	(B.1n-D.29+D.39)	30,235	30,073	33,677	60,802	54,169	55,481
Remuneration of employees	D.1	8,154	8,653	9,235	9,914	10,343	10,740
Other	(B.2n & B.3n)	21,593	21,139	24,699	51,651	43,050	45,011
Adjustment for stock appreciation	(B.2n & B.3n)	487	281	-257	-763	777	-270
<b>24.4 Construction</b>							
Net value added	(B.1n-D.29+D.39)	2,333	3,214	4,338	5,053	5,940	6,604
Remuneration of employees	D.1	2,106	2,173	2,509	2,928	3,444	3,820
Other	(B.2n & B.3n)	227	1,042	1,829	2,125	2,496	2,785
<b>24.5 Distribution, transport, hotels and restaurants</b>							
Net value added	(B.1n-D.29+D.39)	22,264	24,435	25,244	27,341	28,382	28,655
Remuneration of employees	D.1	14,031	14,176	14,812	15,744	16,629	17,397
Other	(B.2n & B.3n)	8,231	9,886	9,812	11,250	11,445	11,014
Adjustment for stock appreciation	(B.2n & B.3n)	1	373	620	347	308	244
<b>24.6. Information and communication</b>							
Net value added	(B.1n-D.29+D.39)	12,221	13,179	15,041	17,464	17,592	21,277
Remuneration of employees	D.1	4,045	4,532	4,831	5,500	5,957	6,125
Other	(B.2n & B.3n)	8,176	8,647	10,209	11,964	11,636	15,153
<b>24.7 Financial and insurance activities</b>							
Net value added	(B.1n-D.29+D.39)	13,746	12,569	14,513	16,053	18,536	18,641
Remuneration of employees	D.1	6,833	6,666	6,947	7,191	7,426	7,674
Other	(B.2n & B.3n)	6,913	5,903	7,566	8,862	11,110	10,967
<b>24.8 Real estate activities</b>							
Net value added	(B.1n-D.29+D.39)	7,728	8,181	9,109	10,044	11,200	11,958
Remuneration of employees	D.1	375	397	495	561	618	669
Other	(B.2n & B.3n)	7,353	7,784	8,614	9,484	10,583	11,288
<b>24.9 Professional, admin and support services</b>							
Net value added	(B.1n-D.29+D.39)	11,410	12,537	14,325	18,022	19,992	22,511
Remuneration of employees	D.1	6,470	6,840	7,582	8,440	9,501	10,434
Other	(B.2n & B.3n)	4,940	5,697	6,744	9,583	10,491	12,077
<b>24.10 Public admin, education and health</b>							
Net value added	(B.1n-D.29+D.39)	24,970	25,139	24,597	25,372	26,285	27,206
Remuneration of employees	D.1	23,167	23,305	22,761	23,463	24,558	25,341
Other	(B.2n & B.3n)	1,803	1,834	1,836	1,908	1,728	1,865
<b>24.11 Arts, entertainment and other services</b>							
Net value added	(B.1n-D.29+D.39)	2,766	2,970	3,035	2,976	3,057	3,337
Remuneration of employees	D.1	1,691	1,751	1,820	1,858	1,963	2,015
Other	(B.2n & B.3n)	1,075	1,219	1,214	1,117	1,095	1,322
26. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>134,872</b>	<b>137,017</b>	<b>148,152</b>	<b>186,420</b>	<b>188,496</b>	<b>200,362</b>
<b>28. plus Provision for depreciation</b>	<b>P.51c</b>	<b>25,311</b>	<b>26,708</b>	<b>28,839</b>	<b>56,499</b>	<b>53,881</b>	<b>71,957</b>
28.1 Agriculture, forestry and fishing	P.51c	756	768	818	856	857	883
28.2 Industry (excluding construction)	P.51c	6,279	6,490	6,690	9,453	34,748	39,897
28.3 of which Manufacturing	P.51c	4,710	4,874	5,025	29,277	32,988	38,076
28.4 Construction	P.51c	331	295	278	272	275	305
28.5 Distribution, transport, hotels and restaurants	P.51c	3,072	3,159	3,239	3,495	3,990	4,600
28.6 Information and communication	P.51c	3,063	3,492	3,825	4,628	5,941	7,045
28.7 Financial and insurance activities	P.51c	801	824	1,051	1,280	1,394	1,587
28.8 Real estate activities	P.51c	3,587	3,700	3,910	4,087	4,371	4,761
28.9 Professional, admin and support services	P.51c	4,268	4,771	5,678	7,314	8,508	8,859
28.10 Public admin, education and health	P.51c	2,740	2,801	2,917	3,111	3,337	3,551
28.11 Arts, entertainment and other services	P.51c	414	407	433	454	461	469
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>160,183</b>	<b>163,724</b>	<b>176,991</b>	<b>242,920</b>	<b>252,377</b>	<b>272,320</b>
30. Non product taxes	D.29	2,273	2,562	2,978	3,144	3,039	3,215
31. Non product subsidies	D.39	-2,454	-2,280	-2,204	-2,468	-2,316	-2,361
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,765</b>	<b>243,595</b>	<b>253,101</b>	<b>273,174</b>

## NIE2017 Table 2 (published July 2018)

Consumption of Fixed Capital  
(CFC)

=

NIE item 28

=

€56,499 million in 2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households and government transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,									
26,28,	electronic & optical products, machinery and equipment n.e.c.,									
31,32	furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	154	-	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
Total (as per NIE)								320,565	507,352	785,243

This **Consumption of fixed capital** (CFC) or depreciation from Table 2 of the NIE is consistent with the CFC figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of **€56,499 million**. Again a detailed split of this total is available by industry in the Use table.

Consumption of Fixed Capital = €56,499 million (in primary inputs at foot of Use table)

Table 2 Net Value Added at Factor Cost and Depreciation by Sector of Origin and Gross Value Added at Basic Prices							
(Note the sectors here are based on NACE Rev. 2 A10. For further details see the methodology notes)							
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
€ million							
<b>24.1 Agriculture forestry and fishing</b>							
Net value added	(B.1n-D.29+D.39)	2,882	2,913	3,178	3,207	3,282	4,167
Remuneration of employees	D.1	607	624	643	655	677	694
Other	(B.2n & B.3n)	2,275	2,289	2,535	2,553	2,605	3,473
<b>24.2 Industry (excluding construction)</b>							
Net value added	(B.1n-D.29+D.39)	33,087	32,883	36,358	62,876	56,343	58,778
Remuneration of employees	D.1	9,524	9,905	10,525	11,310	11,709	12,207
Other	(B.2n & B.3n)	23,071	22,699	26,088	52,329	43,866	46,859
Adjustment for stock appreciation	(B.2n & B.3n)	492	280	-254	-763	767	-287
<b>24.3 of which: Manufacturing</b>							
Net value added	(B.1n-D.29+D.39)	30,235	30,073	33,677	60,802	54,169	55,481
Remuneration of employees	D.1	8,154	8,653	9,235	9,914	10,343	10,740
Other	(B.2n & B.3n)	21,593	21,139	24,699	51,651	43,050	45,011
Adjustment for stock appreciation	(B.2n & B.3n)	487	281	-257	-763	777	-270
<b>24.4 Construction</b>							
Net value added	(B.1n-D.29+D.39)	2,333	3,214	4,338	5,053	5,940	6,604
Remuneration of employees	D.1	2,106	2,173	2,509	2,928	3,444	3,820
Other	(B.2n & B.3n)	227	1,042	1,829	2,125	2,496	2,785
<b>24.5 Distribution, transport, hotels and restaurants</b>							
Net value added	(B.1n-D.29+D.39)	22,264	24,435	25,244	27,341	28,382	28,655
Remuneration of employees	D.1	14,031	14,176	14,812	15,744	16,629	17,397
Other	(B.2n & B.3n)	8,231	9,886	9,812	11,250	11,445	11,014
Adjustment for stock appreciation	(B.2n & B.3n)	1	373	620	347	308	244
<b>24.6. Information and communication</b>							
Net value added	(B.1n-D.29+D.39)	12,221	13,179	15,041	17,464	17,592	21,277
Remuneration of employees	D.1	4,045	4,532	4,831	5,500	5,957	6,125
Other	(B.2n & B.3n)	8,176	8,647	10,209	11,964	11,636	15,153
<b>24.7 Financial and insurance activities</b>							
Net value added	(B.1n-D.29+D.39)	13,746	12,569	14,513	16,053	18,536	18,641
Remuneration of employees	D.1	6,833	6,666	6,947	7,191	7,426	7,674
Other	(B.2n & B.3n)	6,913	5,903	7,566	8,862	11,110	10,967
<b>24.8 Real estate activities</b>							
Net value added	(B.1n-D.29+D.39)	7,728	8,181	9,109	10,044	11,200	11,958
Remuneration of employees	D.1	375	397	495	561	618	669
Other	(B.2n & B.3n)	7,353	7,784	8,614	9,484	10,583	11,288
<b>24.9 Professional, admin and support services</b>							
Net value added	(B.1n-D.29+D.39)	11,410	12,537	14,325	18,022	19,992	22,511
Remuneration of employees	D.1	6,470	6,840	7,582	8,440	9,501	10,434
Other	(B.2n & B.3n)	4,940	5,697	6,744	9,583	10,491	12,077
<b>24.10 Public admin, education and health</b>							
Net value added	(B.1n-D.29+D.39)	24,970	25,139	24,597	25,372	26,285	27,206
Remuneration of employees	D.1	23,167	23,305	22,761	23,463	24,558	25,341
Other	(B.2n & B.3n)	1,803	1,834	1,836	1,908	1,728	1,865
<b>24.11 Arts, entertainment and other services</b>							
Net value added	(B.1n-D.29+D.39)	2,766	2,970	3,035	2,976	3,057	3,337
Remuneration of employees	D.1	1,691	1,751	1,820	1,858	1,963	2,015
Other	(B.2n & B.3n)	1,075	1,219	1,214	1,117	1,095	1,322
26. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>134,872</b>	<b>137,017</b>	<b>148,152</b>	<b>186,420</b>	<b>188,496</b>	<b>200,362</b>
<b>28. p/us Provision for depreciation</b>	<b>P.51c</b>	<b>25,311</b>	<b>26,708</b>	<b>28,839</b>	<b>56,499</b>	<b>63,881</b>	<b>71,957</b>
28.1 Agriculture, forestry and fishing	P.51c	756	768	818	856	857	883
28.2 Industry (excluding construction)	P.51c	6,279	6,490	6,690	31,001	34,748	39,897
28.3 of which Manufacturing	P.51c	4,710	4,874	5,025	29,277	32,988	38,076
28.4 Construction	P.51c	331	295	278	272	275	305
28.5 Distribution, transport, hotels and restaurants	P.51c	3,072	3,159	3,239	3,495	3,990	4,600
28.6 Information and communication	P.51c	3,063	3,492	3,825	4,628	5,941	7,045
28.7 Financial and insurance activities	P.51c	801	824	1,051	1,280	1,394	1,587
28.8 Real estate activities	P.51c	3,587	3,700	3,910	4,087	4,371	4,761
28.9 Professional, admin and support services	P.51c	4,268	4,771	5,678	7,314	8,508	8,859
28.10 Public admin, education and health	P.51c	2,740	2,801	2,917	3,111	3,337	3,551
28.11 Arts, entertainment and other services	P.51c	414	407	433	454	461	469
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>160,183</b>	<b>163,724</b>	<b>176,991</b>	<b>242,920</b>	<b>252,377</b>	<b>272,320</b>
30. Non product taxes	D.29	2,273	2,562	2,978	3,144	3,039	3,215
31. Non product subsidies	D.39	-2,454	-2,280	-2,234	-2,468	-2,316	-2,361
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,755</b>	<b>243,596</b>	<b>253,101</b>	<b>273,174</b>

## NIE2017 Table 2 (published July 2018)

Other taxes on production  
(non product taxes)

=

NIE item 30

=

€3,144 million in 2015

Other subsidies on production  
(non product subsidies)

=

NIE item 31

=

€2,468 million in 2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households, excl gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	154	-	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
Total (as per NIE)								320,565	507,352	785,243

This Non product taxes (€3,144 million) minus Non product subsidies (€2,468 million) from Table 2 of the NIE is consistent with the Net taxes (taxes less subsidies) on production figure in the primary inputs at the foot of the Use Table €676 million.

Again a detailed split is provided in Use table.

Net taxes (taxes less subsidies) on production = €676 million (in primary inputs of Use table)

Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
€ million							
<b>24.1 Agriculture forestry and fishing</b>							
Net value added	(B.1n-D.29+D.39)	2,882	2,913	3,178	3,207	3,282	4,167
Remuneration of employees	D.1	607	624	643	655	677	694
Other	(B.2n & B.3n)	2,275	2,289	2,535	2,553	2,605	3,473
<b>24.2 Industry (excluding construction)</b>							
Net value added	(B.1n-D.29+D.39)	33,087	32,883	36,358	62,876	56,343	58,778
Remuneration of employees	D.1	9,524	9,905	10,525	11,310	11,709	12,207
Other	(B.2n & B.3n)	23,071	22,699	26,088	52,329	43,866	46,859
Adjustment for stock appreciation	(B.2n & B.3n)	492	280	-254	-763	767	-287
<b>24.3 of which: Manufacturing</b>							
Net value added	(B.1n-D.29+D.39)	30,235	30,073	33,677	60,802	54,169	55,481
Remuneration of employees	D.1	8,154	8,653	9,235	9,914	10,343	10,740
Other	(B.2n & B.3n)	21,593	21,139	24,699	51,651	43,050	45,011
Adjustment for stock appreciation	(B.2n & B.3n)	487	281	-257	-763	777	-270
<b>24.4 Construction</b>							
Net value added	(B.1n-D.29+D.39)	2,333	3,214	4,338	5,053	5,940	6,604
Remuneration of employees	D.1	2,106	2,173	2,509	2,928	3,444	3,820
Other	(B.2n & B.3n)	227	1,042	1,829	2,125	2,496	2,785
<b>24.5 Distribution, transport, hotels and restaurants</b>							
Net value added	(B.1n-D.29+D.39)	22,264	24,435	25,244	27,341	28,382	28,655
Remuneration of employees	D.1	14,031	14,176	14,812	15,744	16,629	17,397
Other	(B.2n & B.3n)	8,231	9,886	9,812	11,250	11,445	11,014
Adjustment for stock appreciation	(B.2n & B.3n)	1	373	620	347	308	244
<b>24.6 Information and communication</b>							
Net value added	(B.1n-D.29+D.39)	12,221	13,179	15,041	17,464	17,592	21,277
Remuneration of employees	D.1	4,045	4,532	4,831	5,500	5,957	6,125
Other	(B.2n & B.3n)	8,176	8,647	10,209	11,964	11,636	15,153
<b>24.7 Financial and insurance activities</b>							
Net value added	(B.1n-D.29+D.39)	13,746	12,569	14,513	16,053	18,536	18,641
Remuneration of employees	D.1	6,833	6,666	6,947	7,191	7,426	7,674
Other	(B.2n & B.3n)	6,913	5,903	7,566	8,862	11,110	10,967
<b>24.8 Real estate activities</b>							
Net value added	(B.1n-D.29+D.39)	7,728	8,181	9,109	10,044	11,200	11,958
Remuneration of employees	D.1	375	397	495	561	618	669
Other	(B.2n & B.3n)	7,353	7,784	8,614	9,484	10,583	11,288
<b>24.9 Professional, admin and support services</b>							
Net value added	(B.1n-D.29+D.39)	11,410	12,537	14,325	18,022	19,992	22,511
Remuneration of employees	D.1	6,470	6,840	7,582	8,440	9,501	10,434
Other	(B.2n & B.3n)	4,940	5,697	6,744	9,583	10,491	12,077
<b>24.10 Public admin, education and health</b>							
Net value added	(B.1n-D.29+D.39)	24,970	25,139	24,597	25,372	26,285	27,206
Remuneration of employees	D.1	23,167	23,305	22,761	23,463	24,558	25,341
Other	(B.2n & B.3n)	1,803	1,834	1,836	1,908	1,728	1,865
<b>24.11 Arts, entertainment and other services</b>							
Net value added	(B.1n-D.29+D.39)	2,766	2,970	3,035	2,976	3,057	3,337
Remuneration of employees	D.1	1,691	1,751	1,820	1,858	1,963	2,015
Other	(B.2n & B.3n)	1,075	1,219	1,214	1,117	1,095	1,322
26. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>134,872</b>	<b>137,017</b>	<b>148,152</b>	<b>186,420</b>	<b>188,496</b>	<b>200,362</b>
<b>28. p/us Provision for depreciation</b>	<b>P.51c</b>	<b>25,311</b>	<b>26,708</b>	<b>28,839</b>	<b>56,499</b>	<b>63,881</b>	<b>71,957</b>
28.1 Agriculture, forestry and fishing	P.51c	756	768	818	856	857	883
28.2 Industry (excluding construction)	P.51c	6,279	6,490	6,690	31,001	34,748	39,897
28.3 of which Manufacturing	P.51c	4,710	4,874	5,025	29,277	32,988	38,076
28.4 Construction	P.51c	331	295	278	272	275	305
28.5 Distribution, transport, hotels and restaurants	P.51c	3,072	3,159	3,239	3,495	3,990	4,600
28.6 Information and communication	P.51c	3,063	3,492	3,825	4,628	5,941	7,045
28.7 Financial and insurance activities	P.51c	801	824	1,051	1,280	1,394	1,587
28.8 Real estate activities	P.51c	3,587	3,700	3,910	4,087	4,371	4,761
28.9 Professional, admin and support services	P.51c	4,268	4,771	5,678	7,314	8,508	8,859
28.10 Public admin, education and health	P.51c	2,740	2,801	2,917	3,111	3,337	3,551
28.11 Arts, entertainment and other services	P.51c	414	407	433	454	461	469
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>160,183</b>	<b>163,724</b>	<b>176,991</b>	<b>242,919</b>	<b>252,377</b>	<b>272,320</b>
30. Non product taxes	D.29	2,273	2,562	2,973	3,144	3,039	3,215
31. Non product subsidies	D.39	-2,454	-2,280	-2,204	-2,468	-2,316	-2,361
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,755</b>	<b>243,595</b>	<b>253,101</b>	<b>273,174</b>

## NIE2017 Table 2 (& Table 3) (published July 2018)

Gross Value Added (GVA) at  
basic prices

=

NIE item 32 (and item 51)

=

€243,595 million in 2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)		
NACE	Products											
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633		
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577		
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103		
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777		
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052		
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144		
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864		
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495		
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833		
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092		
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781		
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291		
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934		
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610		
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662		
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871		
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668		
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609		
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156		
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742		
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391		
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816		
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760		
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221		
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176		
47	Retail trade	159	88	-	-	21	-	-	108	267		
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694		
50	Water transport services	399	97	-	-	-	-	277	374	773		
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412		
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349		
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940		
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371		
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630		
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952		
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280		
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282		
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469		
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360		
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703		
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615		
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811		
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621		
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231		
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863		
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224		
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713		
78	Employment services	1,670	56	-	-	2	-	-	58	1,728		
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593		
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397		
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005		
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003		
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009		
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664		
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241		
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264		
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196		
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665		
97	Private households with employed persons	-	53	-	-	-	-	-	53	53		
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638		
Compensation of Employees		77,649	-	Cif/job adjustments on exports				-206	-206	-206		
Operating surplus, net		108,771	4,812	Expenditure outside the State				-	4,812	4,812		
Consumption of fixed capital		56,499	-3,640	Expenditure by non-residents				3,640	-	-		
Net taxes (taxes less subsidies) on production		676	Total (as per NIE)							320,565	507,352	785,243
Gross value added at basic prices		243,595										
Output at basic prices (= last row of Table 1)		521,486										

This **Gross Value Added (GVA) at basic prices (€243,595 million)** from

Table 2 and Table 3 of the NIE is consistent with the Gross value added at basic prices figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of **€243,595 million.**

Again a detailed split is provided in Use table.

