

Supply & Use Tables & Use Tables & Use Tables & Use Tables Input-Output Tables

User guide



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



Contents

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





Contents - continued

- 5. Input-Output tables
- Multipliers Coefficient & Leontief tables
- 7. Repetition across the different tables
- 8. Previous year prices real changes



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Supply & Use Tables and Input-Output Tables

- 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)
 - From 2018 also ESA requirement for constant price (PYP)
 Supply & Use tables
- When?
 - All by end of year N+3 (i.e. 2013 tables by end 2016)



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Supply & Use Tables and Input-Output Tables

Overview of Table structure

- Table 1 Supply Table at basic prices (product by industry)
- Table 2 Use Table at purchasers' prices (product by industry)
- Table 3 Use Table at basic prices (product by industry)
- Table 4 Use Table for domestic inputs at basic prices (product by industry)
- Table 5 Use Table for imports at basic prices (product by industry) Intermediate tables
- Table 6 Use Table for trade margins (product by industry)
- Table 7 Use Table for taxes less subsidies on products (product by Industry)
- Table 8 Symmetric Input-Output Table of total product flows (product by product)
- Table 9 Symmetric Input-Output Table of domestic product flows (product by product)
- Table 10 Symmetric Input-Output Table of imported product flows (product by product)
- Table 11 Coefficients of domestic product flows (product by product)
- Table 12 The Leontief inverse of domestic flows with multipliers for other inputs (product by product)

Supply &

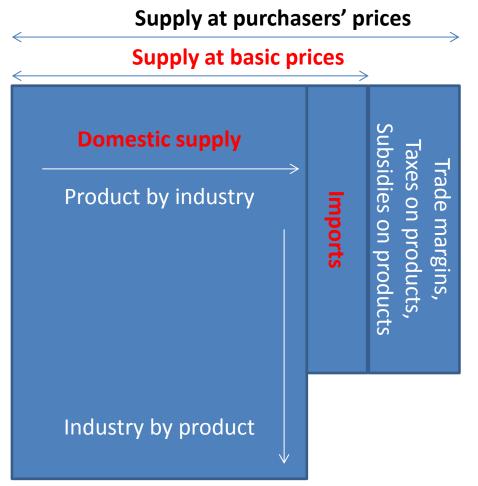
Table 1 2013 Sup	pply Table at basic prices €m SUC	vlac	Tal	ble	$\overline{-T}$	able	1		Table 2 2013 Use	Table at purchasers' prices €m	se '	Tak	le -	_ 1	ab	le '	2
·	Industries	1-3	5-9	10-12			17	18		Industries	1-3	5-9	10-12	13-15	16	17	18
row	Industries	Agriculture, forestry and fishing		Food & beverages and tobacco broducts	vearing nd leather	Wood and wood products (excl	Pulp, paper and paper products	Printed matter and recorded media			Agriculture, forestry and fishing	Mining, quarrying and extraction	Food & beverages and tobacco products Textiles, wearing	apparel and leather products Wood and wood	products (excl furniture)	Pulp, paper and paper products	Printed matter and recorded media
1-30	Products Products Products Proculture, forestry and fishing Mining, quarrying and extraction	र्दे ह	≥ ka - 964	고 등 <u>등</u> 17 -	0		<u>ā ā</u> .	PI I I'E	1-3 5-9 10-12	Products Agriculture, forestry and fishing Mining, quarrying and extraction Food & beverages and tobacco products	2,351 68 1,769	0 105 0	4,619 89 5,056	1 1 0	183 1 0	0 1 1	0 2 0
10-12 13-15	Food & beverages and tobacco products Textiles, wearing apparel and leather products Wood and wood products (excl furniture)	6 - 5	8 -	20,668 - -	5 373 -	- - 703	0 1 2	- 0 0	13-15 16 17	Textiles, wearing apparel and leather products Wood and wood products (excl furniture) Pulp, paper and paper products	19 3 12	0 0 0	0 24 229	130 0 6	1 133 6	1 1 117	4 1 31
1 <mark>7</mark> 18	Pulp, paper and paper products Printed matter and recorded media Petroleum; furniture; other manufacturing	- - -	- - 12	- - -	1 - 1	8 - 1	339 20 0	18 1,011	18 19,31,32 20	Printed matter and recorded media Petroleum; furniture; other manufacturing Chemicals and chemical products	2 386 554	0 28 11	6 257 291	0 5 31	0 11 40	3 5 20	238 7 64
21. 22.	Chemicals and chemical products Basic pharmaceutical products Rubber and plastics	- - -	17 - -	1,939 69 -	12 - 1	1 - 4	4 - 9	- - 0	21 22 23 24	Basic pharmaceutical products Rubber and plastics Other non-metallic mineral products Basic metals	182 24 12 17	0 1 12 1	355 44 116	1 0 1	1 0 12	3 0 1	1 2 3
24 25	Other non-metallic mineral products Basic metals Fabricated metal products Computer plactronic & entirel products	- - -	51 - -	- - -	0 2 0	3 - 0	- 0	0	25 26 27	Fabricated metal products Computer, electronic & optical products Electrical equipment	18 9 7	6 0 0	117 0 38	0	10 1 0	2 0 1	4 1 0
27 28	Computer, electronic & optical products Electrical equipment Machinery and equipment n.e.c. Motor vehicles, trailers and semi-trailers	- - -	- - -	- - -	0 -	0 1 -	- - -	0 0	28 29 30 33	Machinery and equipment n.e.c. Motor vehicles, trailers and semi-trailers Other transport equipment Repair/installation of machinery & equipment	8 9 5 140	11 0 7 1	82 1 1 20	3 0 0	10 1 1 1	2 0 0	6 0 0 1
30 33	Other transport equipment Repair/installation of machinery & equipment Electricity and gas supply	- - 4	- - 11	1	- 0 -	- - -	- - -	1	35 36 37-39	Electricity and gas supply Water collection, treatment and supply Sewerage, refuse and remediation services	251 6 5	37 0 1	279 15 20	9 1 0	36 1 1	5 0 1	19 3 1
37-39 41-43	Water collection, treatment and supply Sewerage, refuse and remediation services Construction and construction works	- - 24	- - -	- - -	- - -	- - -	-	-	41-43 45 46 47	Construction and construction works Wholesale & retail trade/repair of vehicles Wholesale trade Retail trade	67 26 99 28	13 2 1 1	63 11 928 19	3 0 8	10 1 22 11	4 0 0	7 10 0 0
46	Wholesale & retail trade/repair of vehicles Wholesale trade Retail trade Land transport services	- - -	- 7 -	- 292 - -	- 14 -	- 5 - -	- 0 -	- 2 -	49 50 51	Land transport services Water transport services Air transport services	19 3 1	16 1 8	131 22 191	5 0 3	36 1	7 0 4	3 0 8
50 51	Water transport services Air transport services Warehousing	- - -	- - -	- - -	- - -	- - -	-	-	52 53 55-56 58-60	Warehousing Postal and courier services Accommodation and food & beverage services Publishing, film and broadcasting services	4 4 4 2	0 2 2 6	30 5 53 135	0 1 4 6	0 1 4 6	0 1 2 9	0 2 5 51
55-56 58-60	Postal and courier services Accommodation and food & beverage services Publishing, film and broadcasting services	- 12 -	- - -	- - 7	- - -	- - -	- - 0	- - 24	61 62-63 64	Telecommunications services Computer consultancy; data processing Financial intermediation services	41 2 67	2 0 5	93 0 165	2 0 8	2 0 9	1 0 13	3 0 12
	Telecommunications services Computer consultancy; data processing Financial intermediation services Insurance, reinsurance and pension funding	- - -	- - -	16 -	- - -	- - -	- - -	- 24 -	65 66 68 69-70	Insurance, reinsurance and pension funding Other financial activities Real estate services Legal and accounting services; mgt consultancy	51 0 5 15	4 2 0 3	113 41 8 403	6 2 1 3	6 2 1 3	3 1 0 3	8 3 1 3
66 68	Other financial activities Real estate services Legal and accounting services; mgt consultancy	- - -	- - -	- 47 -	- - -	- - -	- - -		71 72 73	Architectural and engineering services Scientific research and development services Advertising and market research services	2 16 5	1 0 7	16 20 1,377	2 0 3	2 1 3	1 0 6	2 64 107
71 72 73	Architectural and engineering services Scientific research and development services Advertising and market research services	- - -	- - -	70 32	-	- - -	- - -	- 23 -	74-75 77 78 79	Other professional, scientific services Rental and leasing services Employment services Travel and tourism service activities	74 17 3 2	0 13 0 0	6 243 41 8	0 1 0 1	0 3 0 1	0 1 2 0	1 34 6 1
77 78	Other professional, scientific services Rental and leasing services Employment services	- - -	- - -	148 388 -	- - -	- 3 -	58 - -	6 - -	80-82 84 85	Security, office & business support services Public administration Education services	3 2 1	1 -	24	1 -	1 -	1 -	2
84	Travel and tourism service activities Security, office & business support services Public administration Education services	- - -	- - -	-	- - -	- - -	-	- - - 0	86-88 90-92 93 94	Human health and social work services Cultural, arts and gambling activities Recreation and sports activities Membership organisation services	0 2 2 15	- 0 0	10 9 11	1 0 1	1 0 1	0 0 0	- 1 1
86-88 90-92 93	Human health and social work services Cultural, arts and gambling activities Recreation and sports activities	- 2 4	- - -	- - -	- - -	- - -	- - -	-	95 96 97	Repair of consumer goods Other personal service activities Private households with employed persons	0	0 0 -	2 5 -	0 0 -	0	0	0 1 -
95	Membership organisation services Repair of consumer goods Other personal service activities Private households with employed persons		\	- - -	- - 1	- - -	- - -	-		Total intermediate consumption Compensation of Employees Operating surplus, net Consumption of fixed capital	6,445 600 2,389 772	320 294 26 412	15,844 1,900 5,357 492	262 78 28 27	579 97 9 43	227 157 32 15	726 249 81 50
	Total output by industry (= last row of Table 2)	8,608	1,069	23,693	410	729	434	1,112		Net taxes (taxes less subsidies) on production Gross value added at basic prices Output at basic prices (= last row of Table 1)	-1,688 2,163 2,666	18 750 1,069	100 7,849 23,693	15 148 410	2 150 729	3 207 434	7 386 1,112
	Output l	by inc	Just'	rv				Int	err	nediate consun	nptio	on 8	k GV	A b'	y in	dus	try

Output by maustry



Supply & Use Tables and Input-Output Tables

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
- 3) Trade margins, taxes and subsidies on products 10



Supply & Use Tables and Input-Output Tables

Overview of Table structure - Use table

Use at purchasers' prices **Intermediate Uses** Product by industry Final Uses Industry by product **Primary inputs** (Compensation of employees, Operating surplus, taxes and subsidies on production)

- 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*¹¹



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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 2013 Supply & Use Tables are consistent with 2013 main aggregates and subaggregates found in the NIE15 which was published in 2016.
- We will examine this consistency using the three methods of calculating GDP as a guide.