Gross value added at basic prices = €243,595 million (in primary inputs at foot of Use table)



# 2015 Use Table – Table 2 (published 2018)

		Industry							Total Final uses Total uses (= total supply in Table 1)
		Total inter-industry	Final consumption of households excl gov't transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	
NACE	Products								
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598
13	Manufacture of textiles	309	392	-	-	54	24	272	743
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,								
26,28,	electronic & optical products, machinery and equipment n.e.c.,								
31,32	furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842
47	Retail trade	159	88	-	-	21	-	-	108
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506
50	Water transport services	399	97	-	-	-	-	277	374
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112
52	Warehousing	1,972	327	-	-	1	-	50	378
53	Postal and courier services	994	396	-	-	0	-	550	946
55	Accommodation services	438	2,567	-	-	0	-	364	2,932
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882
78	Employment services	1,670	56	-	-	2	-	-	58
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244
84	Public administration	1,399	508	-	10,745	317	-	36	11,606
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244
93	Recreation and sports activities	502	551	-	-	0	-	188	738
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693
95	Repair of consumer goods	150	45	-	-	0	-	-	45
96	Other personal service activities	702	205	-	-	0	-	-	963
97	Private households with employed persons	-	53	-	-	-	-	-	53
Total intermediate consumption		27,891	84,073	1,701	32,238	63,469	4,134	317,131	507,746
Compensation of Employees		77,000	-	-	-	-	-	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-
Total (as per NIE)								320,565	507,352
Total expenditure GDP (Final Uses + Net exports (Exports – Imports))									785,243

Using the **Expenditure method** of GDP calculation, GDP = Final uses + Net exports

For 2015, we see that total GDP at market prices in the Use table is FCE **€85.245 billion** + NPISH **€1.701 billion** + Govt. consumption expenditure **€32.238 billion** + GFCF **€63.469 billion** + Changes in Inventories **€4.134 billion** + Exports **€320.565 billion** – Imports **€244.886 billion** (from the Supply table) = **€262.466 billion GDP at market prices**

In Table 3 of the NIE, we see that **Item 54** is GDP at current market prices is **€262.466 billion** as in the Supply & Use Table aggregates.

Total Expenditure GDP (Final Uses + Net exports (Exports – Imports))

# NIE2017 Table 3 (published July 2018)

Table 3 Gross Value Added at Basic Prices by Sector of Origin and Gross National Income at Current Market Prices							
(Note the sectors here are based on NACE Rev. 2 A10 breakdown. For further details see the methodology notes)							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,765</b>	<b>243,595</b>	<b>253,101</b>	<b>273,174</b>
52. Product taxes	D.21	16,341	16,996	18,509	19,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>56. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>
<sup>1</sup> Preliminary							

Gross Domestic Product (GDP)  
=  
NIE Item 54  
=  
€262.466 billion



# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

Personal consumption  
of goods and services

=

NIE item 79

=

€92,358 million in 2015

Net expenditure by  
central and local  
government on current  
goods and services

=

NIE item 80

=

€26,826 million in 2015

NIE Items 79 + 80 =  
€92,358 + €26,826 =  
€119,184 million

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households and government transfers	NPISH	Government consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19, 21, 26, 28, 31, 32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	203	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,640	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	Expenditure outside the State				-	4,812	4,812
Consumption of fixed capital		56,499	3,640	Expenditure by non-residents				3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
								320,565	507,352	785,243
								Total (as per NIE)		

This expenditure figure of €119,184 million from Table 5 of the NIE is consistent with the Final consumption of households + NPISH + Govt. consumption plus transfers = €85,245m + €1,701m + €32,238 million = €119,184 million figure in the final uses at the right of the Use Table available by detailed product.

# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
<i>of which:</i>							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
<i>of which</i>							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>
<sup>1</sup> Preliminary							
<sup>2</sup> Excluding factor income flows							

Final consumption expenditure of Households and NPISHs

=

NIE item 79(a)

=

€86,946 million in 2015

There are also adjustments for expenditure outside the state and expenditure by non-residents.

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,646	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,777	4,812	Expenditure outside the State				-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	Expenditure by non-residents				3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
								320,565	507,352	785,243

This **Final consumption expenditure of Households and NPISHs** figure of **€86,946 million** from Table 5 of the NIE is consistent with the Final consumption of households + NPISH = **€85,245m + €1,701m = €86,946 million** figure in the final uses at the right of the Use Table.

# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,046	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,191	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

Final consumption  
expenditure of  
government

=

NIE item 79(b)

=

€5,412 million in 2015

+

Net expenditure by  
central and local  
government on current  
goods and services

=

NIE item 80

=

€26,826 million in 2015

= €32,238 million in  
2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households excl gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	154	-	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-

This figure of **€32,238 million** from Table 5 of the NIE is consistent with the Government consumption expenditure plus transfers figure of **€32,238 million** found in the final uses at the right of the Use Table and is split in the column by type of product.

# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20		128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

Gross domestic fixed capital formation

=

NIE item 81

=

€63,341 million in 2015

+

Net additions to the breeding stocks

=

NIE item 82(a)

=

€128 million in 2015

= €63,469 million in 2015



Table 2

2015 Use Table at purchasers' prices €m

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of h/holds, excl gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)				
NACE	Products													
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633				
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577				
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103				
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777				
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052				
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144				
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864				
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495				
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833				
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092				
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781				
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291				
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934				
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610				
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662				
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871				
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668				
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609				
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156				
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742				
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391				
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816				
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760				
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221				
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176				
47	Retail trade	159	88	-	-	21	-	-	108	267				
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694				
50	Water transport services	399	97	-	-	-	-	277	374	773				
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412				
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349				
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940				
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371				
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630				
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952				
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280				
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282				
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469				
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360				
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703				
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615				
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811				
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621				
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231				
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863				
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224				
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713				
78	Employment services	1,670	56	-	-	2	-	-	58	1,728				
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593				
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397				
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005				
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003				
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009				
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664				
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241				
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264				
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196				
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665				
97	Private households with employed persons	-	53	-	-	-	-	-	53	53				
Total intermediate consumption		277,891	84,073	1,701	32,208	63,469	4,134	317,131	502,746	780,638				
Compensation of Employees		77,649	-	Cif/job adjustments on exports				-206	-206	-206				
Operating surplus, net		108,771	4,812	Expenditure outside the State				-4,812	4,812	4,812				
Consumption of fixed capital		56,499	-3,640	Expenditure by non-residents				3,640	-	-				
Net taxes (taxes less subsidies) on production		676	-	Total (as per NIE)				320,565	507,352	785,243				
Gross value added at basic prices		243,595												
Output at basic prices (= last row of Table 1)		521,486												

This Gross Fixed Capital Formation (GFCF) figure of **€63,469 million** from Table 5 of the NIE including Net additions to the Breeding Stocks figure of **€128 million** is consistent with the Gross fixed capital formation figure of **€63,469 million** found in the final uses at the right of the Use Table again provided by type of product.



# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20		128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,581	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

Value of physical  
changes in stocks  
(Change in inventories)

=

NIE item 82

=

€2,274 million in 2015

-

Net additions to the  
breeding stocks

=

NIE item 82(a)

=

€128 million in 2015

+

Statistical discrepancy

=

NIE item 85 (= item 12)

=

€1,987 million in 2015

= €4,134 million in  
2015

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households and government transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,449	4,134	817,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-206	-206	-206	-206
Operating surplus, net		108,771	4,812	Cif/job adjustments on exports				-4,812	4,812	4,812
Consumption of fixed capital		56,499	-3,640	Expenditure outside the State				3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	Expenditure by non-residents				-	-	-
Gross value added at basic prices		243,595	Total (as per NIE)				320,565	507,352	785,243	
Output at basic prices (= last row of Table 1)		521,486								

This **Changes stocks** figure of **€2,274 million** from Table 5 of the NIE minus the **Net additions to the breeding stocks** figure of **€128 million** plus the **Statistical Discrepancy** figure of **€1,987 million** is consistent with the change in inventories figure of **€4,134 million** found in the final uses at the right of the Use Table.

# NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
<i>of which:</i>							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
<i>of which</i>							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,351	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

Exports of goods and services

=

NIE item 83

=

€320,565 million in 2015

Note: Imports and Exports are valued as f.o.b. in the NIE – free on board. Imports are valued as c.i.f. in the S&UT – cost, insurance and freight. The difference between the two is relatively small and is shown in an adjustment in the S&UT for consistency. There is also an adjustment for expenditure by non-residents.

# 2015 Use Table – Table 2 (published 2018)

		Total inter-industry	Final consumption of households, excl. gov't transfers	NPISH	Gov't consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
19, 21, 26, 28, 31, 32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	154	2,506	4,694	6,412
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
Total intermediate consumption		277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
Compensation of Employees		77,649	-	-	-	-	-	-206	-206	-206
Operating surplus, net		108,771	4,812	-	-	-	-	-	4,812	4,812
Consumption of fixed capital		56,499	-3,640	-	-	-	-	3,640	-	-
Net taxes (taxes less subsidies) on production		676	-	-	-	-	-	-	-	-
Gross value added at basic prices		243,595	-	-	-	-	-	-	-	-
Output at basic prices (= last row of Table 1)		521,486	-	-	-	-	-	-	-	-
Total (as per NIE)		-	-	-	-	-	-	320,565	507,352	785,243

This Exports of goods and services figure of **€320,565 million** from Table 5 of the NIE is consistent with the Exports figure of **€317,131 million** + adjustment for cif/fob of **-€206 million** + adjustment for expenditure by non-residents **€3,640= €320,565 million** found in the final uses of the Use Table again provided by product type.

# NIE2017 Table 5 (published July 2018)

Imports of goods and services

=

NIE item 84

=

€244,886 million in 2015

Note: Imports and Exports are measured in f.o.b. in the NIE – free on board. Imports are measured in c.i.f. in the S&UT – cost, insurance and freight. The difference between the two is relatively small and is shown in an adjustment in the S&UT for consistency. There is also an adjustment for expenditure outside the state.

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,161	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -Item 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>88. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flows

2015 Supply Table – Table 1 (published 2018)

Industries						
NACE	Products	Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43
5-9	Mining, quarrying and extraction	888	3,151	411	127	-
10	Manufacture of food products	20,841	6,408	6,679	175	-
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-
13	Manufacture of textiles	273	481	210	88	-
14	Manufacture of wearing apparel	86	1,903	1,684	471	-
15	Manufacture of leather and related products	35	609	100	121	-
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-
18	Printing and reproduction of recorded media	1,011	204	822	55	-
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	113,442	30,754	12,518	5,069	-3
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-
24	Manufacture of basic metals	830	1,335	497	1	-
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-
27	Manufacture of electrical equipment	1,062	2,036	382	187	-
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-
33	Repair and installation of machinery and equipment	1,119	-	19	18	-
35	Electricity and gas supply	6,225	74	58	385	-
36	Water collection, treatment and supply	267	-	3	121	-
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-
41-43	Construction and construction works	17,418	-	-	2,342	-
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-
46	Wholesale trade	33,558	27,277	-18,683	23	-
47	Retail trade	10,748	-	-10,492	10	-
49	Land transport services	4,571	169	-	30	-76
50	Water transport services	593	180	-	0	-
51	Air transport services	5,280	1,130	-	2	-
52	Warehousing	2,302	63	-	3	-19
53	Postal and courier services	1,467	411	-	62	-
55	Accommodation services	1,770	1,285	-	316	-
56	Food and beverage services	5,427	115	-	1,088	-
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-
61	Telecommunications services	3,823	1,087	-	370	-
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-
64	Financial service activities	21,214	11,159	-	96	-
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-
66	Other financial activities	6,650	591	-	463	-
68	Real estate activities	19,402	-	-	213	-
69	Legal and accounting activities	5,437	63	-	314	-3
70	Head office and management consultancy activities	4,073	1,520	-	27	-
71	Architectural and engineering services	2,151	69	-	11	-
72	Scientific research and development services	3,786	27,077	-	0	-
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-
77	Rental and leasing activities	20,354	63,903	-	456	-
78	Employment services	1,710	-	-	18	-
79	Travel agency and tourism service activities	548	-	-	45	-
80-82	Security, office and business support activities	3,354	-	-	44	-
84	Public administration	12,946	28	-	31	-
85	Education services	10,384	-	-	4	-385
86-88	Human health and social work activities	18,351	16	-	7	-364
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-
93	Recreation and sports activities	1,143	54	-	43	-
94	Membership organisation services	2,263	-	-	1	-
95	Repair of consumer goods	182	-	-	14	-
96	Other personal service activities	1,510	25	-	130	-
97	Private households with employed persons	53	-	-	-	-
Total output by industry (= last row of Table 2)		521,485	240,280	0	19,764	-893
			-206	Cif/fob adjustments on imports		-206
			4,812	Expenditure outside the State		4,812
			244,886	Imports f.o.b. per NIE		785,243
				Total		

This Imports of goods and services figure of €244,886 million from Table 5 of the NIE is consistent with the Imports figure of €240,280 million + adjustment for cif/fob of -€206 million + adjustment for expenditure outside the state of €4,812 = €244,886 million found in the Supply Table provided by product 46

# NIE2017 Table 3 (published July 2018)

Table 3 Gross Value Added at Basic Prices by Sector of Origin and Gross National Income at Current Market Prices							
(Note the sectors here are based on NACE Rev. 2 A10 breakdown. For further details see the methodology notes)							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>160,002</b>	<b>164,006</b>	<b>177,765</b>	<b>242,595</b>	<b>253,101</b>	<b>273,174</b>
52. Product taxes	D.21	16,341	16,996	18,509	19,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>175,216</b>	<b>179,922</b>	<b>195,293</b>	<b>262,466</b>	<b>273,238</b>	<b>294,110</b>
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
<b>56. Gross national product at current market prices</b>		<b>139,871</b>	<b>150,637</b>	<b>163,886</b>	<b>200,423</b>	<b>222,156</b>	<b>233,149</b>
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>141,261</b>	<b>151,840</b>	<b>164,929</b>	<b>201,667</b>	<b>223,150</b>	<b>234,221</b>
<sup>1</sup> Preliminary							

Product taxes

=

NIE item 52

=

€19,764 million in 2015

Product subsidies

=

NIE item 53

=

-€893 million in 2015



2015 Supply Table – Table 1 (published 2018)

Industries						
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products
						Total supply at purchasers' prices (= total use in Table 2)
NACE	Products					
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43
5-9	Mining, quarrying and extraction	888	3,151	411	127	-
10	Manufacture of food products	20,841	6,408	6,679	175	-
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-
13	Manufacture of textiles	273	481	210	88	-
14	Manufacture of wearing apparel	86	1,903	1,684	471	-
15	Manufacture of leather and related products	35	609	100	121	-
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-
18	Printing and reproduction of recorded media	1,011	204	822	55	-
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,					
26,28,	electronic & optical products, machinery and equipment n.e.c.,					
31,32	furniture, other manufacturing	113,442	30,754	12,518	5,069	-3
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-
24	Manufacture of basic metals	830	1,335	497	1	-
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-
27	Manufacture of electrical equipment	1,062	2,036	382	187	-
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-
33	Repair and installation of machinery and equipment	1,119	-	19	18	-
35	Electricity and gas supply	6,225	74	58	385	-
36	Water collection, treatment and supply	267	-	3	121	-
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-
41-43	Construction and construction works	17,418	-	-	2,342	-
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-
46	Wholesale trade	33,558	27,277	-18,683	23	-
47	Retail trade	10,748	-	-10,492	10	-
49	Land transport services	4,571	169	-	30	-76
50	Water transport services	593	180	-	0	-
51	Air transport services	5,280	1,130	-	2	-
52	Warehousing	2,302	63	-	3	-19
53	Postal and courier services	1,467	411	-	62	-
55	Accommodation services	1,770	1,285	-	316	-
56	Food and beverage services	5,427	115	-	1,088	-
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-
61	Telecommunications services	3,823	1,087	-	370	-
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-
64	Financial service activities	21,214	11,159	-	96	-
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-
66	Other financial activities	6,650	591	-	463	-
68	Real estate activities	19,402	-	-	213	-
69	Legal and accounting activities	5,437	63	-	314	-3
70	Head office and management consultancy activities	4,073	1,520	-	27	-
71	Architectural and engineering services	2,151	69	-	11	-
72	Scientific research and development services	3,786	27,077	-	0	-
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-
77	Rental and leasing activities	20,354	63,903	-	456	-
78	Employment services	1,710	-	-	18	-
79	Travel agency and tourism service activities	548	-	-	45	-
80-82	Security, office and business support activities	3,354	-	-	44	-
84	Public administration	12,946	28	-	31	-
85	Education services	10,384	-	-	4	-385
86-88	Human health and social work activities	18,351	16	-	7	-364
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-
93	Recreation and sports activities	1,143	54	-	43	-
94	Membership organisation services	2,263	-	-	1	-
95	Repair of consumer goods	182	-	-	14	-
96	Other personal service activities	1,510	25	-	130	-
97	Private households with employed persons	53	-	-	-	-
Total output by industry (= last row of Table 2)		521,486	240,280		19,764	-893
			-206	Cif/job adjustments on imports		-206
			4,812	Expenditure outside the State		4,812
			244,886	Imports f.o.b. per NIE		785,243
				Total		

This Product taxes (€19,764 million) minus Product subsidies (€893 million) from Table 2 of the NIE is consistent with the Taxes on products and Subsidies on products figures in the Supply Table available by product type.