2013 Supply Table – Table 1 (published 2016)

	Industries]	• •				
		otal domestic	mports c.if. (cost, nsurance & freight nclusive)	rade margins	axes on products	Subsidies on products	Total supply at purchasers' prices (= total use in Table 2)
NACE	Products	F-	<u>= .= .=</u>		<u> </u>	Sq	F 0 \$
1-3	Agriculture, forestry and fishing	8,569	1,199	1,469	85	-9	11,313
5-9	Mining, quarrying and extraction	1,161	4,644	503	101	-	6,409
10-12	Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59	39,687
13-15	Textiles, wearing apparel and leather products	415	2,794	1,953	574	_	5,736
16	Wood and wood products (excl furniture)	726	336	246	21	-	1,329
17	Pulp, paper and paper products	391	1,112	93	133	-	1,729
18	Printed matter and recorded media	1,050	206	685	47	-	1,988
	Petroleum; furniture; other manufacturing	10,147	6,854	2,954	3,737	-5	23,686
20	Chemicals and chemical products	13,802	6,598	324	212	=	20,936
21	Basic pharmaceutical products	31,038	6,178	4,030	457	-	41,703
22	Rubber and plastics	1,485	1,728	337	136	-	3,685
23	Other non-metallic mineral products	1,116	506	196	49	-	1,869
24 25	Basic metals	731 1,825	1,380 1,023	587 685	1 114	-	2,699 3,647
25 26	Fabricated metal products Computer, electronic & optical products	9,297	6,541	333	215	-	16,386
27	Electrical equipment	1,078	1,825	508	158	_	3,568
28	Machinery and equipment n.e.c.	2,410	3,498	823	92	_	6,823
29	Motor vehicles, trailers and semi-trailers	669	2,247	1,521	937	_	5,373
30	Other transport equipment	102	10,098	39	75	_	10,314
33	Repair/installation of machinery & equipment	821	-	44	15	=	880
35	Electricity and gas supply	6,424	84	202	326	-	7,036
36	Water collection, treatment and supply	477	-	3	102	-	581
37-39	Sewerage, refuse and remediation services	1,482	-	16	69	-	1,567
41-43	Construction and construction works	10,619	-	-	1,979	-	12,599
45	Wholesale & retail trade/repair of vehicles	2,052	-	-519	23	-	1,556
46	Wholesale trade	23,794	13,327	-13,596	20	-	23,545
47	Retail trade	11,618	-	-11,324	9	-	303
49 50	Land transport services	4,025 569	225 71	-	25 0	-79	4,197 641
51	Water transport services Air transport services	5,502	1,418	_	2	_	6,921
52	Warehousing	2,041	86	_	3	-20	2,110
53	Postal and courier services	1,324	425	_	53	-	1,802
55-56	Accommodation and food & beverage services	6,364	3,357	=	1,186	=	10,907
58-60	Publishing, film and broadcasting services	18,257	216	-	152	-	18,625
61	Telecommunications services	3,433	1,125	=	313	-	4,871
62-63	Computer consultancy; data processing	46,900	516	-	133	-	47,548
64	Financial intermediation services	17,457	5,259	=-	97	-	22,814
65	Insurance, reinsurance and pension funding	12,041	5,519	-	539	-	18,100
66	Other financial activities	4,451	467	=	275	-	5,192
68 69-70	Real estate services	17,036		=	176 289	-3	17,212
71	Legal and accounting services; mgt consultancy Architectural and engineering services	10,531 1,646	1,200 161	-	289 10	-3	12,018 1,817
72	Scientific research and development services	1,963	6,496	_	0	_	8,458
73	Advertising and market research services	929	4,553	_	59	_	5,541
74-75	Other professional, scientific services	6,019	6,401	_	253	_	12,672
77	Rental and leasing services	19,979	39,408	=	385	=	59,772
78	Employment services	1,225	-	-	15	-	1,240
79	Travel and tourism service activities	516	-	=	38	-	555
80-82	Security, office & business support services	3,022	-	-	37	-	3,059
84	Public administration	10,829	31	-	26	-	10,886
85	Education services	11,072	-	=	3	-440	10,635
86-88	Human health and social work services	16,256	16	-	6	-463	15,814
90-92	Cultural, arts and gambling activities	1,625	428	=	1	-	2,053
93	Recreation and sports activities	1,173	55	=	36	-	1,264
94 95	Membership organisation services Repair of consumer goods	1,826 108	-	-	1 12	-	1,826 120
95 96	Other personal service activities	108	- 25	=	166	_	1,363
97	Private households with employed persons	142		_	-	_	1,303
	Total output by industry (= last row of Table 1)	393,729	157,476	0	16,996	-1,079	567,122
1	, , , , , , , , , , , , , , , , , , , ,			cif/fob adju			-162
i _					.b. (as per N	IIE)	566,960
Tal		-	770	:::::	/: C	بالمنمين	Talala

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 €393,729 million in the Supply Table (Table 1 of the 2016 publication).

2013 Use Table at purchasers' prices €m

Use Table − Table 2

	Industries	•	<u> </u>	IGI			<u>uni</u>	<u> </u>		
NA GE		Total inter-in dustry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products Agriculture, forestry and fishing	7,307	2.425			-19	107	1,784	4,006	11,313
1-3 5-9	Mining, quarrying and extraction	7,307 4,915	2,135 345	-	22	213	392	1,784 520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products		3,798	-	-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101	_	_	10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	347	_	-	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280	-	-	30	152	500	963	1,988
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	-	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24 25	Basic metals Fabricated metal products	1,968 1,781	7 285	-	-	146	45 60	679 1,374	731 1,866	2,699 3,647
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	_	_	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	_	_	2,082	-201	2,376	4,300	6,823
29	Motor vehicles, trailers and semi-trailers	944	2,797	-	-	1,498	-151	285	4,429	5,373
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
41-43	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930	12,599
45 46	Wholesale & retail trade/repair of vehicles Wholesale trade	1,234 11,646	323 319	-	-	589	-	10,991	323 11,899	1,556
46	Retail trade	208	319	-	-	589 7	-	10,991	11,899	23,545 303
49	Land transport services	1,653	2,027		246	0		271	2,544	4,197
50	Water transport services	226	104	_	-	-	_	311	415	641
51	Air transport services	1,495	1,404	-	-	-	_	4,023	5,426	6,921
52	Warehousing	1,888	222	-	_	1	-	-	223	2,110
53	Postal and courier services	789	374	-	-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,548
64 65	Financial intermediation services Insurance, reinsurance and pension funding	13,474 8,364	1,424 1,235	-	299	27 7	-	7,889 8,195	9,340 9,736	22,814 18,100
66	Other financial activities	4,031	478		299	6	-	678	1,161	5,192
68	Real estate services	3,089	13,144	_	821	159	_	-	14,123	17,212
69-70	Legal and accounting services; mgt consultancy		211	-	-	849	_	346	1,406	12,018
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
74-75	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265	12,672
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17	-	-	0	-	-	17	1,240
79 80-82	Travel and tourism service activities	171	384 37	-	-	64	-	-	384	555 3,059
80-82 84	Security, office & business support services Public administration	2,958 810	37 75	-	9,845	64 115	-	41	101 10,076	10,886
85	Education services	1,802	2,609		5,676	548	-	41	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	_	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-,	,	163	_	405	1,626	2,053
93	Recreation and sports activities	691	457	_	-	0	-	115	573	1,264
94	Membership organisation services	454	831	541	-	-	_	_	1,372	1,826
95	Repair of consumer goods	93	27	-	-	0	-	-	27	120
96	Other personal service activities	489	873	-	-	1	-	-	874	1,363
97	Private households with employed persons		142		-	-	-	-	142	142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646 63,942				cif/fob ad Exports (a:		- <i>162</i> 191,183	-162 337,523	- <i>162</i> 566,960
	Operating surplus, net Consumption of fixed capital	28,452				Exports (a	, per INIE)	171,103	227,323	200,900
	Net taxes (taxes less subsidies) on production									
	,		1							

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 2013, we can calculate GVA at basic prices as:
Output €393.729 billion –
Intermediate consumption

€229.437 billion = **€164.293**

billion

In Table 3 of the NIE, we see Item 51 (GVA at basic prices) is €164.293 billion as in Use table.

Available by **industry**: NACE 1-3 industry GVA = €8.608 billion – €6.445 billion = **€2.163 billion**

NIE2015 Table 3 (published July 2016)

Table 3 Gross Value Added at Factor Cost by Sector	or of Origin and Gros	s National	Income a	t Current	Market Pr	ices	
(Note the sectors here are based on NACE Rev. 2. For fur	ther details see the meth	nodology no	ites)				€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
41. Agriculture, forestry and fishing	(B.1g-D.29+D.39) Pt	3,369	4,015	3,779	3,932	4,154	4,135
42. Industry (including building)	(B.1g-D.29+D.39) Pt	38,787	44,177	44,141	44,682	46,525	97,792
42a. Industry	(B.1g-D.29+D.39) Pt	36,304	41,568	40,485	40,127	41,121	91,796
42b. Building and construction	(B.1g-D.29+D.39) Pt	2,482	2,609	3,656	4,555	5,405	5,996
43. Distribution, transport, software & communication	(B.1g-D.29+D.39) Pt	37,837	38,779	41,217	44,589	47,107	48,846
44. Public administration and defence	(B.1g-D.29+D.39) Pt	6,802	7,031	6,922	7,013	7,161	7,430
45. Other services (including rent)	(B.1g-D.29+D.39) Pt	65,320	64,621	65,128	66,147	71,825	78,032
47. Statistical discrepancy (= ltem 12)		39	-149	-467	-2,322	-1,913	155
48. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389
49. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	3,023
50. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444
51. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
52. Product taxes	D.21	16,311	15,945	16,341	16,996	18,514	19,758
53. Product subsidies	D.31	-1,111	-1,088	-1,089	-1,079	-981	-911
54. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
55. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
56. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
57. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
58. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
59. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

Gross Value Added at basic prices (GVA)

=

NIE Item 51

=

€164,293 million in 2013

=

Output method
Output €393.729
billion –
Intermediate
consumption
€229.437 billion

= €164.293 billion



Consistency with NIE - GVA and GDP

 The 2013 difference between GVA at basic prices €164.293 billion and GDP €180.209 billion is the addition of product taxes €16.996 billion and subtraction of product subsidies €1.079 billion

NIE2015 Table 3 (published July 2016)

(Note the sectors here are based on NACE Rev. 2. For t	urther details see the ma	hodology no	ites)				€ million
(14010 tile sectors here are based on 1440L NeV. 2. FOI I	uriner details see trie lile	inouology 110	ncoj				C ITALIOTT
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
41. Agriculture, forestry and fishing	(B.1g-D.29+D.39) Pt	3,369	4,015	3,779	3,932	4,154	4,135
42. Industry (including building)	(B.1g-D.29+D.39) Pt	38,787	44,177	44,141	44,682	46,525	97,792
42a. Industry	(B.1g-D.29+D.39) Pt	36,304	41,568	40,485	40,127	41,121	91,796
42b. Building and construction	(B.1g-D.29+D.39) Pt	2,482	2,609	3,656	4,555	5,405	5,996
43. Distribution, transport, software & communication	(B.1g-D.29+D.39) Pt	37,837	38,779	41,217	44,589	47,107	48,846
44. Public administration and defence	(B.1g-D.29+D.39) Pt	6,802	7,031	6,922	7,013	7,161	7,430
45. Other services (including rent)	(B.1g-D.29+D.39) Pt	65,320	64,621	65,128	66,147	71,825	78,032
47. Statistical discrepancy (= ltem 12)		39	-149	-467	-2,322	-1,913	155
48. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389
49. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	3,023
50. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444
51. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
52. Product taxes	D.21	16,311	15.945	16,341	16,996	18,514	19,758
53. Product subsidies	D.31	-1,111	-1,088	-1,089	-1,079	-981	-911
54. Gross domestic product at current market pric	es B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
55. Net factor income from the rest of the w orld	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
56. Gross national product at current market prices	3	138,667	139,282	142,203	151,899	163,445	202,642
57. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
58. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
59. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