Taxes and subsidies on products = €19,764 million and -€893 million (in Supply Table)



# 2015 Supply Table – Table 1 (published 2018)

	Industries						
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	Total supply at purchasers' prices (= total use in Table 2)
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,777
13	Manufacture of textiles	273	481	210	88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
15	Manufacture of leather and related products	35	609	100	121	-	864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18	Printing and reproduction of recorded media	1,011	204	822	55	-	2,092
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,781
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,291
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,934
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-	2,610
24	Manufacture of basic metals	830	1,335	497	1	-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
33	Repair and installation of machinery and equipment	1,119	-	19	18	-	1,156
35	Electricity and gas supply	6,225	74	58	385	-	6,742
36	Water collection, treatment and supply	267	-	3	121	-	391
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-	1,816
41-43	Construction and construction works	17,418	-	-	2,342	-	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,221
46	Wholesale trade	33,558	27,277	-18,683	23	-	42,176
47	Retail trade	10,748	-	-10,492	10	-	267
49	Land transport services	4,571	169	-	30	-76	4,694
50	Water transport services	593	180	-	0	-	773
51	Air transport services	5,280	1,130	-	2	-	6,412
52	Warehousing	2,302	63	-	3	-19	2,349
53	Postal and courier services	1,467	411	-	62	-	1,940
55	Accommodation services	1,770	1,285	-	316	-	3,371
56	Food and beverage services	5,427	115	-	1,088	-	6,630
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,952
61	Telecommunications services	3,823	1,087	-	370	-	5,280
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-	60,282
64	Financial service activities	21,214	11,159	-	96	-	32,469
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
66	Other financial activities	6,650	591	-	463	-	7,703
68	Real estate activities	19,402	-	-	213	-	19,615
69	Legal and accounting activities	5,437	63	-	314	-3	5,811
70	Head office and management consultancy activities	4,073	1,520	-	27	-	5,621
71	Architectural and engineering services	2,151	69	-	11	-	2,231
72	Scientific research and development services	3,786	27,077	-	0	-	30,863
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-	23,224
77	Rental and leasing activities	20,354	63,903	-	456	-	84,713
78	Employment services	1,710	-	-	18	-	1,728
79	Travel agency and tourism service activities	548	-	-	45	-	593
80-82	Security, office and business support activities	3,354	-	-	44	-	3,397
84	Public administration	12,946	28	-	31	-	13,005
85	Education services	10,384	-	-	4	-385	10,003
86-88	Human health and social work activities	18,351	16	-	7	-364	18,009
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-	1,664
93	Recreation and sports activities	1,143	54	-	43	-	1,241
94	Membership organisation services	2,263	-	-	1	-	2,264
95	Repair of consumer goods	182	-	-	14	-	196
96	Other personal service activities	1,510	25	-	150	-	1,665
97	Private households with employed persons	53	-	-	-	-	53
Total output by industry (= last row of Table 2)		521,486	240,280	0	19,764	-893	780,638
			-206	Cif/job adjustments on imports			-206
			4,812	Expenditure outside the State			4,812
			244,886	Imports f.o.b. per NIE		Total	785,243

Taxes and subsidies on products (to go from GVA to GDP)

We have met these product taxes **€19.764 billion** and product subsidies figures **€0.893 billion** before – in the Supply table – when we transformed total Supply of a product at basic prices to total Supply of a product at purchasers' prices – we also saw these move us from GVA at basic prices to GDP at market prices.



# Contents

## Introduction

1. Overview of Tables & their structure
2. Consistency with N.I.E. explained through the 3 methods of calculating GVA/GDP
- 3. More detail on Supply table & Use table**
4. Intermediate tables



## Table 1 Supply table

- What do we mean by supply?
- Is there a pattern in the domestic supply matrix?
- What is secondary production?
- Why is this of interest?
- Basic prices versus purchasers' prices?
- Is all calculation of output the same?



## Table 1 Supply table

- What do we mean by supply? **Industry output not turnover otherwise double counting**
- Is there a pattern in the domestic supply matrix? **Yes, primary 'diagonal' & secondary production**
- What is secondary production? **'Off-diagonal'**
- Why is this of interest? **Changing nature of industry, specialisation/diversification, efficiency, market share**
- Basic prices versus purchasers' prices? **Factory gate to front door**
- Is all calculation of output the same? **Market and non-market output, also output for own use**



## Table 2 Use table

- What do we mean by use?
- Explain the different elements in the table?
- What is intermediate demand?
- What are the primary inputs?
- What is final demand?
- Calculation of final Government consumption expenditure?



## Table 2 Use table

- What do we mean by use? **Modern economy has four basic activities: Produce (Supply), consume (Use), accumulate (Use), trade (Supply & Use)**
- Explain the different elements in the table? **Inter-industry use, final use, primary inputs**
- What is intermediate demand? **Goods and services used by an industry to produce its own output**
- What are the primary inputs?  **$COE + GOS (= NOS + CFC) + \text{Taxes less subsidies on production} = GVA = \text{Output} - \text{inter. conspt.}$**
- What is final demand?  **$PCE (FCE + NPISH) + GFCF + \text{Exports}$**
- Calculation of final Government consumption expenditure? **Government as final consumer of own non-market output**



## General Supply & Use Table issues

- Consistency with the National Accounts?
- GVA/GDP using the Income, Production and Expenditure approach
- Data sources?
- Balancing the Supply table with Use table?
- S&UT at previous year prices (PYP)?



## General Supply & Use Table issues

- Consistency with the National Accounts? **Yes, as we have seen, with the latest NIE**
- GVA/GDP using the Income, Production and Expenditure approach **Yes, all three, as we have seen**
- Data sources? **CIP for NACE 5-39, ASI for NACE 45-96 (with significant exceptions), BoP, PCE, Capform, Profits, etc.**
- Balancing the Supply table with Use table? **Industry balance: column totals of the outputs = inputs by industry. Product balance: row sums from Supply table equal Use so total demand for products equals total supply.**
- S&UT at PYP? **Volume changes – analysis**





# Contents

## Introduction

1. Overview of Tables & their structure
2. Consistency with N.I.E. explained through the 3 methods of calculating GVA/GDP
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- 4. Intermediate tables**



## Tables 3 - 7 Intermediate tables

- These tables, along with the related Input-Output and multiplier tables, are produced every 5 years
- The 2015 Tables 3-7 are the so-called 'Intermediate' tables. They are calculated using the Supply table and the Use table. In turn they are used to create the three Input-Output tables. The flow can be simplified as follows:
- **Balanced Supply & Use tables → Use tables at basic prices → Domestic & Imported Use tables → Symmetric Input-Output tables → Coefficient table → Leontief table**



## Tables 3 - 7 Intermediate tables

- Calculation of Intermediate tables – run through
- Use Table at basic prices (Table 3)
- Use Table for domestic inputs at basic prices (Table 4)
- Use Table for imports at basic prices (Table 5)
- Use Table for trade margins (Table 6)
- Use Table for taxes less subsidies on products (Table 7)
- Repetition in S&U, Intermediate and I/O tables



## Contents - continued

### 5. Input-Output tables

6. Multipliers – Coefficient & Leontief tables
7. Repetition across the different tables
8. Previous year prices – real changes
9. Future developments?
10. Summary charts



## Tables 8 - 10 Input-Output tables

- **Balanced Supply & Use tables** → Use tables at basic prices → Domestic & Imported Use tables → **Symmetric Input-Output tables** → Coefficient table → Leontief table
- Required by legislation every five years
- Three types of Input-Output table
  - Total, domestic and imports tables
- Basic prices
- Product by product structure (unlike S&UT where industry by product)

## Tables 8 - 10 Input-Output tables

- Assumptions – product technology assumption
- What are symmetric tables? Sum of entries in any row = sum of entries in corresponding column
- Calculation of Input-Output tables – run through

**$X_p = U * S^{-1} * q$**  for Table 9 (domestic I/O):

**U** = Use table at basic prices (imports/taxes in separate rows)

**S** = Supply table (rows equal to vector  $q$ )

**Q** =  $n \times n$  matrix with row totals of  $S$  on the diagonal

**$X_p$**  = product- by-product Input-Output table



## Contents - continued

5. Input-Output tables
- 6. Multipliers – Coefficient & Leontief tables**
7. Repetition across the different tables
8. Previous year prices – real changes
9. Future developments?
10. Summary charts



## Tables 11 & 12 – Coefficients & Leontief

- How are the Leontief multipliers calculated?

$$L = (I - A)^{-1} \quad \text{Where:}$$

- **L** = Leontief inverse matrix
- **I** = Identity matrix
- **A** = Direct requirements matrix – each cell of the  $I^*I$  matrix divided by its column total
- Coefficient table (based in turn on **domestic Input-Output table**) is basis of Leontief table calculation
- Are there other types of multipliers? **Yes, many types.**





## Tables 11 & 12 – Coefficients & Leontief

- What do these **output multipliers** tell us? Upper portion of 2015 Table 12, using products of agriculture, forestry and fishing, estimates that each €1 of final demand for domestic output of products of agriculture, forestry and fishing requires:
  - **€1.239** output of domestically produced agriculture, forestry and fishing;
  - **€0.007** output of domestically produced mining and quarrying products;
  - **€0.049** output of domestically produced food, beverage and tobacco products; etc. **Note: These are gross figures**



## Tables 11 & 12 – Coefficients & Leontief

- The lower portion of 2015 Table 12, shows the **direct** plus **indirect** effect on other inputs per €1 final demand. In each column the sum of the coefficients of imports, taxes less subsidies, compensation of employees, consumption of fixed capital and net operating surplus add to 1.
- They show, after all the cycles of production are completed, how the additional unit of final demand was spread over these categories. **There is no duplication in these coefficients.**



## Tables 11 & 12 – Coefficients & Leontief

- Are there other types of multipliers?
- Yes. Multipliers above are **Type I multipliers** measuring the **direct** and **indirect** effects.
- There are also **Type II multipliers**. What is the difference between the two types? As a result of the direct and indirect effects the level of household income throughout the economy will increase as a result of increased employment, etc.
- A proportion of this increased income will be re-spent on final goods and services (positive feedback effect). **Type II multipliers** also include these **induced** effects of the additional demand.



## Contents - continued

5. Input-Output tables
6. Multipliers – Coefficient & Leontief tables
- 7. Repetition across the different tables**
8. Previous year prices – real changes
9. Future developments?
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## **Repetition across the different Tables**

- The same elements are repeated throughout the Supply & Use, Intermediate and Input-Output Tables.
- Consequently the same figures keep appearing through the tables.
- Let's look at repetition for NACE 1-3 products across the 2015 tables.

# Supply Table – Table 1

Table 1

2015 Supply Table at basic prices €m

	Industries						
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	Total supply at purchasers' prices (= total use in Table 2)
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103

Domestic supply of  
NACE 1-3 product  
€8.456 billion

Imports of NACE  
1-3 product  
€1.261 billion

Total supply of NACE 1-  
3 product at purchasers'  
prices is €11.633 billion

**The 2015 domestic supply of NACE 1-3 product at basic prices = €8.456 billion + Imports €1.261 billion = €9.717 billion + trade margins €1.790 billion + net taxes €126 million = Total supply €11.633 billion**

# Use Table at purchasers' prices – Table 2

Table 2

2015 Use Table at purchasers' prices €m

		Industries								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103

**Total use of NACE 1-3 product at purchasers' prices is €11.633 billion – the same figure we had in the Supply table – i.e. total use of the product = total supply of the product**

# Use Table at basic prices – Table 3

Table 3

2015 Use table at basic prices €m

		Industries								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total domestic supply + imports in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	6,682	1,703	-	-	111	-390	1,611	3,035	9,717
5-9	Mining, quarrying and extraction	3,162	190	-	8	178	66	435	877	4,039
10	Manufacture of food products	7,564	986	-	1	33	-362	19,028	19,685	27,249

**Total use of NACE 1-3 product at basic prices is €9.717 billion – the same figure we had in the Supply table – i.e. total domestic supply + total imports of the product**



# Use Table for domestic supply at basic prices – Table 4

Table 4

2015 Use table for domestic inputs at basic prices €m

		Industries								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total domestic supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	5,652	1,402	-	-	93	-301	1,611	2,804	8,456
5-9	Mining, quarrying and extraction	476	6	-	0	69	-98	435	412	888
10	Manufacture of food products	1,668	217	-	0	7	-80	19,028	19,173	20,841

**Total use of domestic supply of NACE 1-3 product at basic prices is €8.456 billion – the same figure we had in the Supply table – i.e. total domestic supply**

# Use Table for imports at basic prices – Table 5

Table 5  
2015 Use table for imports at basic prices €m

		Industries								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total imports in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	1,030	301	-	-	18	-88	-	231	1,261
5-9	Mining, quarrying and extraction	2,686	184	-	8	109	164	-	465	3,151
10	Manufacture of food products	5,896	769	-	0	26	-282	-	512	6,408

**Total use of imports of NACE 1-3 product at basic prices is €1.261 billion – the same figure we had in the Supply table – i.e. imports column figure for NACE 1-3 product**

# Use Table for trade margins – Table 6

Table 6  
2015 Use table for Trade margins €m

		Industries								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= trade margins in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	944	403	-	-	18	378	47	845	1,790
5-9	Mining, quarrying and extraction	183	31	-	1	19	175	3	229	411
10	Manufacture of food products	1,378	4,461	-	0	6	334	499	5,300	6,679

**Total trade margins of NACE 1-3 product is €1.790 billion – the same figure we had in the Supply table – i.e. trade margins column figure for NACE 1-3 product**

# Use Table for taxes less subsidies on products – Table 7

Table 7

2015 Use table for Taxes less subsidies on products €m

		Industries							Total Final uses	Total uses ( = taxes less subsidies in Table 1 )
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	<i>Products</i>									
1-3	Agriculture, forestry and fishing	71	56	-	-	-	-	-	56	126
5-9	Mining, quarrying and extraction	89	30	-	-	8	-	-	38	127
10	Manufacture of food products	14	161	-	-	-	-	-	161	175

**Total taxes minus subsidies on products of NACE 1-3 product are €126 million – the same figure we had in the Supply table – i.e. taxes on products figure of €170 million minus the subsidies on products figure of €43 million for NACE 1-3 product**

# Total Input-Output Table – Table 8

Input-Output is  
product\*product, so Total  
inputs (column) = total  
outputs (row) in a symmetric  
table

Total domestic inputs =  
€8.456 billion (= total  
domestic supply in table 1)  
Imports = €1.261 billion (=  
imports in Table 1)  
Total inputs at basic prices =  
€9.717 billion (= total  
domestic supply + imports in  
table 1) for NACE 1-3 product