Gross Value Added at basic prices (GVA)

= NIE Item 51 =

€164,293 million in 2013 plus Product taxes

= NIE Item 52 =

€16,996 million minus

Product subsidies

= NIE Item 53 =

€1.079 billion

=

Gross domestic product (GDP)

= NIE Item 54 =

€180.209 billion

2013 Supply Table – Table 1 (published 2016)

	Industries						
		Total domestic	Imports c.if. (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	8,569	1,199	1,469	85	-9	11,313
5-9	Mining, quarrying and extraction	1,161	4,644	503	101	-	6,409
10-12	Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59	39,687
13-15	Textiles, wearing apparel and leather products	415	2,794	1,953	574	=	5,736
16	Wood and wood products (excl furniture)	726	336	246	21	-	1,329
17	Pulp, paper and paper products	391	1,112	93	133	=	1,729
18	Printed matter and recorded media	1,050	206	685	47	-	1,988
19,31,32		10,147	6,854	2,954	3,737	-5	23,686
20	Chemicals and chemical products	13,802	6,598	324	212 457	=	20,936
21 22	Basic pharmaceutical products	31,038	6,178	4,030 337	457 136	-	41,703
23	Rubber and plastics Other non-metallic mineral products	1,485 1,116	1,728 506	196	49	=	3,685 1,869
24	Basic metals	731	1,380	587	1	_	2,699
25	Fabricated metal products	1,825	1,023	685	114	_	3,647
26	Computer, electronic & optical products	9,297	6,541	333	215	_	16,386
27	Electrical equipment	1,078	1,825	508	158	=	3,568
28	Machinery and equipment n.e.c.	2,410	3,498	823	92	=	6,823
29	Motor vehicles, trailers and semi-trailers	669	2,247	1,521	937	-	5,373
30	Other transport equipment	102	10,098	39	75	=	10,314
33	Repair/installation of machinery & equipment	821	-	44	15	-	880
35	Electricity and gas supply	6,424	84	202	326	=	7,036
36	Water collection, treatment and supply	477	-	3	102	-	581
37-39	Sewerage, refuse and remediation services	1,482	-	16	69	-	1,567
41-43 45	Construction and construction works	10,619	-	- -519	1,979 23	-	12,599
46	Wholesale & retail trade/repair of vehicles	2,052 23,794	13,327			-	1,556 23,545
47	Wholesale trade Retail trade	11,618	13,327	-13,596 -11,324	20 9	_	303
49	Land transport services	4,025	225	-11,324	25	- 7 9	4,197
50	Water transport services	569	71	_	0	-	641
51	Air transport services	5,502	1,418	-	2	-	6,921
52	Warehousing	2,041	86	-	3	-20	2,110
53	Postal and courier services	1,324	425	=	53	-	1,802
55-56	Accommodation and food & beverage services	6,364	3,357	=-	1,186	-	10,907
58-60	Publishing, film and broadcasting services	18,257	216	-	152	-	18,625
61	Telecommunications services	3,433	1,125	=	313	-	4,871
62-63	Computer consultancy; data processing	46,900	516	-	133 97	=	47,548
64 65	Financial intermediation services Insurance, reinsurance and pension funding	17,457 12,041	5,259 5,519	-	539	-	22,814 18,100
66	Other financial activities	4,451	467	_	275	_	5,192
68	Real estate services	17,036		_	176	_	17,212
69-70	Legal and accounting services; mgt consultancy		1,200	_	289	-3	12,018
71	Architectural and engineering services	1,646	161	-	10	-	1,817
72	Scientific research and development services	1,963	6,496	=	О	-	8,458
73	Advertising and market research services	929	4,553	-	59	-	5,541
74-75	Other professional, scientific services	6,019	6,401	=-	253	-	12,672
77	Rental and leasing services	19,979	39,408	-	385	-	59,772
78	Employment services	1,225	-	=	15	-	1,240
79 80-82	Travel and tourism service activities	516	-	-	38 37	-	555
80-82 84	Security, office & business support services Public administration	3,022 10,829	31	-	26	-	3,059 10,886
84 85	Education services	10,829	31	_	3	-440	10,886
86-88	Human health and social work services	16,256	16	-	6	-440 -463	15,814
90-92	Cultural, arts and gambling activities	1,625	428	_	1	-	2,053
93	Recreation and sports activities	1,173	55	-	36	-	1,264
94	Membership organisation services	1,826	-	-	1	-	1,826
95	Repair of consumer goods	108	-	-	12	-	120
96	Other personal service activities	1,172	25	-	166	_	1,363
97	Private households with employed persons	142	-	=			142
	Total output by industry (= last row of Table 2)	393,729	157,476	0	16,996	-1,079	567,122
1				cif/fob adju Imports f.o		W/F)	-162 _566,960
-	the control of the co		15/,514	11.0 POL	.b. (us per i	Y/E/	300,360

These product taxes of **€16.996 billion** and product subsidies of €1.079 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.

2013 Use Table at purchasers' prices 6m 2013 Use Table — Table 2 (published 2016)

	Industries	ZU.	<u> 15 L</u>	<u> JSE</u>	lai	<u> </u>	_	<u>apı</u>	e z	(p
		try	tion Igovt		uo	le.		(free		u
		Fotal inter-in dustry	Final consumption of h'holds, excl gov transfers		Sovt consumption plus transfers	Gross fixed capita formation		b. (fr	ses	otal uses = total supply in able 1)
		ter-i	insui Ids, c		Govt consump plus transfers	ion	i ii.	Exports f.o.b. on board)	rotal Final uses	lsup (
		talii.	Final consu of h'holds, transfers	NPISH	ovt co us tra	Gross fixed formation	Change in inventories	Exports f.o on board)	Tal Fi	Total uses (= total su Table 1)
NACE	Products	<u>5</u>	다 of 다	ž	8 =	គ្ គ្	5 .≦	ॼ 6	<u>گ</u>	= E
1-3	Agriculture, forestry and fishing	7,307	2,135	_	_	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15 16	Textiles, wearing apparel and leather products Wood and wood products (excl furniture)	955 953	3,798 101	-	-	43 10	549 -139	391 404	4,781 376	5,736 1,329
17	Pulp, paper and paper products	1,119	347	-	-	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280	-	-	30	152	500	963	1,988
19,31,32 20	Petroleum; furniture; other manufacturing Chemicals and chemical products	8,086 6,111	6,230 1.093	-	22	908 87	61 548	8,379 13,098	15,600 14,825	23,686 20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24 25	Basic metals Fabricated metal products	1,968 1,781	7 285	-	-	146	45 60	679 1,374	731 1,866	2,699 3,647
26	Computer, electronic & optical products	4,373	575	-	_	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
29 30	Motor vehicles, trailers and semi-trailers Other transport equipment	944 3,410	2,797 43	-	-	1,498 6,576	-151 192	285 93	4,429 6,904	5,373 10,314
33	Repair/installation of machinery & equipment		43	-	-	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36 37-39	Water collection, treatment and supply Sewerage, refuse and remediation services	113 717	309 432	-	159 319	3	96	-	468 851	581 1,567
41-43	Construction and construction works	2,669	532	-	- 319	9,398	-	_	9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323	1,556
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899	23,545
47 49	Retail trade Land transport services	208 1,653	88 2,027	-	246	7 0	-	271	95 2,544	303 4,197
50	Water transport services	226	104	-	-	-	_	311	415	641
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426	6,921
52 53	Warehousing	1,888 789	222 374	-	-	1	-	640	223	2,110 1,802
55-56	Postal and courier services Accommodation and food & beverage services	882	8,103	-	_	0	_	1,922	1,013 10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
62-63 64	Computer consultancy; data processing Financial intermediation services	13,590 13,474	260 1.424	-	-	2,135 27	-	31,563 7,889	33,958 9,340	47,548 22,814
65	Insurance, reinsurance and pension funding	8,364	1,235	-	299	7	_	8,195	9,736	18,100
66	Other financial activities	4,031	478	-	-	6	-	678	1,161	5,192
68	Real estate services	3,089	13,144	-	821	159 849	-	- 246	14,123	17,212
69-70 71	Legal and accounting services; mgt consultancy Architectural and engineering services	10,611 1,164	211 12	-	_	312	_	346 328	1,406 653	12,018 1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
74-75 77	Other professional, scientific services Rental and leasing services	8,408 46,142	156 999	-	-	311 0	-	3,797 12,631	4,265 13,630	12,672 59,772
78	Employment services	1,223	17	-	-	0	_	12,031	13,030	1,240
79	Travel and tourism service activities	171	384	-	-	-	-	-	384	555
80-82	Security, office & business support services	2,958	37	-	-	64	-	-	101	3,059
84 85	Public administration Education services	810 1,802	75 2,609	-	9,845 5,676	115 548	-	41	10,076 8,833	10,886 10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	_	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626	2,053
93 94	Recreation and sports activities	691	457	-	-	0	-	115	573	1,264
94 95	Membership organisation services Repair of consumer goods	454 93	831 27	541 -	-	0	-	-	1,372 27	1,826 120
96	Other personal service activities	489	873	-	-	1	-	-	874	1,363
97	Private households with employed persons	-	142	-	-	-	-	-	142	142
	Total intermediate consumption Compensation of Employees	229.437 71,646	78,115	1,826	30,593	32,867	2,940 djustment	191,345 - <i>162</i>	337,686 -162	567,122 - <i>162</i>
l	Operating surplus, net	63,942					as per NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452)				- 1			
	Net taxes (taxes less subsidies) on production	252								

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 2013, we see that total GVA at basic prices in the Use table is COE €71.646 billion + NOS €63.942 billion + CFC €28.452 billion + net taxes €0.252 billion = €164.293 billion Gross Value Added

In Table 3 of the NIE, we see that Item 51 is GVA at basic prices is €164.293 billion as in the Use table.