**Table 8**  
**2015 Symmetric Input-Output Table of total product flows at basic prices €m**

	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	1,615
5-9	Mining, quarrying and extraction	44
10	Manufacture of food products	1,682
11-12	Manufacture of beverages and tobacco products	1
13	Manufacture of textiles	12
14	Manufacture of wearing apparel	4
15	Manufacture of leather and related products	0
16	Manufacture of wood and wood products (excluding furniture)	5
17	Manufacture of pulp, paper and paper products	8
18	Printing and reproduction of recorded media	1
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,	
26,28,	electronic & optical products, machinery and equipment n.e.c.,	
31,32	furniture, other manufacturing	370
20	Manufacture of chemicals and chemical products	260
22	Manufacture of rubber and plastic products	30
23	Manufacture of other non-metallic mineral products	7
24	Manufacture of basic metals	9
25	Manufacture of fabricated metal products	17
27	Manufacture of electrical equipment	6
29-30	Manufacture of motor vehicles, trailers, other transport equipment	24
33	Repair and installation of machinery and equipment	151
35	Electricity and gas supply	227
36	Water collection, treatment and supply	4
37-39	Sewerage, waste collection and remediation services	5
41-43	Construction and construction works	52
45	Wholesale and retail trade and repair of vehicles	43
46	Wholesale trade	721
47	Retail trade	20
49	Land transport services	25
50	Water transport services	5
51	Air transport services	1
52	Warehousing	5
53	Postal and courier services	4
55	Accommodation services	1
56	Food and beverage services	2
58-60	Publishing, film and broadcasting services	7
61	Telecommunications services	34
62-63	Computer programming, consultancy and data processing	6
64	Financial service activities	155
65	Insurance, reinsurance and pension funding	65
66	Other financial activities	0
68	Real estate activities	4
69	Legal and accounting activities	29
70	Head office and management consultancy activities	1
71	Architectural and engineering services	1
72	Scientific research and development services	22
73-75	Advertising, market research, other professional & scientific services	87
77	Rental and leasing activities	39
78	Employment services	3
79	Travel agency and tourism service activities	3
80-82	Security, office and business support activities	3
84	Public administration	5
85	Education services	1
86-88	Human health and social work activities	0
90-92	Cultural, arts and gambling activities	1
93	Recreation and sports activities	3
94	Membership organisation services	21
95	Repair of consumer goods	0
96	Other personal service activities	9
97	Private households with employed persons	-
	Total intermediate consumption	5,862
	Product taxes less subsidies	176
	Total consumption at purchasers' prices	6,038
	Compensation of Employees	638
	Operating surplus, net	2,502
	Consumption of fixed capital	851
	Non-product taxes less subsidies	1,573
	Value added	2,418
	Inputs (=Total domestic supply in Table 1)	8,456
	Imports (=Imports in Table 1)	1,261
	Total inputs (=Total domestic supply + Imports in Table 1)	9,717

# Total Input-Output Table – Table 8

Table 8

2015 Symmetric Input-Output Table of total product flows at basic prices €m

		Products									
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total outputs (= total domestic supply + import rows in Table 1)	
NACE	Products										
1-3	Agriculture, forestry and fishing	6,682	1,703	-	-	111	-390	1,611	3,035	9,717	
5-9	Mining, quarrying and extraction	3,162	190	-	8	178	66	435	877	4,039	
10	Manufacture of food products	7,564	986	-	1	33	-362	19,028	19,685	27,249	

**Input-Output is product\*product, so Total inputs (column) = total outputs (row) in a symmetric table**

**Total inputs = €8.456 billion + €1.261 billion (= €9.717 billion (= total domestic supply + imports in Table 1) = Total outputs for NACE 1-3 product**

# Total Domestic Input-Output Table – Table 9

Input-Output is  
 $\text{product} * \text{product}$ , so  
 Total inputs (column)  
 = total outputs (row)  
 in a symmetric table

Total domestic inputs  
 = €8.456 billion (= total domestic supply in Table 1)

**Table 9**  
**2015 Symmetric Input-Output Table of domestic product flows at basic prices**  
 €m

	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	1,575
5-9	Mining, quarrying and extraction	42
10	Manufacture of food products	315
11-12	Manufacture of beverages and tobacco products	0
13	Manufacture of textiles	0
14	Manufacture of wearing apparel	0
15	Manufacture of leather and related products	0
16	Manufacture of wood and wood products (excluding furniture)	2
17	Manufacture of pulp, paper and paper products	1
18	Printing and reproduction of recorded media	1
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	72
20	Manufacture of chemicals and chemical products	39
22	Manufacture of rubber and plastic products	6
23	Manufacture of other non-metallic mineral products	5
24	Manufacture of basic metals	0
25	Manufacture of fabricated metal products	5
27	Manufacture of electrical equipment	0
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2
33	Repair and installation of machinery and equipment	151
35	Electricity and gas supply	223
36	Water collection, treatment and supply	4
37-39	Sewerage, waste collection and remediation services	5
41-43	Construction and construction works	52
45	Wholesale and retail trade and repair of vehicles	43
46	Wholesale trade	70
47	Retail trade	20
49	Land transport services	25
50	Water transport services	4
51	Air transport services	0
52	Warehousing	5
53	Postal and courier services	3
55	Accommodation services	1
56	Food and beverage services	2
58-60	Publishing, film and broadcasting services	6
61	Telecommunications services	31
62-63	Computer programming, consultancy and data processing	6
64	Financial service activities	49
65	Insurance, reinsurance and pension funding	21
66	Other financial activities	0
68	Real estate activities	4
69	Legal and accounting activities	29
70	Head office and management consultancy activities	0
71	Architectural and engineering services	1
72	Scientific research and development services	0
73-75	Advertising, market research, other professional & scientific services	80
77	Rental and leasing activities	0
78	Employment services	3
79	Travel agency and tourism service activities	3
80-82	Security, office and business support activities	3
84	Public administration	5
85	Education services	1
86-88	Human health and social work activities	0
90-92	Cultural, arts and gambling activities	1
93	Recreation and sports activities	3
94	Membership organisation services	21
95	Repair of consumer goods	0
96	Other personal service activities	9
97	Private households with employed persons	-
	Total intermediate consumption	2,953
	Imports	2,909
	Product taxes less subsidies	176
	Total consumption at purchasers' prices	6,038
	Compensation of Employees	638
	Operating surplus, net	2,502
	Consumption of fixed capital	851
	Non-product taxes less subsidies	-1,573
	Value added	2,444
	Total inputs (=Total domestic supply in Table 1)	8,456
	Imports (=Imports in Table 1)	1,261
	Total inputs (=Total domestic supply + Imports in Table 1)	9,717

# Total Domestic Input-Output Table – Table 9

Table 9  
2015 Symmetric Input-Output Table of domestic product flows at basic prices  
€m

		Products								
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total outputs (= total domestic supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	5,652	1,402	-	-	93	-301	1,611	2,804	8,456
5-9	Mining, quarrying and extraction	476	6	-	0	69	-98	435	412	888
10	Manufacture of food products	1,668	217	-	0	7	-80	19,028	19,173	20,841

**Input-Output is product\*product, so Total inputs (column) = total outputs (row) in a symmetric table**

**Total domestic inputs = €8.456 billion (= total domestic supply in Table 1) for NACE 1-3 product**



# Total Imported Input-Output Table – Table 10

Input-Output is product\*product, so Total inputs (column) = total outputs (row) in a symmetric table

Total imported inputs = €2.909 billion (= imported inputs in Table 9)

Table 10

2015 Symmetric Input-Output Table of imported product flows at basic prices

€m		Products	1-3
			Agriculture, forestry and fishing
NACE	Products		
1-3	Agriculture, forestry and fishing		40
5-9	Mining, quarrying and extraction		2
10	Manufacture of food products		1,367
11-12	Manufacture of beverages and tobacco products		0
13	Manufacture of textiles		12
14	Manufacture of wearing apparel		3
15	Manufacture of leather and related products		0
16	Manufacture of wood and wood products (excluding furniture)		3
17	Manufacture of pulp, paper and paper products		7
18	Printing and reproduction of recorded media		0
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing		299
20	Manufacture of chemicals and chemical products		221
22	Manufacture of rubber and plastic products		23
23	Manufacture of other non-metallic mineral products		2
24	Manufacture of basic metals		9
25	Manufacture of fabricated metal products		11
27	Manufacture of electrical equipment		6
29-30	Manufacture of motor vehicles, trailers, other transport equipment		22
33	Repair and installation of machinery and equipment		-
35	Electricity and gas supply		4
36	Water collection, treatment and supply		-
37-39	Sewerage, waste collection and remediation services		0
41-43	Construction and construction works		-
45	Wholesale and retail trade and repair of vehicles		-
46	Wholesale trade		651
47	Retail trade		-
49	Land transport services		1
50	Water transport services		1
51	Air transport services		0
52	Warehousing		0
53	Postal and courier services		1
55	Accommodation services		1
56	Food and beverage services		0
58-60	Publishing, film and broadcasting services		1
61	Telecommunications services		3
62-63	Computer programming, consultancy and data processing		0
64	Financial service activities		106
65	Insurance, reinsurance and pension funding		44
66	Other financial activities		0
68	Real estate activities		-
69	Legal and accounting activities		0
70	Head office and management consultancy activities		0
71	Architectural and engineering services		0
72	Scientific research and development services		22
73-75	Advertising, market research, other professional & scientific services		6
77	Rental and leasing activities		38
78	Employment services		-
79	Travel agency and tourism service activities		-
80-82	Security, office and business support activities		-
84	Public administration		0
85	Education services		-
86-88	Human health and social work activities		0
90-92	Cultural, arts and gambling activities		0
93	Recreation and sports activities		0
94	Membership organisation services		-
95	Repair of consumer goods		-
96	Other personal service activities		0
97	Private households with employed persons		-
	Total intermediate consumption		2,909
	Domestic		2,953
	Product taxes less subsidies		176
	Total consumption at purchasers' prices		3,029
	Compensation of Employees		638
	Operating surplus, net		2,502
	Consumption of fixed capital		851
	Non-product taxes less subsidies		-1,573
	Value added		2,418
	Total inputs (=Total domestic supply in Table 1)		8,456
	Imports (=Imports in Table 1)		1,261
	Total inputs (=Total domestic supply + Imports in Table 1)		9,717

# Total Import Input-Output Table – Table 10

Table 10  
2015 Symmetric Input-Output Table of imported product flows at basic prices  
€m

	Products	Products							Total Final uses	Total outputs (= total imports in Table 1)
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	Products									
1-3	Agriculture, forestry and fishing	1,030	301	-	-	18	-88	-	231	1,261
5-9	Mining, quarrying and extraction	2,686	184	-	8	109	164	-	465	3,151
10	Manufacture of food products	5,896	769	-	0	26	-282	-	512	6,408

**Input-Output is product\*product, so Total inputs (column) = total outputs (row) in a symmetric table**

**Total imports = €1.261 billion (= total imports in Table 1) for NACE 1-3 product**



## Contents - continued

5. Input-Output tables
6. Multipliers – Coefficient & Leontief tables
7. Repetition across the different tables
- 8. Previous year prices – real changes**
9. Future developments?
10. Summary charts



## **Structure of PYP overview**

1. Background
2. Data requirements
3. Deflation of products & industries
4. Volume changes
5. Comparison with NIE

Table 13  
2015 Supply Table at previous year prices

		Industries						
		1-3	5-9	10	11-12	13	14	15
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products
NACE	Products							
1-3	Agriculture, forestry and fishing	8,622	-	-	-	-	-	-
5-9	Mining, quarrying and extraction	-	779	-	-	-	-	-
10	Manufacture of food products	6	0	19,833	52	-	-	-
11-12	Manufacture of beverages and tobacco products	-	-	8	3,056	-	-	-
13	Manufacture of textiles	-	-	-	-	231	1	-
14	Manufacture of wearing apparel	-	-	-	-	7	76	-
15	Manufacture of leather and related products	-	-	-	-	-	0	32
16-18	Manufacture of wood and wood products (excluding furniture)	7	-	-	-	1	-	-
17	Manufacture of pulp, paper and paper products	-	-	-	-	-	-	-
18	Printing and reproduction of recorded media	-	-	-	-	-	-	-
19,20,21,22,23,24,25,26,27,28,29,30,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	-	-	0	-	0	0	-
20	Manufacture of chemicals and chemical products	-	0	2,292	122	12	-	-
22	Manufacture of rubber and plastic products	-	-	-	-	0	0	2
23	Manufacture of other non-metallic mineral products	-	151	-	-	0	-	-
24	Manufacture of basic metals	-	-	-	-	-	-	-
25	Manufacture of fabricated metal products	-	-	-	-	1	-	-
27	Manufacture of electrical equipment	-	-	-	-	-	-	-
29-30	Manufacture of motor vehicles, trailers, other transport equipment	-	-	-	-	-	-	-
33	Repair and installation of machinery and equipment	-	-	-	2	2	-	-
35	Electricity and gas supply	5	-	-	-	-	-	-
36	Water collection, treatment and supply	-	-	-	-	-	-	-
37-39	Sewerage, waste collection and remediation services	-	-	-	-	-	-	-
41-43	Construction and construction works	29	-	-	-	-	-	-
45	Wholesale and retail trade and repair of vehicles	-	-	-	-	-	-	-
46	Wholesale trade	-	3	144	102	9	2	-
47	Retail trade	-	-	-	-	-	-	-
49	Land transport services	-	-	-	-	-	-	-
50	Water transport services	-	-	-	-	-	-	-
51	Air transport services	-	-	-	-	-	-	-
52	Warehousing	-	-	-	-	-	-	-
53	Postal and courier services	-	-	-	-	-	-	-
55	Accommodation services	13	-	-	-	-	-	-
56	Food and beverage services	-	-	-	-	-	-	-
58-60	Publishing, film and broadcasting services	-	-	17	-	-	-	-
61	Telecommunications services	-	-	-	-	-	-	-
62-63	Computer programming, consultancy and data processing	-	-	37	-	-	-	-
64	Financial service activities	-	-	-	-	-	-	-
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	-
66	Other financial activities	-	-	-	-	-	-	-
68	Real estate activities	-	-	-	-	-	-	-
69	Legal and accounting activities	-	-	-	-	-	-	-
70	Head office and management consultancy activities	-	-	-	-	-	-	-
71	Architectural and engineering services	-	-	-	-	-	-	-
72	Scientific research and development services	-	-	102	-	-	-	-
73-75	Advertising, market research, other professional & scientific services	-	-	138	11	-	-	-
77	Rental and leasing activities	-	-	354	49	-	-	-
78	Employment services	-	-	-	-	-	-	-
79	Travel agency and tourism service activities	-	-	-	-	-	-	-
80-82	Security, office and business support activities	-	-	-	-	-	-	-
84	Public administration	-	-	-	-	-	-	-
85	Education services	-	-	-	-	-	-	-
86-88	Human health and social work activities	-	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	2	-	-	-	-	-	-
93	Recreation and sports activities	9	-	-	-	-	-	-
94	Membership organisation services	-	-	-	-	-	-	-
95	Repair of consumer goods	-	-	-	-	-	-	-
96	Other personal service activities	-	-	-	-	-	-	-
97	Private households with employed persons	-	-	-	-	-	-	-
Total output by industry		8,693	933	22,926	3,395	263	79	34