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

0

NIE2015 Table 1 (published July 2016)

							€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
Value added from agriculture, forestry and fishing	(B.1n-D.29+D.39) Pt	2,572	3,256	3,022	3,159	3,326	3,296
Income from self-employment and	B.3 (Pt)	1,953	2,633	2,398	2,468	2,599	2,625
other trading income							
Remuneration of employees:	D.1 (Pt)						
2. Wages and salaries	(D.11+D.12) Pt	568	571	572	636	671	614
Employers' contribution to social insurance	D.12 (Pt)	52	52	53	54	56	57
Non-agricultural value added	(B.1n-D.29+D.39) Pt	124,456	130,019	131,171	134,751	142,556	171,381
Profits and self employed earnings:							
Domestic trading profits of companies							
(including corporate bodies) before tax	B.2 (Pt)	41,105	46,894	46,764	47,913	52,302	75,398
5. Self employed earnings	B.3 (Pt)	8,382	7,375	7,070	7,175	7,361	7,927
of which:	D.0 (1 t)	0,002	1,010	7,070	1,119	7,001	1,021
5(a) Withdrawals from quasi-corporations ^	D.422	821	691	736	713	733	788
6. Adjustment for stock appreciation	B.2 (Pt)	-310	-239	480	539	248	17
7. Rent of dw ellings (actual and imputed)	B.2 (Pt)	6,854	7,090	7,866	8,169	9,221	10.415
of which imputed rent	D.2 (1 t)	5,235	5,316	5,858	6.053	6,820	7,699
8. Rent element in land annuities		1	0,070	1	0	0,020	0,000
Remuneration of employees:	D.1 (Pt)			•			
9. Wages and salaries	(D.11+D.12) Pt	63,545	63,586	64.035	65,684	67,662	71,469
10. Employers' contribution to social insurance	D.12 (Pt)	4,880	5,313	4,956	5,272	5,761	6,155
Adjustments:							
12. Statistical discrepancy		39	-149	-467	-2,322	-1,913	155
13. Net value added at factor cost	(B.1n-D.29+D.39)	127,067	133,125	133,726	135,588	143,969	174,831
	D 1 0 D 1	00.457	00.700	00.554	00.040	00.745	50.470
14. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
15. Net national product at factor cost		98,610	99,338	100,175	107,278	114,254	121,658
16. National (i.e. non EU) taxes	D.2 (Pt)	18,063	17,779	18,344	19,285	21,196	22,455
17. National (i.e. non EU) subsidies	D.3 (Pt)	-1,828	-1,725	-1,921	-1,913	-1,853	-1,785
18. Net national income at market prices	B.5*n	114,845	115,392	116,599	124,650	133,597	142,328
† Preliminary							
^ This represents the earnings of the owners of large nor	incorporated business	/ !		I- ! \ I- ! -	L 111	the Alexander of	

(NOS)
=
NIE items 1 + 4 + 5 + 6
+ 7 + 8 + 12 =
2,468 + 47,913 + 7,175
+ 539 + 8,169 + 0 +

Net Operating Surplus

€63,942 million in 2013

-2,322

2013 Use Table at purchasers' prices Em

2013 Use Table — Table 2 (nublished 2016)

Industries	2 0.	L3	Use	iabie –	labio	e Z	(pi	ubiishe	2 d	201	Lb
	,	/t									•

	Industries	1		U	<u> </u>	IGI			<u>uni</u>	<u> </u>	<u> </u>
		Total inter-in dustry	Final consumption of h'holds, excl govt	transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products	7 207		25			10	407	4.704	4.000	44 242
1-3 5-9	Agriculture, forestry and fishing	7,307 4,915	2,1	.35 145	-	22	-19 213	107 392	1,784 520	4,006 1,494	11,313 6,409
10-12	Mining, quarrying and extraction Food & beverages and tobacco products	8,661	10,4		111	1	53	392	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products	955	3,7		111	_	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953		.01	_	_	10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	3	47	_	_	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	2	80	-	-	30	152	500	963	1,988
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,2	30	-	22	908	61	8,379	15,600	23,686
	Chemicals and chemical products	6,111	1,0		-	-	87	548	13,098	14,825	20,936
	Basic pharmaceutical products	5,078	1,5		-	1,934	1,740	412	31,031	36,625	41,703
	Rubber and plastics	2,158		07	-	-	17	-15	1,019	1,527	3,685
	Other non-metallic mineral products	1,462	2	112 7	-	-	9	-145 45	331 679	407	1,869
24 25	Basic metals Fabricated metal products	1,968 1,781	١ ,	285	-	-	146	45 60	1,374	731 1,866	2,699 3,647
26	Computer, electronic & optical products	4,373		75		_	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722		11	_	_	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523		44	_	_	2,082	-201	2,376	4,300	6,823
29	Motor vehicles, trailers and semi-trailers	944	2,7		-	_	1,498	-151	285	4,429	5,373
30	Other transport equipment	3,410		43	-	-	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817		43	-	-	3	16	-	62	880
35	Electricity and gas supply	4,388	2,3		-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113		09	-	159	-	-	-	468	581
	Sewerage, refuse and remediation services	717		32	-	319	3	96	-	851	1,567
41-43 45	Construction and construction works	2,669		32 23	-	-	9,398	-	-	9,930 323	12,599
45 46	Wholesale & retail trade/repair of vehicles Wholesale trade	1,234 11,646	-	19	-	-	589	-	10,991	11,899	1,556 23,545
	Retail trade	208		88		_	7		10,991	11,899	303
49	Land transport services	1,653	2,0		_	246	0	_	271	2,544	4,197
50	Water transport services	226		.04	_	-	-	_	311	415	641
51	Air transport services	1,495	1,4	04	_	_	-	-	4,023	5,426	6,921
52	Warehousing	1,888		22	-	-	1	-	-	223	2,110
53	Postal and courier services	789		74	-	-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,1		-	-	О	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,1		-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,3		-	81	13	-	538	2,989	4,871
62-63 64	Computer consultancy; data processing Financial intermediation services	13,590 13,474	1,4	160	-	-	2,135 27	-	31,563 7,889	33,958 9,340	47,548 22,814
65	Insurance, reinsurance and pension funding	8,364	1,4		-	299	7	_	8,195	9,736	18,100
	Other financial activities	4,031		78	_	-	6	_	678	1,161	5,192
68	Real estate services	3,089	13,1		_	821	159	_	-	14,123	17,212
69-70	Legal and accounting services; mgt consultancy	10,611	2	11	-	-	849	-	346	1,406	12,018
71	Architectural and engineering services	1,164		12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767		-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352		35	-	-	5	-	150	190	5,541
	Other professional, scientific services	8,408		.56	-	-	311	-	3,797	4,265	12,672
77 78	Rental and leasing services Employment services	46,142 1,223		17	-	-	0	-	12,631	13,630 17	59,772 1,240
79	Travel and tourism service activities	171		84			-			384	555
80-82	Security, office & business support services	2,958		37	_	_	64	_	_	101	3,059
84	Public administration	810		75	-	9,845	115	_	41	10,076	10,886
85	Education services	1,802	2,6	609	-	5,676	548	-	-	8,833	10,635
86-88	Human health and social work services	1,162	2,5	37	1,173	10,656	31	-	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,0		-	-	163	-	405	1,626	2,053
93	Recreation and sports activities	691		57	-	-	О	-	115	573	1,264
	Membership organisation services	454		31	541	-	-	-	-	1,372	1,826
	Repair of consumer goods	93 489		27 373	-	-	0	-	-	27 874	120
96 97	Other personal service activities Private households with employed persons	489	_	.42	-	-	1	-	-	142	1,363 142
31	Total intermediate consumption	220 127	78,1		1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646	, 3, 1		_,0_0	30,333		ijustment	-162	-162	-162
	Operating surplus, net	63,942	1				Exports (a		191,183	337,523	566,960
	Consumption of fixed capital	28,452	<i> </i>				. ,	٠.		•	•
	Net taxes (taxes less subsidies) on production										
	Gross value added at basic prices	164,203									

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 **€63,942** million.

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

NIE2015 Table 1 (published July 2016)

							€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 ¹
Value added from agriculture, forestry and fishing	g (B.1n-D.29+D.39) Pt	2,572	3,256	3,022	3,159	3,326	3,296
Income from self-employment and	B.3 (Pt)	1,953	2,633	2,398	2,468	2,599	2,625
other trading income							
Remuneration of employees:	D.1 (Pt)						
Wages and salaries	(D.11+D.12) Pt	568	571	572	636	671	614
Employers' contribution to social insurance	D.12 (Pt)	52	52	53	54	56	57
Non-agricultural value added	(B.1n-D.29+D.39) Pt	124,456	130,019	131,171	134,751	142,556	171,381
Profits and self employed earnings:							
Domestic trading profits of companies							
(including corporate bodies) before tax	B.2 (Pt)	41,105	46,894	46,764	47,913	52,302	75,398
5. Self employed earnings	B.3 (Pt)	8,382	7,375	7,070	7,175	7,361	7,927
of which:	D.3 (1 t)	0,302	7,373	7,070	7,175	7,501	1,321
5(a) Withdrawals from quasi-corporations ^	D.422	821	691	736	713	733	788
6. Adjustment for stock appreciation	B.2 (Pt)	-310	-239	480	539	248	17
7. Rent of dw ellings (actual and imputed)	B.2 (Pt)	6,854	7,090	7,866	8,169	9,221	10,415
of which imputed rent	D.2 (1 t)	5,235	5,316	5,858	6,053	6,820	7,699
8. Rent element in land annuities		1	0,370	1	0,000	0,020	7,033
Remuneration of employees:	D.1 (Pt)		U			U	
9. Wages and salaries	(D.11+D.12) Pt	63,545	63,586	64,035	65,684	67,662	71,469
10. Employers' contribution to social insurance	D.12 (Pt)	4,880	5,313	4,956	5,272	5,761	6,155
Adjustments:	` '						
		39	140	467	-2,322	1 012	155
12. Statistical discrepancy		39	-149	-467	-2,322	-1,913	155
13. Net value added at factor cost	(B.1n-D.29+D.39)	127,067	133,125	133,726	135,588	143,969	174,831
14. Net factor income from the rest of the world	D.1 & D.4	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
	(net to abroad)						
15. Net national product at factor cost		98,610	99,338	100,175	107,278	114,254	121,658
16. National (i.e. non EU) taxes	D.2 (Pt)	18.063	17.779	18.344	19.285	21,196	22.455
17. National (i.e. non EU) subsidies	D.2 (Pt)	-1,828	-1,725	-1,921	-1,913	-1,853	-1,785
18. Net national income at market prices	B.5*n	114,845	115,392	116,599	124,650	133,597	142,328

Compensation of Employees (COE) =

NIE items 2 + 3 + 9 + 10 =

636 + 54 + 65,684 +

5,272 =

€71,646 million in
2013

Consumption of fixed capital

Net taxes (taxes less subsidies) on production Gross value added at basic prices

013 Use	Table at purchasers' prices €m	Industries	20 1	L3	Use	Tab	ole -	– Ta	abl	e 2	(pi	ubli	ishe	be	2016	;)
			er-industry	nsumption ds, exclgovt	S	nsu mption nsfers	ed capital on	in ries	f.o.b. (free d)	aluses	es supply in	_				