Output by industry in PYP

Table 14  
2015 Use Table at previous year prices

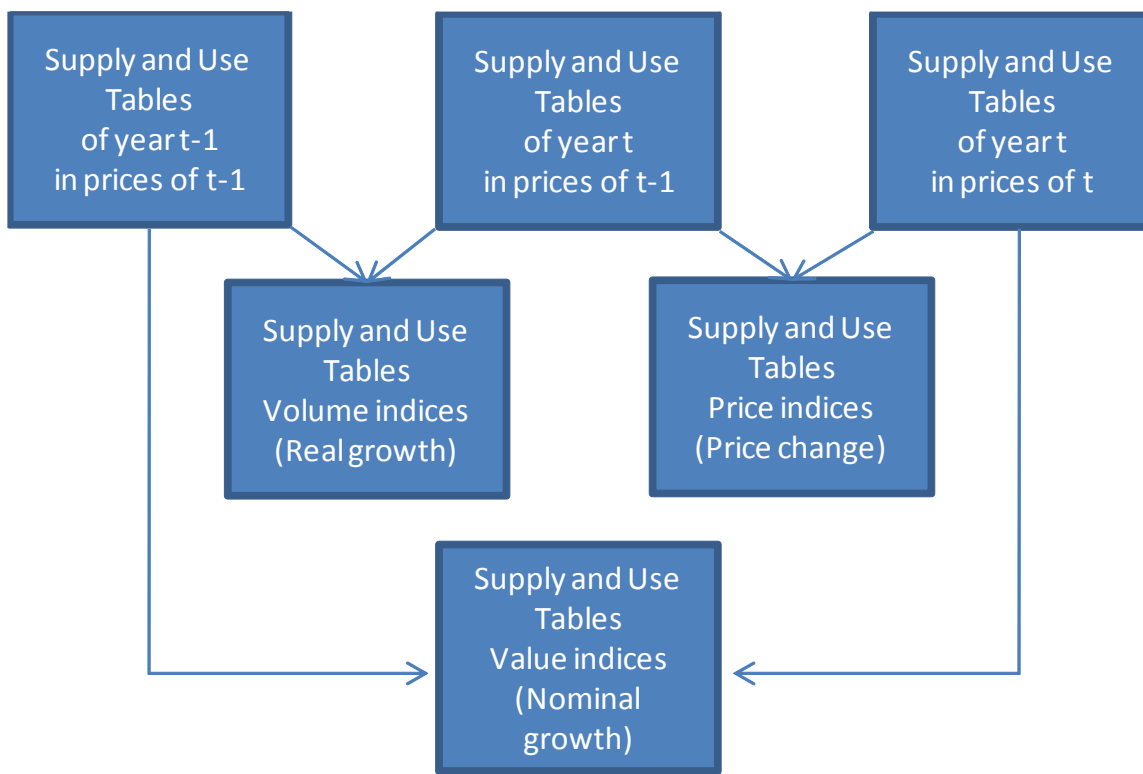
		Industries						
		1-3	5-9	10	11-12	13	14	15
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products
NACE	Products							
1-3	Agriculture, forestry and fishing	2,070	0	4,830	578	0	-	0
5-9	Mining, quarrying and extraction	63	127	59	15	0	0	-
10	Manufacture of food products	1,792	-	5,855	-	0	-	-
11-12	Manufacture of beverages and tobacco products	2	0	-	358	0	-	-
13	Manufacture of textiles	13	0	0	0	70	13	3
14	Manufacture of wearing apparel	1	0	0	0	0	1	-
15	Manufacture of leather and related products	0	0	0	0	0	-	7
16	Manufacture of wood and wood products (excluding furniture)	3	0	17	2	0	0	-
17	Manufacture of pulp, paper and paper products	7	0	221	23	2	1	0
18	Printing and reproduction of recorded media	3	0	4	0	0	0	0
19,21,22,23,24,25,26,27,28,29,30,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	583	50	307	19	3	0	0
20	Manufacture of chemicals and chemical products	495	21	305	29	23	1	0
22	Manufacture of rubber and plastic products	27	1	269	8	0	0	0
23	Manufacture of other non-metallic mineral products	11	22	34	3	0	-	-
24	Manufacture of basic metals	10	2	85	8	0	0	0
25	Manufacture of fabricated metal products	18	10	85	8	1	0	0
27	Manufacture of electrical equipment	6	1	45	2	0	0	0
29-30	Manufacture of motor vehicles, trailers, other transport equipment	18	16	1	0	0	0	-
33	Repair and installation of machinery and equipment	174	3	15	1	0	0	0
35	Electricity and gas supply	262	76	219	26	3	0	0
36	Water collection, treatment and supply	3	0	4	3	0	0	0
37-39	Sewerage, waste collection and remediation services	3	1	14	2	0	0	0
41-43	Construction and construction works	57	15	52	22	1	0	0
45	Wholesale and retail trade and repair of vehicles	32	1	15	3	0	0	0
46	Wholesale trade	22	-	1,050	38	-	-	-
47	Retail trade	17	-	5	9	4	-	-
49	Land transport services	21	22	177	27	3	1	1
50	Water transport services	7	1	35	3	0	0	0
51	Air transport services	1	7	108	59	2	0	0
52	Warehousing	5	0	54	3	0	0	0
53	Postal and courier services	4	-	10	-	-	-	-
55	Accommodation services	1	2	18	5	1	0	0
56	Food and beverage services	3	3	20	11	2	0	0
58-60	Publishing, film and broadcasting services	4	15	106	47	4	1	0
61	Telecommunications services	44	5	74	20	2	0	0
62-63	Computer programming, consultancy and data processing	4	0	73	0	0	-	-
64	Financial service activities	138	11	132	35	6	1	1
65	Insurance, reinsurance and pension funding	65	8	92	24	4	1	0
66	Other financial activities	0	4	33	9	1	0	0
68	Real estate activities	5	1	5	3	0	0	0
69	Legal and accounting activities	32	3	35	8	1	0	0
70	Head office and management consultancy activities	1	8	292	14	2	1	0
71	Architectural and engineering services	2	2	11	7	1	0	0
72	Scientific research and development services	17	10	80	62	2	1	0
73-75	Advertising, market research, other professional & scientific services	88	21	912	306	2	2	0
77	Rental and leasing activities	29	29	540	234	4	1	0
78	Employment services	3	0	25	8	6	0	-
79	Travel agency and tourism service activities	3	1	5	3	1	0	0
80-82	Security, office and business support activities	3	2	20	5	1	0	0
84	Public administration	3	-	-	-	-	-	-
85	Education services	1	-	-	-	-	-	-
86-88	Human health and social work activities	0	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	1	1	8	2	0	0	0
93	Recreation and sports activities	2	1	7	2	0	0	0
94	Membership organisation services	20	1	9	2	0	0	0
95	Repair of consumer goods	0	0	1	0	0	0	0
96	Other personal service activities	7	1	4	2	0	0	0
97	Private households with employed persons	-	-	-	-	-	-	-
Total intermediate consumption		6,205	507	16,375	2,058	156	28	15
Gross value added in previous year prices		2,488	426	6,551	1,337	107	51	19
Total output by industry (= last row of Table 13)		8,693	933	22,926	3,395	263	79	34

Intermediate consumption and GVA by industry in PYP



## 1. Background

### Link between Supply & Use Tables at current & constant prices





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Statistics  
Office

Supply & Use Tables and Input-Output Tables

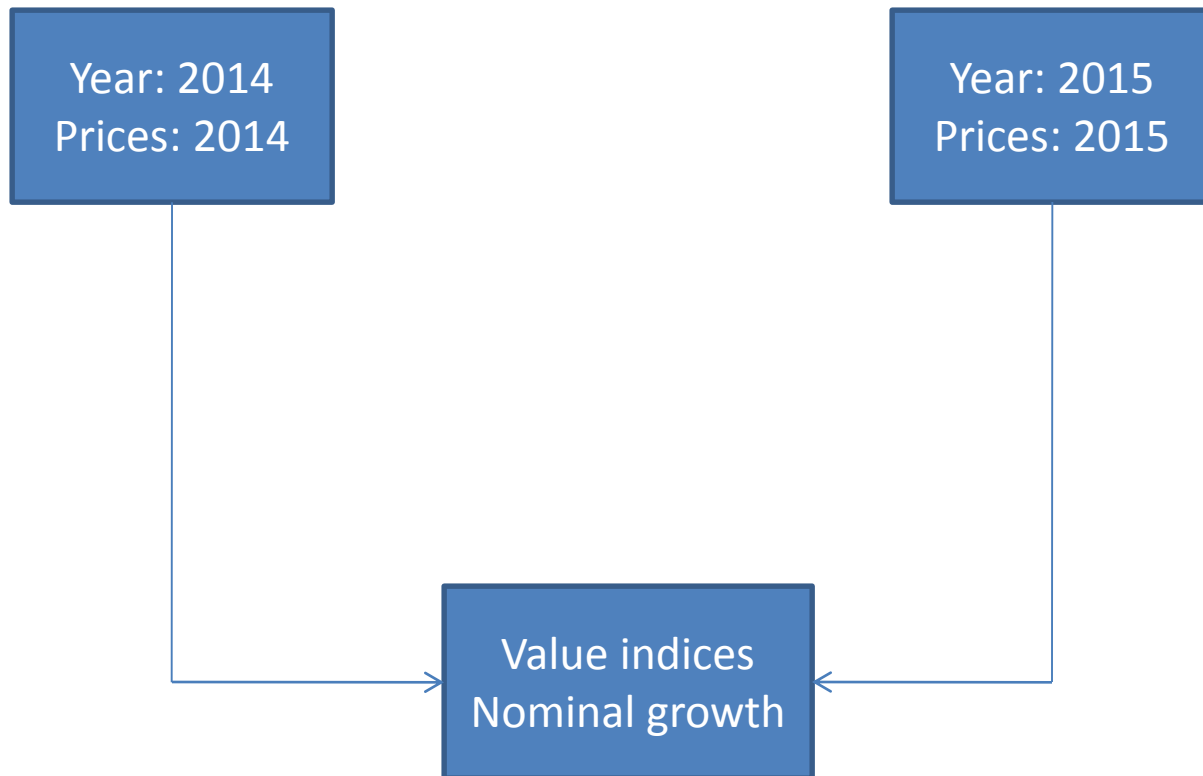
# Nominal growth

Year: 2014  
Prices: 2014

Year: 2015  
Prices: 2015



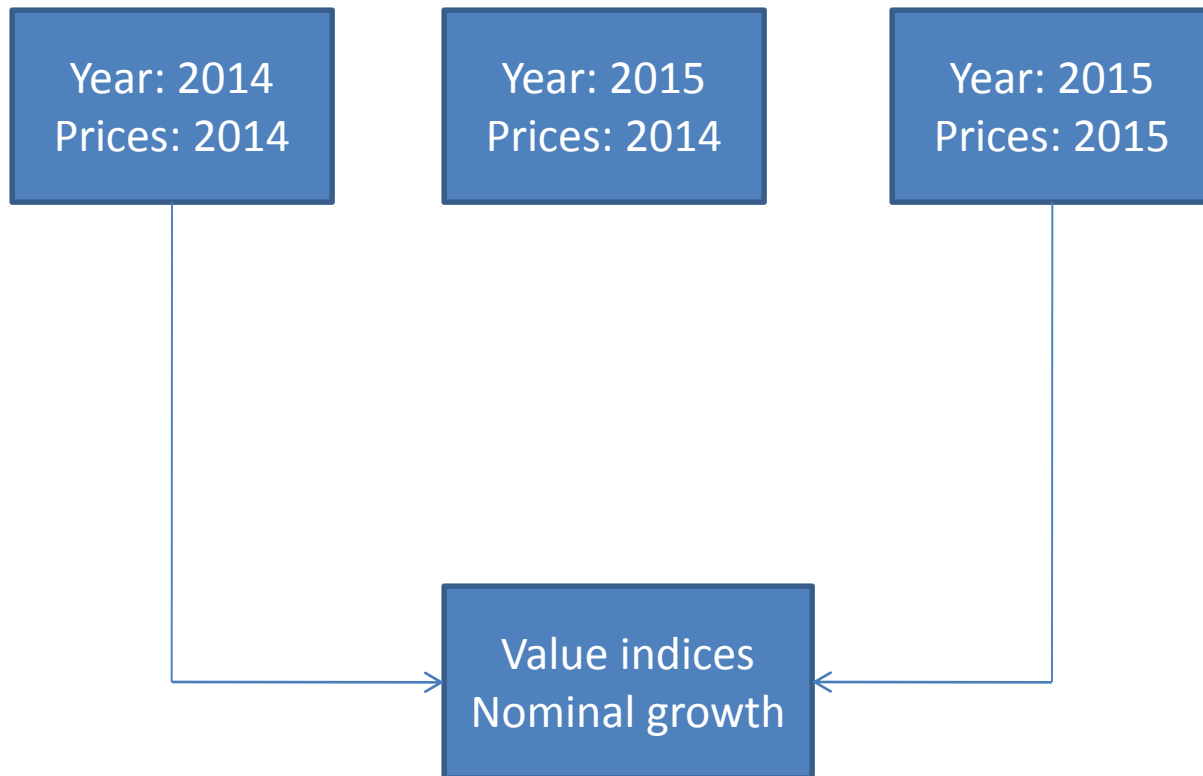
# Nominal growth





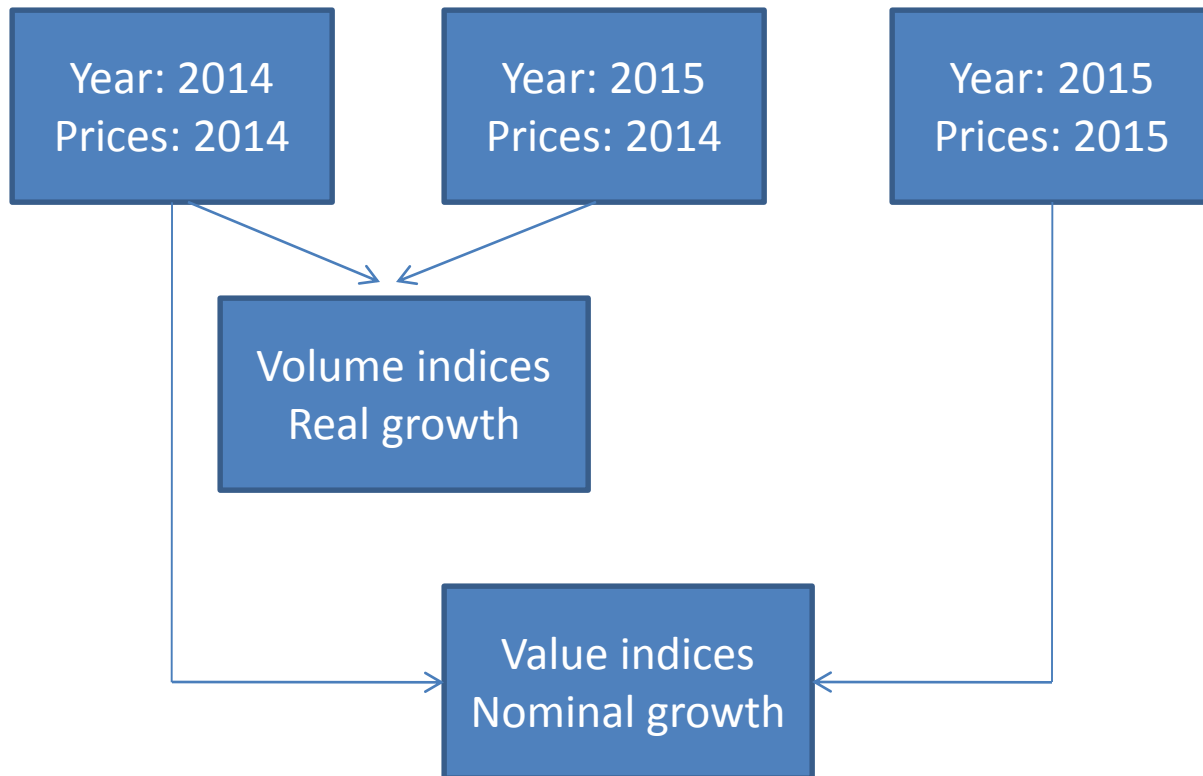


# Real growth and Price growth



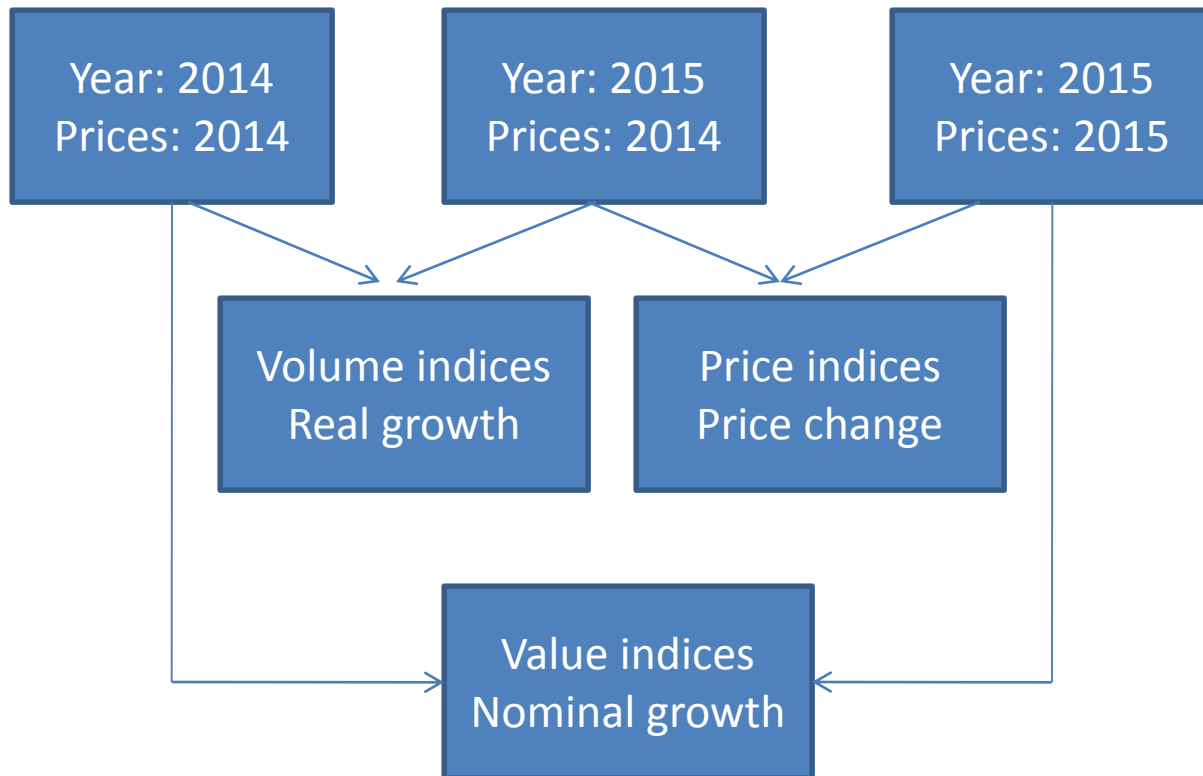


# Real growth and Price growth





# Real growth and Price growth





## Background continued

- We have seen S&UT provide a framework to compare different methods of compiling GDP estimates
- S&UT in PYP also for the same reason
  - Contains different estimates of GDP in PYP or GDP volume changes at a more detailed level
  - Allows for detailed analysis of price effects on GVA
  - Carried out experimentally at detailed level for 2006 & 2007 (NACE 1.1) + 2008, 2009, 2012-2015 (NACE Rev. 2)
- ESA 2010 requirement from 2018 for 2015 data
- Sequential vs. Simultaneous compilation approach
- Row by Row versus Column by Column approach



## 2. Data requirements

- S&UT in current prices
- Price indices or deflators to convert cells to PYP
- Supply table – Table 13
  - Better availability of deflators than in the Use table
  - PPI from WPI for most Manufacturing NACE codes
  - SPPI for some Service NACE codes
  - Trade Imports; 2-digit NACE unit value indices
  - Services Imports; often as for home produced
  - Trade margins: two-stage deflation
    - ‘Margin’ deflation: deflated at 3-digit NACE level using ASI
    - ‘Product’ deflation: using RSI & WPI
  - Product taxes and subsidies using deflated NA values



## Data requirements continued

- Use table – Table 14
  - Greater difficulties than the Supply table
  - At purchasers' prices (+ wholesale & retail margin)
  - No price index for raw materials for industry
  - Intermediate consumption can be home or import
  - Weighted average of WPI PPI 'home' & import unit value indices by 2-digit NACE
    - Special run from WPI for total/home/export sales price indices by detailed NACE code
  - Uses of services by industry; SPPI
  - Households & NPISH; CPI detailed sub-indices
  - Govt. expenditure; weighted average of salary & other costs
  - GFCF & Inventories; similar to National Accounts estimates
  - Exports; production industries PPI for export sales while for other sectors used SPPI, CPI indices, earnings indices, etc.