Final cor of h'hole transfer NACE Products 107 4,006 11,313 1-3 Agriculture, forestry and fishing 7,307 2,135 -19 1,784 1,494 6,409 5-9 Mining, quarrying and extraction 4.915 345 22 213 392 520 10-12 Food & beverages and tobacco products 8,661 10,430 111 53 311 20,119 31,026 39,687 Textiles, wearing apparel and leather products 955 3,798 43 549 391 4,781 5,736 1,329 Wood and wood products (excl furniture) 953 101 10 -139 404 376 1,729 17 Pulp, paper and paper products 1.119 347 3 7 252 609 18 Printed matter and recorded media 1,026 280 30 152 500 1,988 Petroleum; furniture; other manufacturing 8,086 6,230 22 908 61 8,379 15,600 23,686 Chemicals and chemical products 6,111 1.093 87 548 13,098 14,825 20,936 41,703 21 5.078 1.509 1,934 1.740 412 31.031 36,625 Basic pharmaceutical products Rubber and plastics 2,158 17 -15 1,019 1,527 3,685 Other non-metallic mineral products 1,462 -145 331 407 1,869 24 Basic metals 1,968 7 45 679 731 2,699 60 1,374 3,647 25 Fabricated metal products 1.781 285 146 1.866 26 Computer, electronic & optical products 4,373 575 1,790 366 9,281 12,012 16,386 27 Electrical equipment 1,722 311 380 140 1,015 1,847 3,568 6,823 28 Machinery and equipment n.e.c. 2,523 44 2,082 -201 2,376 4,300 29 Motor vehicles, trailers and semi-trailers 944 2.797 1.498 -151 285 4.429 5,373 3,410 6,904 10,314 Other transport equipment 43 6.576 192 880 33 Repair/installation of machinery & equipment 817 43 16 35 4.388 2.321 179 5 136 2.648 7.036 Electricity and gas supply Water collection, treatment and supply 113 159 468 37-39 Sewerage, refuse and remediation services 717 432 319 96 851 1,567 9,930 12,599 41-43 Construction and construction works 2.669 532 9.398 Wholesale & retail trade/repair of vehicles 1.234 323 323 1.556 45 Wholesale trade 11,646 589 10,991 11,899 23,545 Retail trade 208 88 303 Land transport services 1,653 2.027 246 271 2,544 4,197 50 226 104 311 415 641 Water transport services 51 Air transport services 1,495 1,404 4,023 5,426 6,921 52 1,888 222 223 2,110 640 1,802 53 Postal and courier services 789 374 1.013 55-56 Accommodation and food & beverage services 882 8.103 1.922 10.025 10,907 Publishing, film and broadcasting services 3,008 1.111 182 2.152 12,171 15,617 18,625 1,882 2,356 538 2,989 4,871 Telecommunications services 13 13,590 31,563 33,958 47,548 62-63 Computer consultancy; data processing 260 2.135 13,474 1.424 27 7.889 9.340 22.814 Financial intermediation services Insurance, reinsurance and pension funding 8,364 1,235 299 8,195 9,736 18,100 5,192 66 Other financial activities 4,031 478 6 678 1,161 13,144 17,212 68 3,089 821 159 14,123 Real estate services 69-70 Legal and accounting services; mgt consultancy 10,611 211 346 1,406 12,018 Architectural and engineering services 1,164 312 328 1,817 8,458 72 Scientific research and development services 6,767 150 395 1,147 1,692 5,541 73 Advertising and market research services 5,352 35 5 150 190 Other professional, scientific services 8,408 156 311 3,797 4,265 12,672 77 Rental and leasing services 46,142 12,631 13,630 59,772 78 Employment services 1,223 17 17 1,240 79 Travel and tourism service activities 171 384 384 555 80-82 Security, office & business support services 2,958 37 101 3,059 Public administration 75 9,845 10,076 10,886 Education services 85 1,802 2,609 5,676 548 8,833 10,635 86-88 1,162 2,537 1,173 10,656 31 256 14,653 15,814 Human health and social work services Cultural, arts and gambling activities 427 1,057 163 1,626 2,053 Recreation and sports activities 691 457 115 573 1,264 94 Membership organisation services 454 831 541 1,372 1,826 27 0 120 Repair of consumer goods Other personal service activities 489 873 874 1,363 Private households with employed persons 142 142 78,115 337,686 567,122 Total intermediate consumption 30,593 191 345 1.826 32 867 2 940 Compensation of Employees 71,646 -162 -162 -162 cif/fob adjustment 63,942 191,183 337,523 Operating surplus, net Exports (as per NIE)

28,452

This **Compensation of Employees** (COE) from Table 1 of the NIE is consistent with the COE figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of **€71,646** million.

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

Table 2 Net Value Added at Factor Cost by Se (Note the sectors here are based on NACE Rev. 2.					ent Market	rrices	€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015⊺
19. Agriculture, forestry and fishing							
Net value added	(B.1n-D.29+D.39) Pt	2,573	3,256	3,023	3,159	3,326	3,296
Remuneration of employees	D.1 (Pt)	620	623	625	690	727	671
Other	(B.2 & B.3) Pt	1,953	2,634	2,399	2,469	2,599	2,625
20 Industry (including building)							
20. Industry (including building) Net value added	(B.1n-D.29+D.39) Pt	32,089	37,642	37,378	37,801	39,662	64,109
Remuneration of employees	D.1 (Pt)	14,194	14,024	13,588	14,196	14,919	16,223
Other	(B.2 & B.3) Pt	18,568	23,859	23,304	23,336	24,999	48,405
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	-519
20a. Industry							
Net value added	(B.1n-D.29+D.39) Pt	30,054	35,410	34,055	33,544	34,541	58,385
Remuneration of employees	D.1 (Pt)	10,184	10,690	10,521	11,006	11,274	12,133
Other	(B.2 & B.3) Pt	20,543	24,961	23,048	22,269	23,523	46,771
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	-519
20b. Building and construction							
Net value added	(B.1n-D.29+D.39) Pt	2,035	2,232	3,323	4,257	5,121	5,724
Remuneration of employees Other	D.1 (Pt) (B.2 & B.3) Pt	4,010 -1,975	3,334 -1,101	3,067 256	3,190 1,067	3,645 1,476	4,091 1,634
Other	(D.2 & D.3) 1 t	-1,975	-1,101	230	1,007	1,470	1,004
21. Distribution, transport, software							
and communication	(D.1. D.00 D.00) D:	00.000	00.000	04.005		40.407	40 700
Net value added Remuneration of employees	(B.1n-D.29+D.39) Pt D.1 (Pt)	32,302 17,395	33,089 17,541	34,885 18,160	37,866 19,364	40,127 19.938	40,708 21,290
Other	(B.2 & B.3) Pt	14,545	15,547	16,731	18,232	19,685	18,883
Adjustment for stock appreciation	(B.2 & B.3) Pt	362	10,047	-6	270	504	536
22. Public administration and defence							
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008
23. Other services (including rent)							
Net value added	(B.1n-D.29+D.39) Pt	54,557	53.538	53,291	53,394	56,965	60,556
Remuneration of employees	D.1 (Pt)	31,329	31,586	31,626	31,706	32,765	34,103
Other	(B.2 & B.3) Pt	23,228	21,952	21,665	21,688	24,200	26,453
26. Statistical discrepancy (= Item 12)		39	-149	-467	-2,322	-1,913	155
27. Net value added at factor cost	B.1n-D.29+D.39	127,067	133,125	133,726	135,588	143,969	174,831
28. plus Provision for depreciation	P.51c	25,087	25,349	26,994	28,452	30,891	61,558
Agriculture, forestry and fishing	F.51C	796	759	756	772	828	839
Industry (including building)		6,698	6,535	6,763	6,961	6,863	33,683
Industry		6,250	6,158	6,430	6,583	6,579	33,411
Building and construction		448	377	333	298	284	272
Distribution, transport, software & communicat	ı	5,535	5,690	6,332	6,723	6,980	8,137 1,422
Public administration and defence Other services		1,295 10,763	1,282 11,083	1,306 11,837	1,323 12,753	1,360 14,860	17,476
Other services		10,703	11,003	11,007	12,733	14,000	17,470
29. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389
30. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	3,023
31. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444
32. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
·	_						
33. Product taxes	D.21	16,311	15,945	16,341	16,996	18,514	19,758
34. Product subsidies	D.31	-1,111	-1,088	-1,089	-1,079	-981	-911
35. Gross domestic product at current market	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
36. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
37. Gross national product at current market p		138,667	139,282	142,203	151,899	163,445	202,642
38. EU subsidies 39. EU taxes	D.3 (Pt) D.2 (Pt)	1,494 -229	1,698 -240	1,632 -242	1,450 -247	1,318 -275	1,571 -327
00. 20 00.00	2.2 (1 t)	229	2-10	2-12	2-47	275	321
40. Gross national income at current market p	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

NIE2015 Table 2 (published July 2016)

Consumption of Fixed Capital (CFC)

=

NIE item 28

=

€28,452 million in 2013

2013 Use Table at purchasers' prices 6m 2013 Use Table — Table 2 (published 2016)

	Industries	ZU.	<u> 15 L</u>	<u> JSE</u>	lai	<u>ole</u>		<u>apı</u>	e z	(p
		try	₩.		ы	-E		(free		_
		Total inter-in dustry	Final consumption of h'holds, excl gov transfers		Govt consumption plus transfers	Gross fixed capital formation		р. (fr	ses	otal uses = total supply in able 1)
		ter-ii	nsur Ids, e rs		Govt consump plus transfers	no ved	.⊑ .ĕ	Exports f.o.b. on board)	Total Final uses	ses (
		ia Li	Final consu of h'holds, transfers	NPISH	vt co s tra	Gross fixed formation	Change in in ventories	oorts f.c board)	ia Ei	Total uses (= total su Table 1)
		Tot	of fi	A P	6 급	op jo	કેં કે	ᅑᆯᄝ	Tot	Tot
NACE 1-3	Products Agriculture, forestry and fishing	7,307	2,135	_	_	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products	955 953	3,798	-	-	43 10	549 -139	391 404	4,781	5,736
16 17	Wood and wood products (excl furniture) Pulp, paper and paper products	1,119	101 347	_	_	3	-139 7	252	376 609	1,329 1,729
18	Printed matter and recorded media	1,026	280	-	-	30	152	500	963	1,988
	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	23,686
20 21	Chemicals and chemical products Basic pharmaceutical products	6,111 5,078	1,093 1,509	-	1,934	87 1,740	548 412	13,098 31,031	14,825 36,625	20,936 41,703
22	Rubber and plastics	2,158	507	-		1,740	-15	1,019	1,527	3,685
	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24 25	Basic metals	1,968	7 285	-	-	- 146	45	679	731	2,699
25 26	Fabricated metal products Computer, electronic & optical products	1,781 4,373	285 575	-	-	1,790	60 366	1,374 9,281	1,866 12,012	3,647 16,386
27	Electrical equipment	1,722	311	-	_	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
29 30	Motor vehicles, trailers and semi-trailers Other transport equipment	944 3,410	2,797 43	-	-	1,498 6,576	-151 192	285 93	4,429 6,904	5,373 10,314
33	Repair/installation of machinery & equipment		43	-	_	6,576	192	- 95	6,904	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39 41-43	Sewerage, refuse and remediation services Construction and construction works	717 2,669	432 532	-	319	3 9,398	96	-	851 9,930	1,567 12,599
41-43	Wholesale & retail trade/repair of vehicles	1,234	323	-	_	9,396	_	_	323	1,556
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899	23,545
	Retail trade	208	88	-	-	7	-	-	95	303
	Land transport services Water transport services	1,653 226	2,027 104	-	246	0	-	271 311	2,544 415	4,197 641
	Air transport services	1,495	1,404	-	_	_	_	4,023	5,426	6,921
52	Warehousing	1,888	222	-	-	1	-		223	2,110
53	Postal and courier services	789	374	-	-	-	-	640	1,013	1,802
55-56 58-60	Accommodation and food & beverage services Publishing, film and broadcasting services	882 3,008	8,103 1,111	-	182	0 2,152	-	1,922 12,171	10,025 15,617	10,907 18,625
61	Telecommunications services	1,882	2,356	_	81	13	_	538	2,989	4,871
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,548
64	Financial intermediation services	13,474	1,424	-	-	27	-	7,889	9,340	22,814
65 66	Insurance, reinsurance and pension funding Other financial activities	8,364 4,031	1,235 478	-	299	7 6	-	8,195 678	9,736 1,161	18,100 5,192
68	Real estate services	3,089	13,144	-	821	159	-	-	14,123	17,212
69-70	Legal and accounting services; mgt consultancy		211	-	-	849	-	346	1,406	12,018
71 72	Architectural and engineering services	1,164 6,767	12	-	150	312 395	-	328 1,147	653 1,692	1,817
72	Scientific research and development services Advertising and market research services	5,352	35	-	- 150	395 5	-	1,147	1,692	8,458 5,541
74-75	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265	12,672
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17	-	-	0	-	-	17	1,240
79 80-82	Travel and tourism service activities Security, office & business support services	171 2,958	384 37	-	-	64	-	_	384 101	555 3,059
84	Public administration	810	75	-	9,845	115	-	41	10,076	10,886
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833	10,635
86-88 90-92	Human health and social work services	1,162 427	2,537	1,173	10,656	31 163	-	256 405	14,653	15,814 2,053
90-92	Cultural, arts and gambling activities Recreation and sports activities	691	1,057 457	-	-	163	-	115	1,626 573	1,264
94	Membership organisation services	454	831	541	-	-	-	-	1,372	1,826
95	Repair of consumer goods	93	27	-	-	0	-	-	27	120
96 97	Other personal service activities	489	873	-	-	1	-	-	874	1,363
97	Private households with employed persons Total intermediate consumption	229,437	142 78,115	1,826	30,593	32,867	2,940	191,345	142 337,686	142 567,122
	Compensation of Employees	1,646	-/	,	,		djustment	-162	-162	-162
	Operating surplus, net	63,942	\			Exports (a	as per NIE)	191,183	337,523	566,960
	Consumption of fixed capital Net taxes (taxes less subsidies) on production	28,452 252)							
1	Gross value added at basic prices	164,293								

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 €28,452 million.

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

Table 2 Net Value Added at Factor Cost by (Note the sectors here are based on NACE Rev.					ent Market	Prices	€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 ^T
19. Agriculture, forestry and fishing							
Net value added	(B.1n-D.29+D.39) Pt	2,573	3,256	3,023	3,159	3,326	
Remuneration of employees Other	D.1 (Pt) (B.2 & B.3) Pt	620 1,953	623 2,634	625 2,399	690 2,469	727 2,599	3,296 671 2,625 64,109 16,223 48,405 -519 58,385 12,133 46,771 -519 5,724 4,091 1,634 6,708 21,290 18,883 536 6,008 6,00
Caller	(5.2 & 5.0) 11	1,000	2,00	2,000	2, 100	2,000	2,020
20. Industry (including building)							
Net value added	(B.1n-D.29+D.39) Pt	32,089	37,642	37,378	37,801	39,662	
Remuneration of employees	D.1 (Pt)	14,194	14,024	13,588	14,196	14,919	
Other Adjustment for stock appreciation	(B.2 & B.3) Pt (B.2 & B.3) Pt	18,568 -672	23,859 -241	23,304 486	23,336 269	24,999 -256	
, , , , , , , , , , , , , , , , , , , ,	(= = = = = = = = = = = = = = = = = = =						
20a. Industry Net value added	(B.1n-D.29+D.39) Pt	30,054	35.410	34,055	33,544	34,541	58 385
Remuneration of employees	D.1 (Pt)	10,184	10,690	10,521	11,006	11,274	
Other	(B.2 & B.3) Pt	20,543	24,961	23,048	22,269	23.523	
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	
20b. Building and construction							
Net value added	(B.1n-D.29+D.39) Pt	2,035	2,232	3,323	4,257	5,121	5,724
Remuneration of employees	D.1 (Pt)	4,010	3,334	3,067	3,190	3,645	
Other	(B.2 & B.3) Pt	-1,975	-1,101	256	1,067	1,476	
24 Diatribution trans							
21. Distribution, transport, software							
and communication Net value added	(B.1n-D.29+D.39) Pt	32,302	33,089	34,885	37,866	40,127	<u>4</u> 0 700
Remuneration of employees	D.1 (Pt)	17,395	17,541	18,160	19,364	19,938	
Other	(B.2 & B.3) Pt	14,545	15,547	16,731	18,232	19,685	
Adjustment for stock appreciation	(B.2 & B.3) Pt	362	1	-6	270	504	
22. Public administration and defence	D.4 (D)	5 500	5 740	F 047	F 600	5 004	0.000
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008
23. Other services (including rent)							
Net value added	(B.1n-D.29+D.39) Pt	54,557	53,538	53,291	53,394	56.965	60.556
Remuneration of employees	D.1 (Pt)	31,329	31,586	31,626	31,706	32,765	
Other	(B.2 & B.3) Pt	23,228	21,952	21,665	21,688	24,200	26,453
26. Statistical discrepancy (= Item 12)		39	-149	-467	-2,322	-1,913	155
27. Net value added at factor cost	B.1n-D.29+D.39	127,067	133,125	133,726	135,588	143,969	
						·	
28. plus Provision for depreciation Agriculture, forestry and fishing	P.51c	25,087 796	25,349 759	26,994 756	28,452 772	30,891 828	
Industry (including building)		6,698	6,535	6,763	6,881	6,863	
Industry		6,250	6,158	6,430	6,583	6,579	
Building and construction		448	377	333	298	284	
Distribution, transport, softw are & communication	cat	5,535	5,690	6,332	6,723	6,980	8,137
Public administration and defence		1,295	1,282	1,306	1,323	1,360	
Other services		10,763	11,083	11,837	12,753	14,860	17,476
20. Creas value added at factor cost	P.4 ~ D.20 . D.20	150 154	150 474	160 721	164.044	474 960	226 200
29. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	
30. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	
31. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444
32. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
33. Product taxes	D.21	16.311	15.945	16,341	16,996	18.514	
34. Product taxes	D.31	-1,111	-1,088	-1,089	-1,079	-981	
on. Troduct subsidies	D.01	1,111	1,000	1,000	1,075	301	311
35. Gross domestic product at current mark	et B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
36. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
37. Gross national product at current marke		138,667	139,282	142,203	151,899	163,445	202,642
38. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	
39. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	
40. Gross national income at autrent	n P 5*a	120 020	140 744	142 500	152 400	164 400	202 000
40. Gross national income at current market	. р. в.э g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

NIE2015 Table 2 (& Table 3) (published July 2016)

Other taxes on production (non product taxes)

NIE item 30 (and item 49)

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€2,536 million in 2013

Other subsidies on production (non product subsidies)

=

NIE item 31 (and item 50)

Ξ

€2,284 million in 2013

	Industries ZULO USE IdDIE -					_	<u>avi</u>	e z	JP	
		fotal inter-in dust ry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	Exports f.o.b. (free on board)	rotal Final uses	Total uses (= total supply in
NACE	Products	2	まる正	z	ত ভ	<u>p</u> 6	ਂ .ਂ≘	<u> </u>	2	2 - 5
1-3	Agriculture, forestry and fishing	7,307	2,135	_	_	-19	107	1,784	4,006	11,31
5-9	Mining, quarrying and extraction	4,915	345	_	22	213	392	520	1,494	6,40
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,68
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781	5,73
16	Wood and wood products (excl furniture)	953	101	-	-	10	-139	404	376	1,32
17 18	Pulp, paper and paper products	1,119 1,026	347 280	-	-	3 30	7 152	252 500	609 963	1,72
19,31,32	Printed matter and recorded media Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	1,98 23,68
20	Chemicals and chemical products	6,111	1,093	_	-	87	548	13,098	14,825	20,93
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,70
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,68
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,86
24	Basic metals	1,968	7	-	-		45	679	731	2,69
25 26	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,64
25	Computer, electronic & optical products Electrical equipment	4,373 1,722	575 311	-	-	1,790 380	366 140	9,281 1,015	12,012 1,847	16,386 3,568
28	Machinery and equipment n.e.c.	2,523	44	_	_	2,082	-201	2,376	4,300	6,82
29	Motor vehicles, trailers and semi-trailers	944	2,797	_	_	1,498	-151	285	4,429	5,37
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904	10,31
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62	88
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,03
36	Water collection, treatment and supply	113	309	-	159	3	-	-	468	58
37-39 41-43	Sewerage, refuse and remediation services Construction and construction works	717 2,669	432 532	_	319	9,398	96		851 9,930	1,56 12,59
45	Wholesale & retail trade/repair of vehicles	1.234	323	_	_	<i>9,39</i> 6	_		323	1,55
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899	23,54
47	Retail trade	208	88	_	-	7	-	-	95	30:
49	Land transport services	1,653	2,027	-	246	0	-	271	2,544	4,19
50	Water transport services	226	104	=	-	-	-	311	415	64
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426	6,92
52 53	Warehousing Postal and courier services	1,888 789	222 374	-	-	1	-	640	223 1,013	2,110 1,80
55-56	Accommodation and food & beverage services	789 882	8,103	-	-	0		1,922	10,025	10,90
58-60	Publishing, film and broadcasting services	3,008	1,111	_	182	2,152	_	12,171	15,617	18,62
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,87
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,54
64	Financial intermediation services	13,474	1,424	-	-	27	-	7,889	9,340	22,81
65	Insurance, reinsurance and pension funding	8,364	1,235	-	299	7	-	8,195	9,736	18,10
66 68	Other financial activities Real estate services	4,031 3,089	478 13,144	-	821	6 159	-	678	1,161 14,123	5,19 17,21
69-70	Legal and accounting services; mgt consultancy	10,611	211	_	- 021	849	_	346	1,406	12,01
71	Architectural and engineering services	1,164	12	_	_	312	_	328	653	1,81
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,45
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,54
74-75	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265	12,67
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630	59,77
78 79	Employment services	1,223 171	17 384	-	-	0	-	-	17 384	1,24 55
80-82	Travel and tourism service activities Security, office & business support services	2,958	37	_		64	_	_	101	3,05
84	Public administration	810	75	_	9,845	115	_	41	10,076	10,88
85	Education services	1,802	2,609	-	5,676	548	_	-	8,833	10,63
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653	15,81
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626	2,05
93	Recreation and sports activities	691	457		-	0	-	115	573	1,26
94 95	Membership organisation services	454 93	831	541	-	0	-	-	1,372 27	1,82
95 96	Repair of consumer goods Other personal service activities	93 489	27 873	-	-	1	-	-	27 874	1,36
97	Private households with employed persons		142	-	-	-	_	_	142	1,30
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,12
	Compensation of Employees	71,646					djustment	-162	-162	-162
i	Operating surplus, net	62,942				Exports (a	s per NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252 164 293)							

This Non product taxes (€2,536 million) minus Non product subsidies (€2,284 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 €252 million.

Again a detailed split is provided in Use table.