### **3. Deflation of products & industries**

- Description of deflators used & source
- Each element is deflated separately. Let's look at an example of the deflation of a row or product, NACE Rev. 2 16 (Manufacture of wood and wood products) in 2015.

Table 1  
2015 Supply Table at basic prices €m

Industries		1-3	5-9	10	11-12	13	14	15	16	17	18
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	Manufacture of wood and wood products (excluding furniture)	Manufacture of pulp, paper and paper products	Printing and reproduction of recorded media
NACE	Products										
1-3	Agriculture, forestry and fishing	8,456	-	-	-	-	-	-	-	-	-
5-9	Mining, quarrying and extraction	-	763	-	-	-	-	-	-	-	-
10	Manufacture of food products	6	0	20,549	54	-	-	-	-	1	-
11-12	Manufacture of beverages and tobacco products	-	-	8	3,059	-	-	-	-	-	-
13	Manufacture of textiles	-	-	-	-	229	1	-	-	1	1
14	Manufacture of wearing apparel	-	-	-	-	5	81	-	-	-	-
15	Manufacture of leather and related products	-	-	-	-	-	0	34	-	-	-
16	Manufacture of wood and wood products (excluding furniture)	7	-	-	-	2	-	-	875	3	0
17	Manufacture of pulp, paper and paper products	-	-	-	-	-	-	-	11	399	14
18	Printing and reproduction of recorded media	-	-	-	-	-	-	-	-	13	992

Table 1  
2015 Supply Table at basic prices €m

Industries							Total supply at purchasers' prices (= total use in Table 2)
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,777
13	Manufacture of textiles	273	481	210	88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
15	Manufacture of leather and related products	35	609	100	121	-	864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18	Printing and reproduction of recorded media	1,011	204	822	55	-	2,092

Deflating  
Supply  
table  
rows



Table 2

2015 Use Table at purchasers' prices €m

	Industries	1-3	5-9	10	11-12	13	14	15	16	17	18
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	Manufacture of wood and wood products (excluding furniture)	Manufacture of pulp, paper and paper products	Printing and reproduction of recorded media
NACE	Products										
1-3	Agriculture, forestry and fishing	2,012	0	4,664	559	0	-	0	195	0	0
5-9	Mining, quarrying and extraction	62	135	53	14	0	0	-	1	1	1
10	Manufacture of food products	1,745	-	5,702	-	0	-	-	0	1	0
11-12	Manufacture of beverages and tobacco products	3	0	-	371	0	-	-	0	0	0
13	Manufacture of textiles	13	0	0	0	74	14	3	2	1	4
14	Manufacture of wearing apparel	3	0	0	0	0	2	-	0	0	0
15	Manufacture of leather and related products	1	0	0	0	0	-	10	0	0	0
16	Manufacture of wood and wood products (excluding furniture)	3	0	18	2	0	0	-	118	1	1
17	Manufacture of pulp, paper and paper products	7	0	228	23	2	1	0	8	145	28
18	Printing and reproduction of recorded media	3	0	4	0	0	0	0	0	4	274

Table 2

2015 Use Table at purchasers' prices €m

	Industries	Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092

**Deflating  
Use table  
rows**

Table 13  
2015 Supply Table at previous year prices €m

Industries		1-3	5-9	10	11-12	13	14	15	16	17	18
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	Manufacture of wood and wood products (excluding furniture)	Manufacture of pulp, paper and paper products	Printing and reproduction of recorded media
NACE	Products										
1-3	Agriculture, forestry and fishing	8,622	-	-	-	-	-	-	-	-	-
5-9	Mining, quarrying and extraction	-	779	-	-	-	-	-	-	-	-
10	Manufacture of food products	6	0	19,833	52	-	-	-	-	1	-
11-12	Manufacture of beverages and tobacco products	-	-	8	3,056	-	-	-	-	-	-
13	Manufacture of textiles	-	-	-	-	231	1	-	-	1	1
14	Manufacture of wearing apparel	-	-	-	-	7	76	-	-	-	-
15	Manufacture of leather and related products	-	-	-	-	-	0	32	-	-	-
16	Manufacture of wood and wood products (excluding furniture)	7	-	-	-	1	-	-	819	3	0
17	Manufacture of pulp, paper and paper products	-	-	-	-	-	-	-	11	393	14
18	Printing and reproduction of recorded media	-	-	-	-	-	-	-	-	12	907
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	-	-	0	-	0	0	-	4	0	0
20	Manufacture of chemicals and chemical products	-	0	2,292	122	12	-	-	0	2	-
22	Manufacture of rubber and plastic products	-	-	-	-	0	0	2	6	10	1
23	Manufacture of other non-metallic mineral products	-	151	-	-	0	-	-	2	-	-
24	Manufacture of basic metals	-	-	-	-	-	-	-	-	-	0
25	Manufacture of fabricated metal products	-	-	-	-	1	-	-	2	0	1
27	Manufacture of electrical equipment	-	-	-	-	-	-	-	0	-	1
29-30	Manufacture of motor vehicles, trailers, other transport equipment	-	-	-	-	-	-	-	-	-	-
33	Repair and installation of machinery and equipment	-	-	-	2	2	-	-	-	-	2
35	Electricity and gas supply	5	-	-	-	-	-	-	-	-	-
36	Water collection, treatment and supply	-	-	-	-	-	-	-	-	-	-
37-39	Sewerage, waste collection and remediation services	-	-	-	-	-	-	-	-	-	-
41-43	Construction and construction works	29	-	-	-	-	-	-	-	-	-
45	Wholesale and retail trade and repair of vehicles	-	-	-	-	-	-	-	-	-	-
46	Wholesale trade	-	3	144	102	9	2	-	3	5	6
47	Retail trade	-	-	-	-	-	-	-	-	-	-
49	Land transport services	-	-	-	-	-	-	-	-	-	-
50	Water transport services	-	-	-	-	-	-	-	-	-	-
51	Air transport services	-	-	-	-	-	-	-	-	-	-
52	Warehousing	-	-	-	-	-	-	-	-	-	-
53	Postal and courier services	-	-	-	-	-	-	-	-	-	-
55	Accommodation services	13	-	-	-	-	-	-	-	-	-
56	Food and beverage services	-	-	-	-	-	-	-	-	-	-
58-60	Publishing, film and broadcasting services	-	-	17	-	-	-	-	-	-	-
61	Telecommunications services	-	-	-	-	-	-	-	-	-	-
62-63	Computer programming, consultancy and data processing	-	-	37	-	-	-	-	-	-	-
64	Financial service activities	-	-	-	-	-	-	-	-	-	-
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	-	-	-	-
66	Other financial activities	-	-	-	-	-	-	-	-	-	-
68	Real estate activities	-	-	-	-	-	-	-	-	-	-
69	Legal and accounting activities	-	-	-	-	-	-	-	-	-	-
70	Head office and management consultancy activities	-	-	-	-	-	-	-	-	-	-
71	Architectural and engineering services	-	-	-	-	-	-	-	-	-	-
72	Scientific research and development services	-	-	102	-	-	-	-	-	1	-
73-75	Advertising, market research, other professional & scientific services	-	-	138	11	-	-	-	-	76	-
77	Rental and leasing activities	-	-	354	49	-	-	-	-	-	-
78	Employment services	-	-	-	-	-	-	-	-	-	-
79	Travel agency and tourism service activities	-	-	-	-	-	-	-	-	-	-
80-82	Security, office and business support activities	-	-	-	-	-	-	-	-	-	-
84	Public administration	-	-	-	-	-	-	-	-	-	-
85	Education services	-	-	-	-	-	-	-	-	-	-
86-88	Human health and social work activities	-	-	-	-	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	2	-	-	-	-	-	-	-	-	-
93	Recreation and sports activities	9	-	-	-	-	-	-	-	-	-
94	Membership organisation services	-	-	-	-	-	-	-	-	-	-
95	Repair of consumer goods	-	-	-	-	-	-	-	-	-	-
96	Other personal service activities	-	-	-	-	-	-	-	-	-	-
97	Private households with employed persons	-	-	-	-	-	-	-	-	-	-
Total output by industry		8,693	933	22,926	3,395	263	79	34	846	504	933

## Deflating Supply table columns for Table 13

- The implication of the previous slides demonstrating deflation on a **row-by-row** basis means that **each industry's product outputs** were **deflated separately**

**Table 14**  
**2015 Use Table at previous year prices €m**

	Industries	1-3	5-9	10	11-12	13	14	15	16	17	18
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products	Manufacture of wood and wood products (excluding furniture)	Manufacture of paper products	Printing and reproduction of recorded media
NACE	Products										
1-3	Agriculture, forestry and fishing	2,070	0	4,830	578	0	-	0	191	0	0
5-9	Mining, quarrying and extraction	63	127	59	15	0	0	-	1	1	1
10	Manufacture of food products	1,792	-	5,855	-	0	-	-	0	1	0
11-12	Manufacture of beverages and tobacco products	2	0	-	358	0	-	-	0	0	0
13	Manufacture of textiles	13	0	0	0	70	13	3	1	1	3
14	Manufacture of wearing apparel	1	0	0	0	0	1	-	0	0	0
15	Manufacture of leather and related products	0	0	0	0	0	-	7	0	0	0
16	Manufacture of wood and wood products (excluding furniture)	3	0	17	2	0	0	-	112	1	1
17	Manufacture of pulp, paper and paper products	7	0	221	23	2	1	0	8	140	27
18	Printing and reproduction of recorded media	3	0	4	0	0	0	0	0	4	247
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	583	50	307	19	3	0	0	24	7	10
20	Manufacture of chemicals and chemical products	495	21	305	29	23	1	0	85	52	54
22	Manufacture of rubber and plastic products	27	1	269	8	0	0	0	2	3	1
23	Manufacture of other non-metallic mineral products	11	22	34	3	0	-	-	1	0	2
24	Manufacture of basic metals	10	2	85	8	0	0	0	14	1	3
25	Manufacture of fabricated metal products	18	10	85	8	1	0	0	12	2	3
27	Manufacture of electrical equipment	6	1	45	2	0	0	0	1	1	0
29-30	Manufacture of motor vehicles, trailers, other transport equipment	18	16	1	0	0	0	-	1	0	0
33	Repair and installation of machinery and equipment	174	3	15	1	0	0	0	1	0	1
35	Electricity and gas supply	262	76	219	26	3	0	0	32	5	8
36	Water collection, treatment and supply	3	0	4	3	0	0	0	0	0	1
37-39	Sewerage, waste collection and remediation services	3	1	14	2	0	0	0	1	0	1
41-43	Construction and construction works	57	15	52	22	1	0	0	25	5	3
45	Wholesale and retail trade and repair of vehicles	32	1	15	3	0	0	0	1	0	0
46	Wholesale trade	22	-	1,050	38	-	-	-	-	-	-
47	Retail trade	17	-	5	9	4	-	-	10	-	-
49	Land transport services	21	22	177	27	3	1	1	50	7	8
50	Water transport services	7	1	35	3	0	0	0	2	0	1
51	Air transport services	1	7	108	59	2	0	0	-	5	2
52	Warehousing	5	0	54	3	0	0	0	1	0	1
53	Postal and courier services	4	-	10	-	-	-	-	-	-	-
55	Accommodation services	1	2	18	5	1	0	0	1	0	1
56	Food and beverage services	3	3	20	11	2	0	0	3	1	2
58-60	Publishing, film and broadcasting services	4	15	106	47	4	1	0	8	15	52
61	Telecommunications services	44	5	74	20	2	0	0	3	1	2
62-63	Computer programming, consultancy and data processing	4	0	73	0	0	-	-	0	0	0
64	Financial service activities	138	11	132	35	6	1	1	10	9	6
65	Insurance, reinsurance and pension funding	65	8	92	24	4	1	0	7	2	4
66	Other financial activities	0	4	33	9	1	0	0	3	1	2
68	Real estate activities	5	1	5	3	0	0	0	1	0	1
69	Legal and accounting activities	32	3	35	8	1	0	0	2	1	2
70	Head office and management consultancy activities	1	8	292	14	2	1	0	5	3	0
71	Architectural and engineering services	2	2	11	7	1	0	0	2	1	1
72	Scientific research and development services	17	10	80	62	2	1	0	10	3	85
73-75	Advertising, market research, other professional & scientific services	88	21	912	306	2	2	0	7	12	36
77	Rental and leasing activities	29	29	540	234	4	1	0	18	20	29
78	Employment services	3	0	25	8	6	0	-	0	1	3
79	Travel agency and tourism service activities	3	1	5	3	1	0	0	1	0	1
80-82	Security, office and business support activities	3	2	20	5	1	0	0	2	0	2
84	Public administration	3	-	-	-	-	-	-	-	-	-
85	Education services	1	-	-	-	-	-	-	-	-	-
86-88	Human health and social work activities	0	-	-	-	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	1	1	8	2	0	0	0	1	0	0
93	Recreation and sports activities	2	1	7	2	0	0	0	1	0	0
94	Membership organisation services	20	1	9	2	0	0	0	1	0	0
95	Repair of consumer goods	0	0	1	0	0	0	0	0	0	0
96	Other personal service activities	7	1	4	2	0	0	0	1	0	0
97	Private households with employed persons	-	-	-	-	-	-	-	-	-	-
	Total intermediate consumption	6,205	507	16,375	2,058	156	28	15	664	310	609
	Gross value added in previous year prices	2,488	426	6,551	1,337	107	51	19	182	195	324
	Total output by industry (= last row of Table 13)	8,693	933	22,926	3,395	263	79	34	846	504	933

**Deflating Use table columns for Table 14**

- Similarly, each of the inputs of every individual industry sector were deflated separately



## 4. GVA Volume changes – Double deflation

- This means that S&UT at PYP provides a framework for **'Double deflation'** to obtain GVA in PYP.
- What is this? The separate deflation of outputs and inputs  
$$\text{Deflated GVA} = \text{Deflated Output (from Supply table)} - \text{deflated intermediate consumption (from Use table)}$$
 allows for **volume changes for each industry**
- More comprehensive than projecting forward 'value added' (changes in ratios of inputs to outputs, within inputs...)
- This is because the ratio of **Output** to **Intermediate consumption** and **Output** to **Value added** can change significantly year-on-year at a sector level.



## 5. Comparisons with volume changes in the NIE

- The main aggregates and sub-aggregates in the Supply & Use Tables must be consistent with the NIE in both current and previous year prices. Given the PYP figures in the S&UT have been generated through double deflation, unlike the bulk of the NIE deflation, adjustments must be incorporated in order to ensure consistency.



## Contents - continued

5. Input-Output tables
6. Multipliers – Coefficient & Leontief tables
7. Repetition across the different tables
8. Previous year prices – real changes
- 9. Future developments?**
10. Summary charts



## Future developments in S&U tables?

- Constant S&U tables simultaneously with current S&U tables? **Done for the first time for 2012 tables (Dec 15)**
- Publish within the  $n+3$  year? **Done for the first time for current tables in 2014, for constant tables in 2015**
- Timeliness of both current & constant S&UT – can the present  $n+3$  timeline (European standard) be improved? **Advance ( $n+1$ ), preliminary ( $n+2$ ) and final estimate ( $n+3$ ) structure? Data availability?**
- Incorporation of S&UT into revised NatAcc system? **Incorporation of Output method into national accounts? Method of balancing the accounts?**
- Implications (including resources) for NatAcc system?



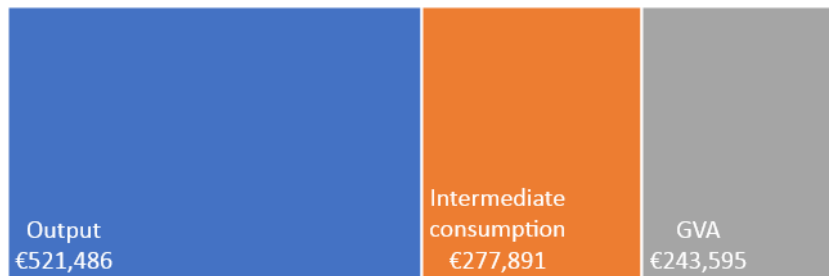
## Contents - continued

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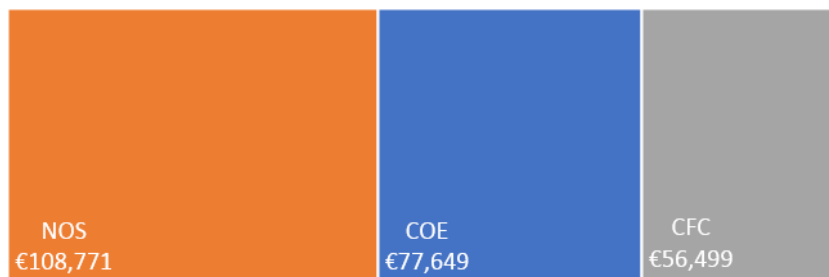


## Summary charts

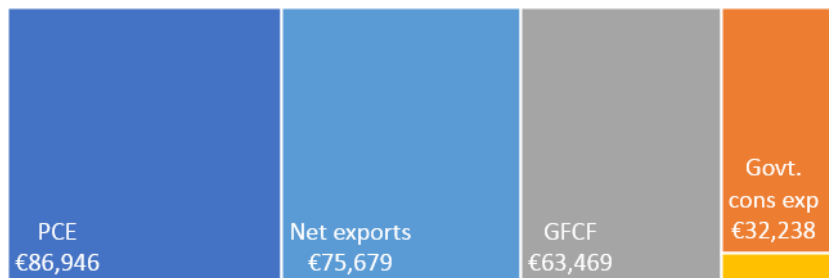
Output method – 2015 Gross Value Added (GVA)<sup>1</sup>



Income method – 2015 Gross Value Added (GVA)<sup>1</sup>



Expenditure method – 2015 Gross Domestic Product (GDP)<sup>1</sup>



Gross Domestic Product can be estimated using **three** distinct approaches. These are the **Production method** (also known as the **Output method**), the **Income method** and the **Expenditure method**

Total GVA in 2015 as per NIE2017 item 51 was €243,595 million.