Net taxes (taxes less subsidies) on production = €252 million (in primary inputs of Use table)

Table 2 Net Value Added at Factor Cost by Se (Note the sectors here are based on NACE Rev. 2.					ent Marke	t Prices	€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [⊤]
19. Agriculture, forestry and fishing							
Net value added	(B.1n-D.29+D.39) Pt	2,573	3,256	3,023	3,159	3,326	3,296
Remuneration of employees	D.1 (Pt)	620	623	625	690	727	671
Other	(B.2 & B.3) Pt	1,953	2,634	2,399	2,469	2,599	2,625
20. Industry (including building)							
Net value added	(B.1n-D.29+D.39) Pt	32,089	37,642	37,378	37,801	39,662	64,109
Remuneration of employees	D.1 (Pt)	14,194	14,024	13,588	14,196	14,919	16,223
Other	(B.2 & B.3) Pt	18,568	23,859	23,304	23,336	24,999	48,405
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	-519
20a. Industry							
Net value added Remuneration of employees	(B.1n-D.29+D.39) Pt D.1 (Pt)	30,054 10,184	35,410 10,690	34,055 10,521	33,544 11,006	34,541 11,274	58,385 12,133
Other	(B.2 & B.3) Pt	20,543	24.961	23,048	22,269	23,523	46,771
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	-519
20b. Building and construction							
Net value added	(B.1n-D.29+D.39) Pt	2,035	2,232	3,323	4,257	5,121	5,724
Remuneration of employees	D.1 (Pt)	4,010	3,334	3,067	3,190	3,645	4,091
Other	(B.2 & B.3) Pt	-1,975	-1,101	256	1,067	1,476	1,634
21. Distribution, transport, software							
and communication	(B.1n-D.29+D.39) Pt	32.302	22.000	24.005	27.000	40 407	40.700
Net value added Remuneration of employees	D.1 (Pt)	17,395	33,089 17,541	34,885 18,160	37,866 19,364	40,127 19,938	40,708 21,290
Other	(B.2 & B.3) Pt	14,545	15,547	16,731	18,232	19,685	18,883
Adjustment for stock appreciation	(B.2 & B.3) Pt	362	1	-6	270	504	536
22. Public administration and defence	D.1 (Dt)	F F06	F 740	5.617	F 600	F 901	6.000
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008
23. Other services (including rent)							
Net value added	(B.1n-D.29+D.39) Pt	54,557	53,538	53,291	53,394	56,965	60,556
Remuneration of employees	D.1 (Pt)	31,329	31,586	31,626	31,706	32,765	34,103
Other	(B.2 & B.3) Pt	23,228	21,952	21,665	21,688	24,200	26,453
26. Statistical discrepancy (= ltem 12)		39	-149	-467	-2,322	-1,913	155
27. Net value added at factor cost	B.1n-D.29+D.39	127,067	133,125	133,726	135,588	143,969	174,831
28. plus Provision for depreciation	P.51c	25,087	25,349	26,994	28,452	30,891	61,558
Agriculture, forestry and fishing		796	759	756	772	828	839
Industry (including building)		6,698	6,535	6,763	6,881	6,863	33,683
Industry Building and construction		6,250 448	6,158 377	6,430 333	6,583 298	6,579 284	33,411 272
Distribution, transport, software & communication	ı	5,535	5,690	6,332	6,723	6,980	8,137
Public administration and defence		1,295	1,282	1,306	1,323	1,360	1,422
Other services		10,763	11,083	11,837	12,753	14,860	17,476
29. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389
30. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	3,023
31. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,201	-2,191	-2,444
32. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
33. Product taxes	D.21	16,311	15.945	16,341	16,996	18.514	19.758
34. Product subsidies	D.31	-1,111	-1,088	-1,089	-1,079	-981	-911
35. Gross domestic product at current market	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
36. Net factor income from the rest of the w orld	D.1 & D.4	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
	(net to abroad)						
37. Gross national product at current market p		138,667	139,282	142,203	151,899	163,445	202,642
38. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
39. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
40. Gross national income at current market p	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

NIE2015 Table 2 (& Table 3) (published July 2016)

Gross Value Added (GVA) at basic prices

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NIE item 32 (and item 51)

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€164,293 million in 2013

^{13 Use Table at purchasers' prices €m}

Industries 2013 Use Table – Table 2 (published 2016)

	Industries		<u> </u>	<u> </u>	la	<u> </u>		<u>avi</u>	<u> </u>	<u> 1</u> P
		Total inter-in dustry	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	7,307	2,135	-	-	-19	107	1,784	4,006	11,313
	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781	5,736
	Wood and wood products (excl furniture)	953 1.119	101 347	-	-	10 3	-139 7	404 252	376 609	1,329 1,729
	Pulp, paper and paper products Printed matter and recorded media	1,119	280	_		30	152	500	963	1,729
	Petroleum; furniture; other manufacturing	8,086	6,230	_	22	908	61	8,379	15,600	23,686
	Chemicals and chemical products	6,111	1,093	-	_	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24	Basic metals	1,968	7	-	-	-	45	679	731	2,699
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,647
26 27	Computer, electronic & optical products	4,373 1,722	575 311	-	-	1,790 380	366 140	9,281 1,015	12,012	16,386
	Electrical equipment Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	1,847 4,300	3,568 6,823
	Motor vehicles, trailers and semi-trailers	944	2,797			1,498	-151	2,370	4,429	5,373
	Other transport equipment	3,410	43	_	_	6,576	192	93	6,904	10,314
	Repair/installation of machinery & equipment	817	43	-	_	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930	12,599
	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323	1,556
	Wholesale trade	11,646 208	319	-	-	589 7	-	10,991	11,899 95	23,545
	Retail trade Land transport services	1,653	88 2,027	-	246	0	-	271	2,544	303 4,197
	Water transport services	226	104	_	246	-		311	415	641
51	Air transport services	1,495	1,404	_	_	_	_	4,023	5,426	6,921
52	Warehousing	1,888	222	-	-	1	_	-,	223	2,110
53	Postal and courier services	789	374	-	-	_	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,548
64 65	Financial intermediation services Insurance, reinsurance and pension funding	13,474 8,364	1,424 1,235	-	299	27 7	-	7,889 8,195	9,340 9,736	22,814 18,100
	Other financial activities	4,031	478	_	233	6		678	1,161	5,192
	Real estate services	3,089	13,144	_	821	159	_	-	14,123	17,212
	Legal and accounting services; mgt consultancy	10,611	211	-	-	849	_	346	1,406	12,018
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265	12,672
	Rental and leasing services	46,142 1,223	999 17	-	-	0	-	12,631	13,630	59,772
78 79	Employment services	1,223	384	-	-	0	-	-	17 384	1,240 555
	Travel and tourism service activities Security, office & business support services	2,958	37	_		64			101	3,059
84	Public administration	810	75	_	9,845	115	_	41	10,076	10,886
85	Education services	1,802	2,609	-	5,676	548	_	-	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626	2,053
93	Recreation and sports activities	691	457	-	-	0	-	115	573	1,264
94	Membership organisation services	454	831	541	-	-	-	-	1,372	1,826
95	Repair of consumer goods	93	27	-	-	0	-	-	27	120
96 97	Other personal service activities	489	873 142	-	-	1	-	-	874 142	1,363 142
97	Private households with employed persons Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646	70,113	1,020	30,333		ijustment	-162	-162	-162
	Operating surplus, net	62,342				Exports (a		191,183	337,523	566,960
	Consumption of fixed capital	28,452					. '1		•	
	Net taxes (taxes less subsidies) on production	252	\							
	Gross value added at basic prices	164,293	<i> </i>							

This **Gross Value Added** (GVA) at basic prices **(€164,293 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 €164,293 million. Again a detailed split is provided in Use table.

Gross value added at basic prices = €164,293 million (in primary inputs at foot of Use table)

2013 Use Table – Table 2 (published 2016)

	Industries	_							7101	
		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		T 0 F			0 +	<u> </u>			
1-3	Agriculture, forestry and fishing	7,307	2,135	_	_	-19	107	1,784	4,006	11,313
	Mining, quarrying and extraction	4,915	345	_	22	213	392	520	1,494	6,409
	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products		3,798		-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101	_	_	10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	347	_	_	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280	_	_	30	152	500	963	1,988
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	-	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24	Basic metals	1,968	7	-	-	-	45	679	731	2,699
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
29	Motor vehicles, trailers and semi-trailers	944	2,797	-	-	1,498	-151	285	4,429	5,373
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323	1,556
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899	23,545
47	Retail trade	208	88	-	-	7	-	-	95	303
49	Land transport services	1,653	2,027	-	246	0	-	271	2,544	4,197
50	Water transport services	226	104	-	-	-	-	311	415	641
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426	6,921
	Warehousing	1,888	222	-	-	1	-	-	223	2,110
53	Postal and courier services	789	374	-	-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,548
64	Financial intermediation services	13,474	1,424	-	200	27	-	7,889	9,340	22,814
65 66	Insurance, reinsurance and pension funding	8,364 4,031	1,235 478	-	299	7	-	8,195	9,736	18,100
68	Other financial activities Real estate services	3,089	13,144	-	821	6 159	-	678	1,161 14,123	5,192 17,212
69-70			211	-	821	849	-	346	1,406	12,018
71	Legal and accounting services; mgt consultancy Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
	Scientific research and development services	6,767	12	-	150	395	_	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	130	5	_	150	190	5,541
	Other professional, scientific services	8,408	156			311		3,797	4,265	12,672
74-73	Rental and leasing services	46,142	999			0		12,631	13,630	59,772
78	Employment services	1,223	17			0	_	12,031	13,030	1,240
79	Travel and tourism service activities	171	384			-	_		384	555
80-82	Security, office & business support services	2,958	37			64	_		101	3,059
84	Public administration	810	75	_	9.845	115	_	41	10,076	10,886
85	Education services	1,802	2,609	_	5,676	548	_		8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	_	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	_	405	1,626	2,053
	Recreation and sports activities	691	457	_	_	0	_	115	573	1,264
	Membership organisation services	454	831	541	_	-	_	-	1,372	1,826
-	Repair of consumer goods	93	27		_	О	_	_	27	120
	Other personal service activities	489	873		_	1			874	1,363
97	Private households with employed persons	-	142	-	_	-	-		142	142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646				cif/fob ad	justment	-162	-162	-162
	Operating surplus, net	63,942				Exports (a	s per NIE)	101,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								

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

For 2013, we see that total GDP at market prices in the Use table is FCE €78.115 billion + NPISH €1.826 billion + Govt. consumption expenditure €30.593 billion + GFCF €32.867 billion + Changes in Inventories €2.940 billion + Exports €191.345 billion – Imports €157.476 billion (from the Supply table) = €180.209 billion GDP at market prices

In Table 3 of the NIE, we see that Item 54 is GDP at current market prices is €180.209 billion as in the Supply & Use Table aggregates.

NIE2015 Table 3 (published July 2016)

Table 3 Gross Value Added at Factor Cost by Sector of Origin and Gross National Income at Current Market Prices													
(Note the sectors here are based on NACE Rev. 2. For further details see the methodology notes)													
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]						
41. Agriculture, forestry and fishing	(B.1g-D.29+D.39) Pt	3,369	4,015	3,779	3,932	4,154	4,135						
42. Industry (including building)	(B.1g-D.29+D.39) Pt	38,787	44,177	44,141	44,682	46,525	97,792						
42a. Industry	(B.1g-D.29+D.39) Pt	36,304	41,568	40,485	40,127	41,121	91,796						
42b. Building and construction	(B.1g-D.29+D.39) Pt	2,482	2,609	3,656	4,555	5,405	5,996						
43. Distribution, transport, software & communication	(B.1g-D.29+D.39) Pt	37,837	38,779	41,217	44,589	47,107	48,846						
44. Public administration and defence	(B.1g-D.29+D.39) Pt	6,802	7,031	6,922	7,013	7,161	7,430						
45. Other services (including rent)	(B.1g-D.29+D.39) Pt	65,320	64,621	65,128	66,147	71,825	78,032						
47. Statistical discrepancy (= ltem 12)		39	-149	-467	-2,322	-1,913	155						
48. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389						
49. Non product taxes	D.29	1,981	2.074	2,245	2,536	2,957	3,023						
50. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444						
51. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968						
52. Product taxes	D.21	16,311	15,945	16,341	16,996	18,514	19,758						
53. Product subsidies	D.31	-1,111	-1,088	-1,089	-1,079	-981	-911						
54. Gross domestic product at current market prices	s B.1*g	167,124	173,070	175,754	180,209	193,160	255,815						
55. Net factor income from the rest of the w orld	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173						
56. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642						
57. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571						
58. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327						
59. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886						
† Preliminary													

Gross Domestic Product (GDP)