Using the **Output method** calculation this was composed of €521,486 million of output minus €277,891 million of intermediate consumption equaling €243,595 million of GVA.

Using the **Income method** net operating surplus (NOS) was €108,771 million (including the statistical discrepancy), compensation of employees (COE) was €77,649 million, consumption of fixed capital (CFC) was €56,499 million while non-product taxes minus subsidies (the small yellow smear at the base of CFC) was €676 million equaling €243,595 million of GVA.

GVA is GDP in basic prices – i.e. with product taxes (NIE item 52) and product subsidies (NIE item 53) removed. Adding €19,764 million of product taxes and subtracting -€893 million of product subsidies to the GVA figure of €243,595 million gives us a GDP of €262,466 million (NIE item 54).

Using the **Expenditure method** personal consumption expenditure (PCE) was €86,946 million, net exports (exports minus imports) was €75,679 million, gross fixed capital formation (GFCF) was €63,469 million, government consumption expenditure was €32,238 million and the change in stocks and inventories (the yellow block at the base of government expenditure, including the statistical discrepancy) was €4,134 million. The sum of these give the GDP figure of €262,466 million.

<sup>1</sup> Figures in millions.

### Calculation of 2015 GDP (Output approach)

Total output at basic prices	A	€521.486 billion
Minus intermediate inputs at purchasers' prices	B	€277.891 billion
= Gross Value Added at basic prices	A-B	€243.595 billion (=NIE Item 51, Table 3)
Plus Taxes less subsidies on products	C	+€19.764 billion -€0.893 billion (=NIE items 52 & 53)
= Gross Domestic Product at market prices	A-B+C	€262.466 billion
<b>NIE2017 Item 54, Table 3</b>		<b>€262.466 billion</b>

### Calculation of 2015 GDP (Income approach)

Compensation of Employees	A	€77.649 billion (NIE Table 1)
Plus taxes less subsidies on production	B	€0.676 billion (NIE items 30 + 31)
Plus Gross Operating Surplus (=NOS+CFC)	C	€108.771 billion + €56.499 billion
= Gross Value Added at basic prices	A+B+C	€243.595 billion (=NIE Item 51, Table 3)
Plus Taxes less subsidies on products	D	+€19.764 billion -€0.893 billion (=NIE items 52 & 53)
= Gross Domestic Product at market prices	A+B+C+D	€262.466 billion
<b>NIE2017 Item 54, Table 3</b>		<b>€262.466 billion</b>

### Calculation of 2015 GDP (Expenditure approach)

Household final consumption	A	€85.245 billion
Plus Non-profit making institutions serving households	B	€1.701 billion (A+B=NIE item 79a)
Plus general Government final consumption	C	€32.238 billion (=NIE items 79b+80)
Plus Gross capital formation (+Statistical discrepancy)	D	€67.603 billion (=NIE items 81+82+85)
Plus Exports	E	€320.565 billion (NIE item 83)
= Total Final Demand	A+B+C+D+E	€507.352 billion
Minus Imports	F	€244.886 billion (NIE item 84)
= Gross Domestic Product at market prices	A+B+C+D+E-F	€262.466 billion
<b>NIE2017 Item 54, Table 3</b>		<b>€262.466 billion</b>

### GDP measured using the Output approach

Output by Industry (from the Supply table) minus Intermediate consumption by Industry (from the Use table) = GVA by Industry

### GDP measured using the Income approach

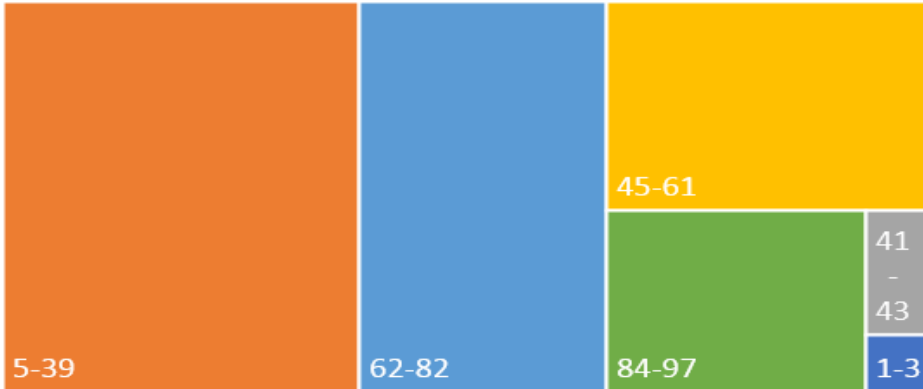
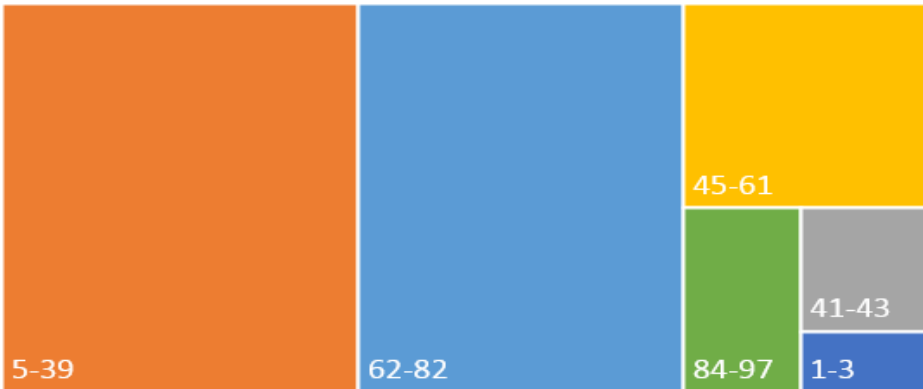
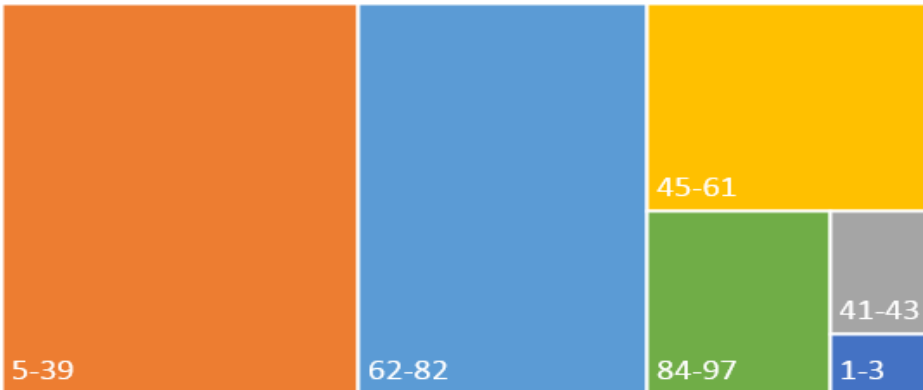
Gross Value Added (GDP at basic prices) is also equal to the costs of employment, taxes less subsidies levied upon production (e.g. business rates, vehicle excise duty) and Gross Operating Surplus (broadly analogous to profit).

Gross Operating Surplus (GOS) = Net Operating Surplus (NOS) + Consumption of Fixed Capital (CFC).

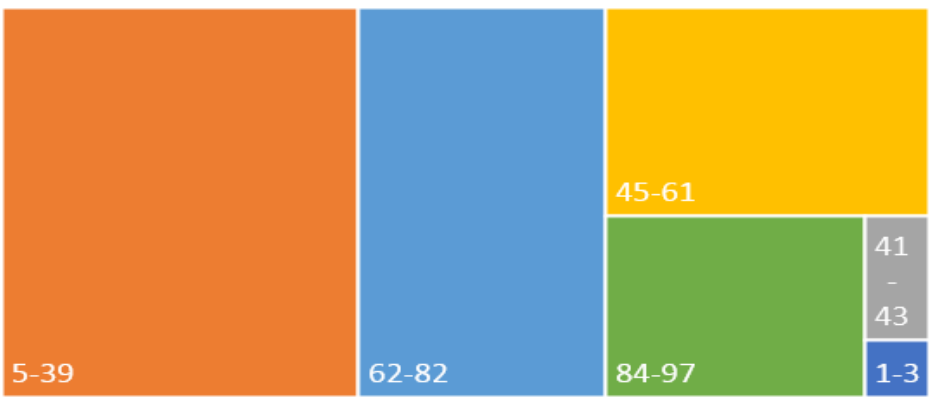
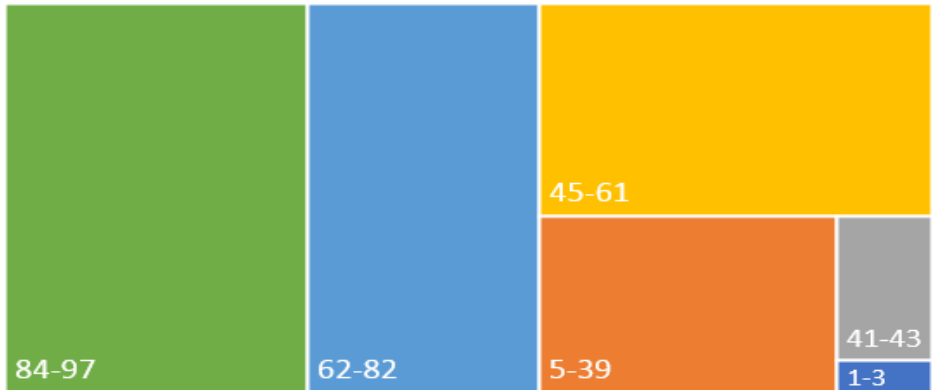
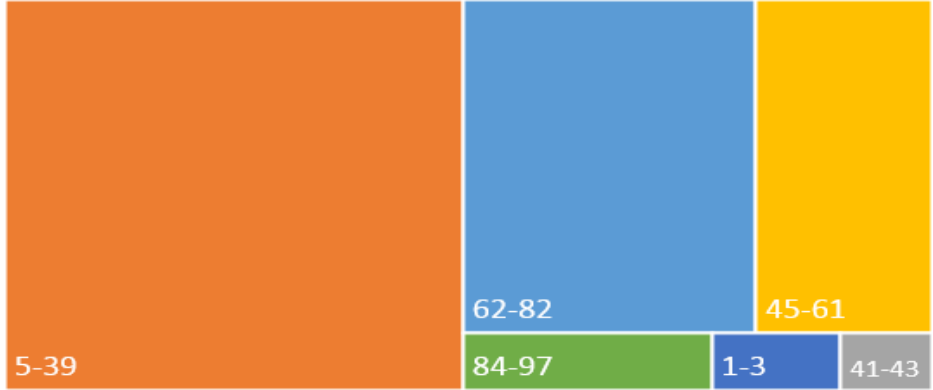
### GDP measured using the Expenditure approach

GDP (Gross Domestic Product at Market Prices) is usually defined and calculated as the sum of total final demand less total imports.

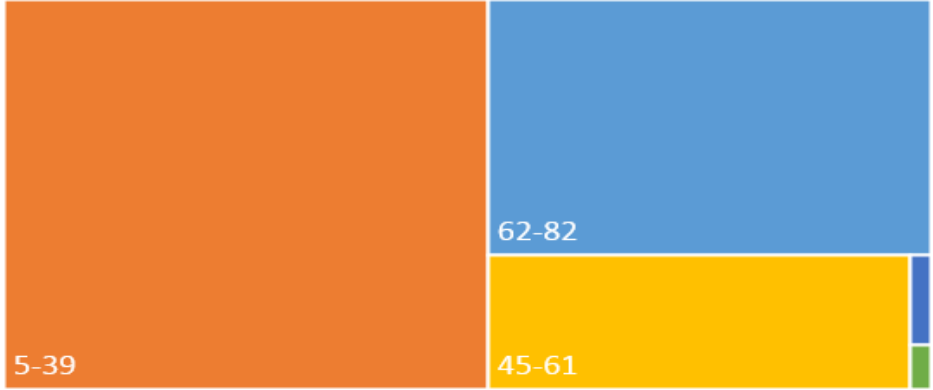
Total domestic demand comprises purchases (including all taxes that may apply) by: Households, Non-profit institutions, Tourists (expenditure by non-residents), and Government. Gross fixed capital formation, changes in inventories and valuables are also included. Final demand also includes the value of exports. Imports include goods and services and includes expenditure by residents outside Ireland.



€million				
NACE	Description	Output at basic prices	Intermediate consumption	GVA
1-3	Agriculture, forestry & fishing	8,530	6,080	2,450
5-39	Manufacturing	200,337	106,679	93,658
41-43	Construction	17,505	12,180	5,324
45-61	Distribution, transport & communication	84,027	38,713	45,315
62-82	Business services	162,518	97,511	65,007
84-97	Other services	48,569	16,729	31,841
Total		521,486	277,891	243,595

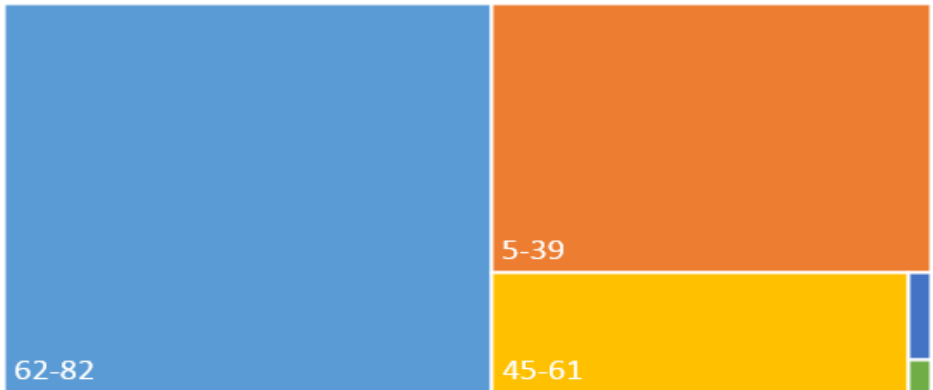


Income method – Gross value added (GVA) at basic prices by broad industry group		€million		
NACE	Description	GOS	COE	GVA
1-3	Agriculture, forestry & fishing	3,368	655	2,450
5-39	Manufacturing	81,579	11,310	93,658
41-43	Construction	2,368	2,928	5,324
45-61	Distribution, transport & communication	26,793	17,967	45,315
62-82	Business services	44,648	19,468	65,007
84-97	Other services	6,513	25,322	31,841
<b>Total</b>		<b>165,270</b>	<b>77,649</b>	<b>243,595</b>



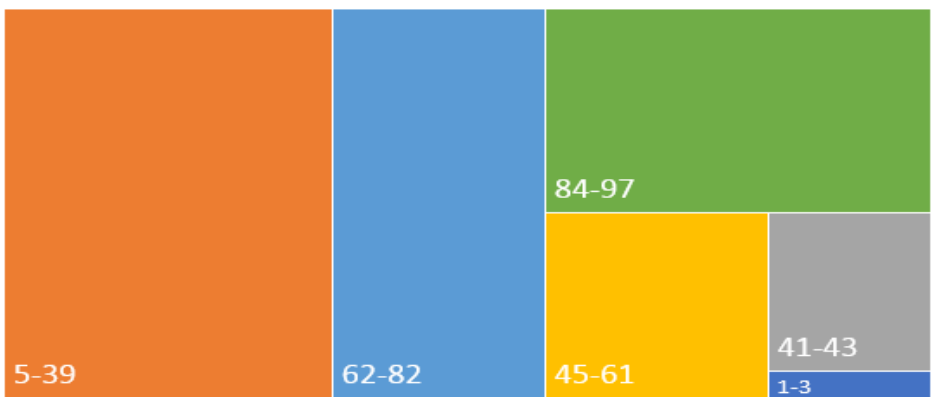
Expenditure method – Exports by broad product group

*Exports include a cost, insurance and freight (cif)/free on board (fob) adjustment and an adjustment for expenditure by non-residents.*



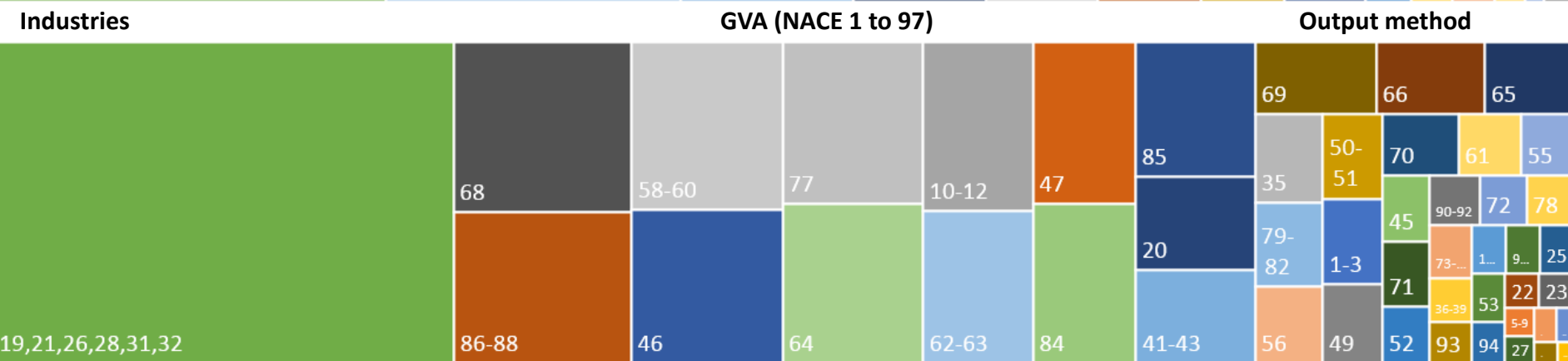
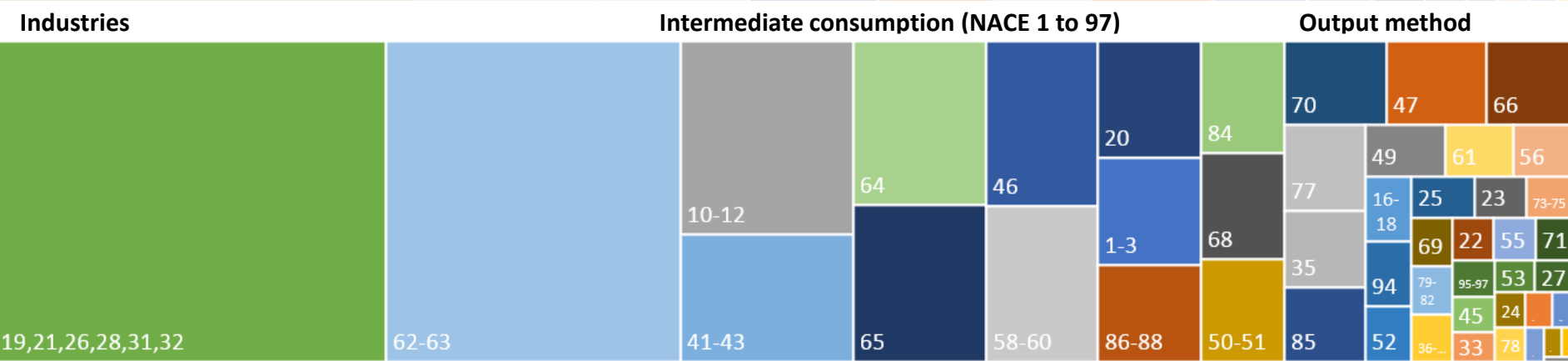
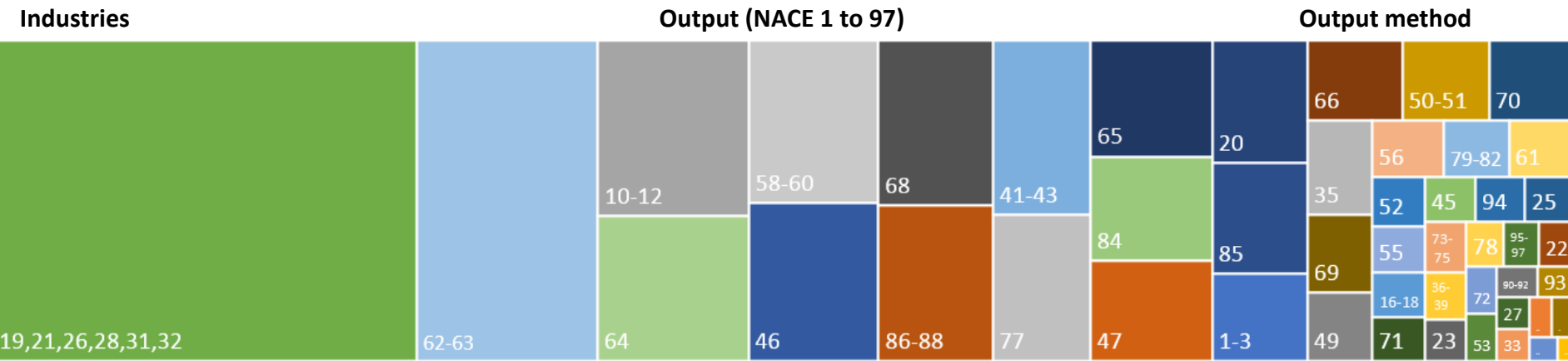
Expenditure method – Imports by broad product group

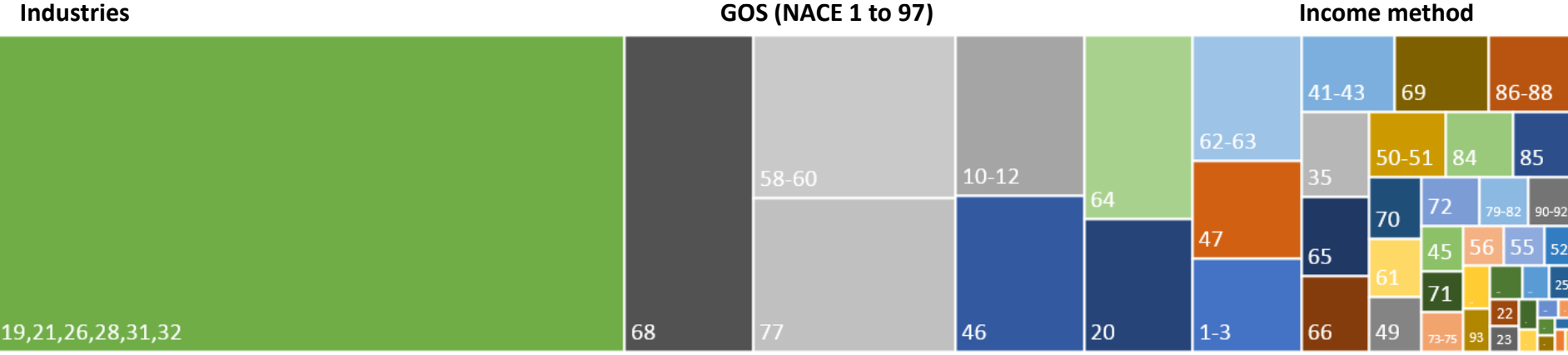
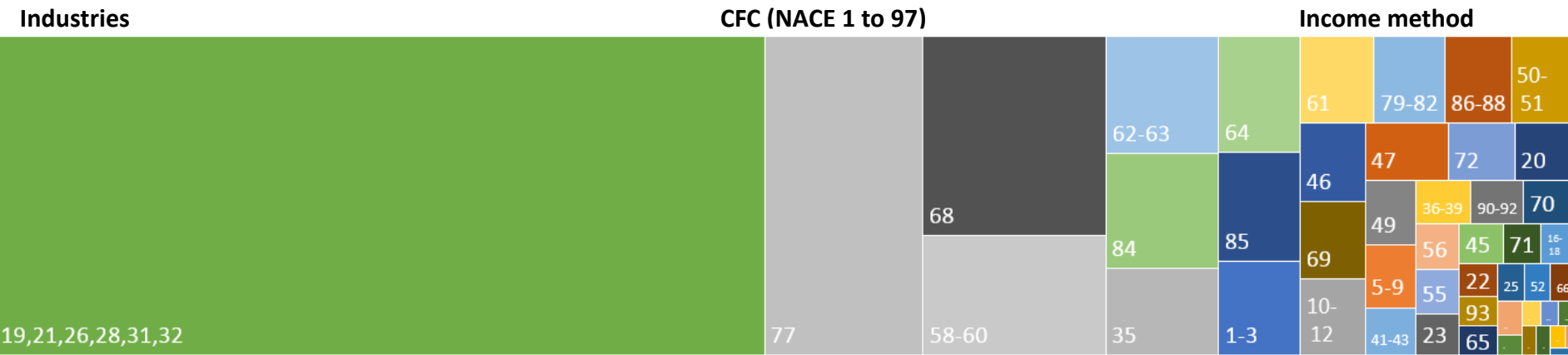
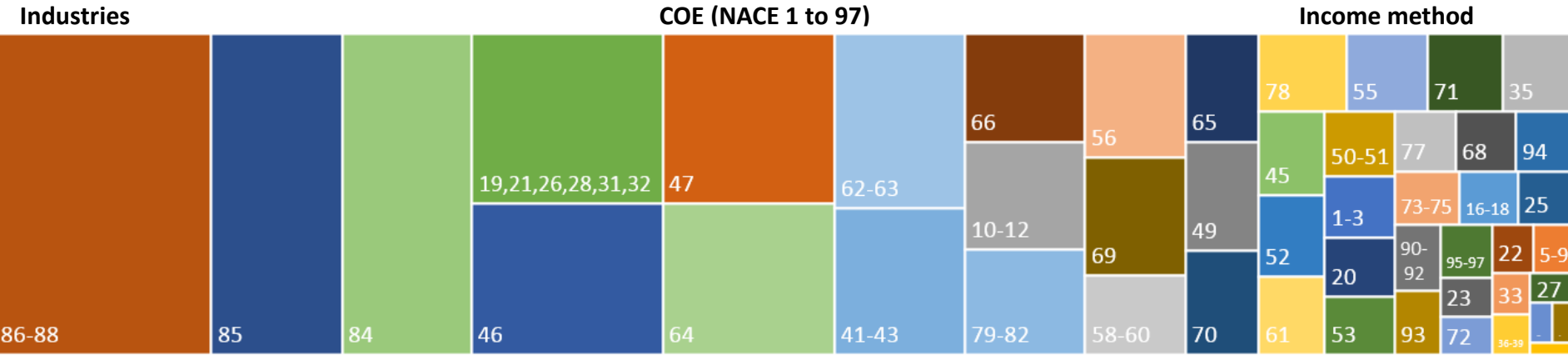
*Imports include a cost, insurance and freight (cif)/free on board (fob) adjustment and an adjustment for expenditure outside the state.*

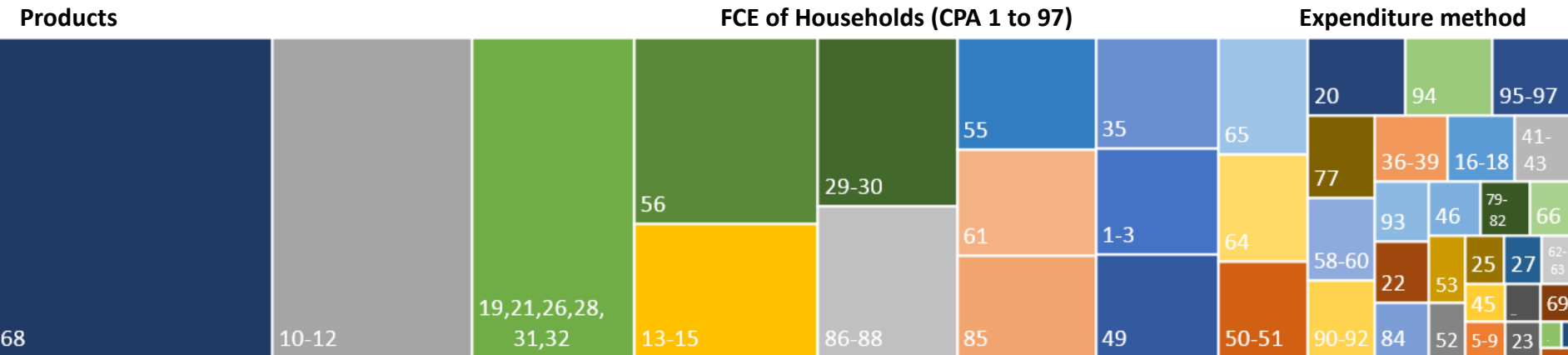
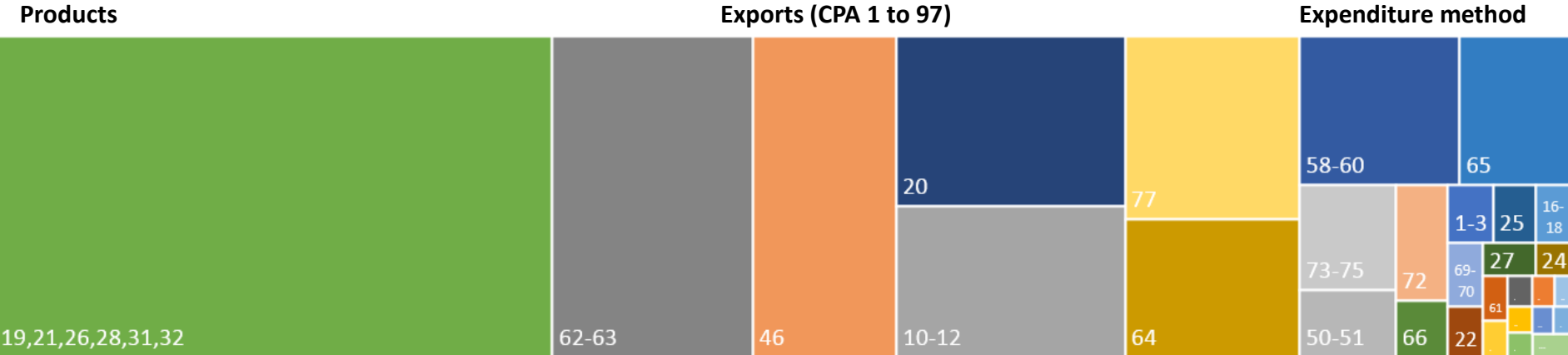
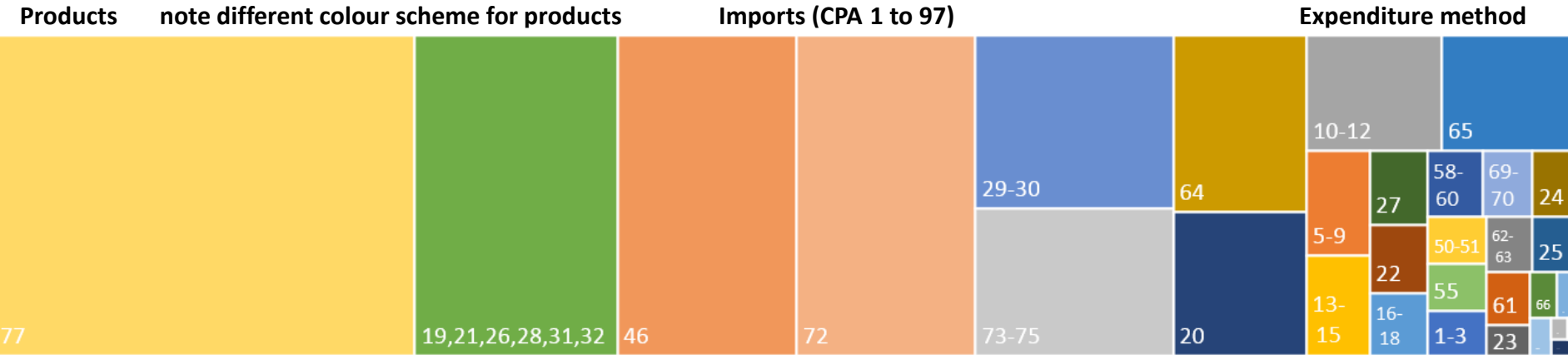


Expenditure method – Consumption and gross capital formation (GCF) by broad product group

NACE	Description	Exports	Imports	Consumption & GCF
1-3	Agriculture, forestry & fishing	1,658	1,261	2,279
5-39	Manufacturing	165,424	78,442	65,663
41-43	Construction	0	0	13,322
45-61	Distribution, transport & communication	49,833	33,440	21,314
62-82	Business services	99,424	126,644	42,626
84-97	Other services	792	493	40,411
<b>Total</b>		<b>317,131</b>	<b>240,280</b>	<b>185,615</b>









**Code Description (NACE refers to industries, CPA to products)**

1-3	Agriculture, forestry and fishing	50	Water transport services
5-9	Mining, quarrying and extraction	51	Air transport services
10	Manufacture of food products	52	Warehousing
11-12	Manufacture of beverages and tobacco products	53	Postal and courier services
13	Manufacture of textiles	55	Accommodation services
14	Manufacture of wearing apparel	56	Food and beverage services
15	Manufacture of leather and related products	58-60	Publishing, film and broadcasting services
16	Manufacture of wood and wood products (excluding furniture)	61	Telecommunications services
17	Manufacture of pulp, paper and paper products	62-63	Computer programming, consultancy and data processing
18	Printing and reproduction of recorded media	64	Financial service activities
19,21,26,28,31,32	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	65	Insurance, reinsurance and pension funding
20	Manufacture of chemicals and chemical products	66	Other financial activities
22	Manufacture of rubber and plastic products	68	Real estate activities
23	Manufacture of other non-metallic mineral products	69	Legal and accounting activities
24	Manufacture of basic metals	70	Head office and management consultancy activities
25	Manufacture of fabricated metal products	71	Architectural and engineering services
27	Manufacture of electrical equipment	72	Scientific research and development services
29-30	Manufacture of motor vehicles, trailers, other transport equipment	73-75	Advertising, market research, other professional & scientific
33	Repair and installation of machinery and equipment	77	Rental and leasing activities
35	Electricity and gas supply	78	Employment services
36	Water collection, treatment and supply	79	Travel agency and tourism service activities
37-39	Sewerage, waste collection and remediation services	80-82	Security, office and business support activities
41-43	Construction and construction works	84	Public administration
45	Wholesale and retail trade and repair of vehicles	85	Education services
46	Wholesale trade	86-88	Human health and social work activities
47	Retail trade	90-92	Cultural, arts and gambling activities
49	Land transport services	93	Recreation and sports activities
		94	Membership organisation services
		95	Repair of consumer goods
		96	Other personal service activities
		97	Private households with employed persons