=

NIE Item 54

=

€180.209 billion

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Cur							€ million	
Description	ESA Code	2010	2011	2012	2013	2014	2015 ¹	
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377	
of which:								
79(a) Final consumption expenditure								
of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260	
79(b) Final consumption expenditure								
of government		4,956	4,958	5,242	5,043	5,194	5,117	
80. Net expenditure by central and local government								
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985	
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,987	39,572	54,103	
82. Value of physical changes in stocks	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293	
of which	` ,							
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128	
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197	
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985	
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155	
86. Gross domestic product at current market prices	s B.1*g	167,124	173,070	175,754	180,209	193,160	255,815	
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173	
88. Gross national product at current market prices		138,667	139,282	39 859 598 2,827 1,293 9 83 -20 1 128 03 187,662 191,183 219,790 317,197 13 -157,516 -157,314 -185,182 -235,985 19 467 2,322 1,913 -155 70 175,754 180,209 193,160 255,815 38 -33,551 -28,310 -29,715 -53,173 32 142,203 151,899 163,445 202,642 98 1,632 1,450 1,318 1,571 40 -242 -247 -275 -327				
·	D.O. (DI)	,		,	,	,	•	
89. EU subsidies	D.3 (Pt)	1,494	1,698		,	,	,	
90. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327	
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886	
† Preliminary								

Personal consumption of goods and services =

NIE item 79

=

€84,983 million in 2013

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

NIE item 80

=

€25,550 million in 2013

NIE Items 79 + 80 = €84,983 + €25,550 = €110,533 million

Gross value added at basic prices Output at basic prices (= last row of Table 1)

2013 Use Table - Table 2 (published 2016)

	Industries	1		<u> </u>	IGI			<u>un</u>	<u> </u>	יא
		Total inter-industry	Final consumption of h'holds, excl govt transfers	HSIAN	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3 5-9	Agriculture, forestry and fishing	7,307 4,915	2,135		- 22	-19	107 392	1,784	4,006	11,313 6,409
5-9 10-12	Mining, quarrying and extraction Food & beverages and tobacco products	4,915 8,661	345 10,430		1	213 53	392 311	520 20,119	1,494 31,026	39,687
13-15	Textiles, wearing apparel and leather products	955	3,798		1	53 43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101			10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	347		_	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280		_	30	152	500	963	1,988
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230		22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	-	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	! -	-	9	-145	331	407	1,869
24	Basic metals	1,968	7		-	-	45	679	731	2,699
25	Fabricated metal products	1,781	285		-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575		-	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44		-	2,082	-201	2,376	4,300	6,823
29 30	Motor vehicles, trailers and semi-trailers	944	2,797 43		-	1,498	-151 192	285 93	4,429	5,373
33	Other transport equipment Repair/installation of machinery & equipment	3,410 817	43		-	6,576 3	192	93	6,904 62	10,314 880
35	Electricity and gas supply	4,388	2,321		179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309		159	-	130	-	468	581
37-39	Sewerage, refuse and remediation services	717	432		319	3	96	_	851	1,567
41-43	Construction and construction works	2,669	532	-	-	9,398	-	_	9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323		_	-,	_	_	323	1,556
46	Wholesale trade	11,646	319	-	_	589	-	10,991	11,899	23,545
47	Retail trade	208	88	-	-	7	-	-	95	303
49	Land transport services	1,653	2,027	-	246	0	-	271	2,544	4,197
50	Water transport services	226	104		-	=	-	311	415	641
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426	6,921
52	Warehousing	1,888	222		-	1	-	-	223	2,110
53	Postal and courier services	789	374		-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103		-	0	-	1,922	10,025	10,907
58-60 61	Publishing, film and broadcasting services	3,008	1,111		182	2,152 13	-	12,171	15,617	18,625
61 62-63	Telecommunications services	1,882	2,356		81		-	538	2,989	4,871
64	Computer consultancy; data processing Financial intermediation services	13,590 13,474	260 1,424		-	2,135 27	-	31,563 7,889	33,958 9,340	47,548 22,814
65	Insurance, reinsurance and pension funding	8,364	1,235		299	7	_	8.195	9,736	18,100
66	Other financial activities	4,031	478			6	_	678	1,161	5,192
68	Real estate services	3,089	13,144		821	159	_		14,123	17,212
69-70	Legal and accounting services; mgt consultancy	10,611	211		_	849	-	346	1,406	12,018
71	Architectural and engineering services	1,164	12		-	312	_	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
74-75	Other professional, scientific services	8,408	156		-	311	-	3,797	4,265	12,672
77	Rental and leasing services	46,142	999		-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17		-	0	-	-	17	1,240
79	Travel and tourism service activities	171	384		-	-	-	-	384	555
80-82	Security, office & business support services	2,958	37			64	-		101	3,059
84	Public administration	810	75		9,845	115	-	41	10,076	10,886
85 86-88	Education services	1,802	2,609		5,676	548 31	-	256	8,833	10,635
90-92	Human health and social work services Cultural, arts and gambling activities	1,162 427	2,537 1,057		10,656	163	-	405	14,653 1,626	15,814 2,053
90-92	Recreation and sports activities	427 691	1,057		-	163	-	405 115	1,626 573	2,053 1,264
93	Membership organisation services	454	831		_	-	-	112	1,372	1,264
95	Repair of consumer goods	93	27		-	0	_	-	27	1,826
96	Other personal service activities	489	2/			1	_	_	874	1,363
97	Private households with employed persons	-	142	! -		-	_	_	142	142
	Total intermediate consumption	229,437	78,115		30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646				cif/fob a	djustment	-162	-162	-162
	Operating surplus, net	63,942				Exports (a	s per NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452	1							
	Net taxes (taxes less subsidies) on production	252	l							
	Gross value added at basis prices									

This expenditure figure of €110,533 million from Table 5 of the NIE is consistent with the Final consumption of households + NPISH + Govt. consumption plus transfers = €78,115m + €1,826m + €30,593 million = €110,533 million figure in the final uses at the right of the Use Table available by detailed product.

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Cu	rent Market Pric	es					€ million
							€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
of which: 79(a) Final consumption expenditure of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260
79(b) Final consumption expenditure of government		4,956	4,958	5,242	5,043	5,194	5,117
80. Net expenditure by central and local government							
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103
82. Value of physical changes in stocks of which	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155
86. Gross domestic product at current market price	s B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
89. EU subsidies 90. EU taxes	D.3 (Pt) D.2 (Pt)	1,494 -229	1,698 -240	1,632 -242	1,450 -247	1,318 -275	1,571 -327
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary # Excluding factor income flows							

Final consumption expenditure of Households and NPISHs = NIE item 79(a) = €79,940 million in

2013

Output at basic prices (= last row of Table 1)

dustries	20 1	<u> </u>	Jse 3	Tabl	e – ⁻	<u> </u>	le 2	. (1	pul	blis	hed	20	16)	
							1 -		1				-	4

	Industries						•	<u> </u>		
		Total inter-in dustry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	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	7,307	2,135	-	-	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101	=	-	10	-139	404	376	1,329
17 18	Pulp, paper and paper products Printed matter and recorded media	1,119 1,026	347 280	-	-	3 30	7 152	252 500	609 963	1,729 1,988
	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	_	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	_	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-	-,	17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	_	9	-145	331	407	1,869
24	Basic metals	1,968	7	_	-	_	45	679	731	2,699
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
29	Motor vehicles, trailers and semi-trailers	944	2,797	-	-	1,498	-151	285	4,429	5,373
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817	43	-	470	3	16	7	62	880
35 36	Electricity and gas supply Water collection, treatment and supply	4,388 113	2,321 309	-	179 159	5	136	,	2,648 468	7,036 581
37-39	Sewerage, refuse and remediation services	717	432	_	319	3	96		408 851	1,567
41-43	Construction and construction works	2,669	532	_	319	9,398	-	_	9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323	_	_	5,556	_	_	323	1,556
46	Wholesale trade	11,646	319	_	_	589	_	10,991	11,899	23,545
47	Retail trade	208	88	-	-	7	_	-	95	303
49	Land transport services	1,653	2,027	-	246	О	-	271	2,544	4,197
50	Water transport services	226	104	-	-	-	-	311	415	641
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426	6,921
52	Warehousing	1,888	222	-	-	1	-	-	223	2,110
53	Postal and courier services	789	374	-	-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61 62-63	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
64	Computer consultancy; data processing Financial intermediation services	13,590 13,474	260 1,424	-	-	2,135 27	-	31,563 7,889	33,958 9,340	47,548 22,814
65	Insurance, reinsurance and pension funding	8,364	1,235	_	299	7	_	8,195	9,736	18,100
66	Other financial activities	4,031	478	_	-	6	_	678	1,161	5,192
68	Real estate services	3,089	13,144	-	821	159	_	_	14,123	17,212
69-70	Legal and accounting services; mgt consultancy	10,611	211	-	-	849	-	346	1,406	12,018
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265	12,672
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17	-	-	0	-	-	17	1,240
79	Travel and tourism service activities	171	384	=	-	-	-	-	384	555
80-82 84	Security, office & business support services Public administration	2,958 810	37 75	-	9.845	64 115	-	41	101 10,076	3,059 10,886
85	Education services	1,802	2,609	-	5,676	548	-	41	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31		256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-,1,5	-	163	_	405	1,626	2,053
93	Recreation and sports activities	691	457	-	-	0	_	115	573	1,264
94	Membership organisation services	454	831	541	-	_	-	-	1,372	1,826
95	Repair of consumer goods	93	27	-	-	0	-	-	27	120
96	Other personal service activities	489	3/3		-	1	-	-	874	1,363
97	Private households with employed persons	-	142	-	-	-	-	-	142	142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646			•		ijustment	-162	-162	-162
	Operating surplus, net	63,942				Exports (a	s per NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452 252	I							
	Net taxes (taxes less subsidies) on production	252	l							

This **Final** consumption expenditure of Households and **NPISHs** figure of €79,940 million from Table 5 of the NIE is consistent with the Final consumption of households + NPISH = €78,115m + €1,826m = €79,940 million figure in the final uses at the right of the Use Table.

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Cur	rent Market Pric	es					€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
79. Personal consumption of goods and services	P.3 (Pt)	83.741	83.684	84.203	84,983	87.760	92,377
of which:	- ()	,	,	,	,	- ,	- ,-
79(a) Final consumption expenditure							
of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260
79(b) Final consumption expenditure							
of government		4,956	4,958	5,2 4 2	5,043	5,194	5,117
80. Net expenditure by central and local government)	
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103
82. Value of physical changes in stocks of which	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155
86. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
89. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
90. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							
# Excluding factor income flows							

Final consumption expenditure of government

NIE item 79(b)

=

€5,043 million in 2013

+

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

NIE item 80

=

€25,550 million in 2013

= €30,593 million in 2013

Output at basic prices (= last row of Table 1)

<u> 2013 Use Table – Table 2 (published 2016)</u>

	maastries									
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in in ventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products		T 0 P			0 4	<u> </u>			- 0 -
1-3	Agriculture, forestry and fishing	7,307	2,135	-	-	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101	-	-	10	-139	404	376	1,329
17 18	Pulp, paper and paper products Printed matter and recorded media	1,119 1,026	347 280	-	-	3 30	7 152	252 500	609 963	1,729 1,988
	Petroleum; furniture; other manufacturing	8,086	6,230	_	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	_	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509	_	1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507	-		17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407	1,869
24	Basic metals	1,968	7	-	-	-	45	679	731	2,699
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012	16,386
27 28	Electrical equipment	1,722 2,523	311 44	-	-	380 2.082	140 -201	1,015 2,376	1,847 4,300	3,568 6,823
20	Machinery and equipment n.e.c. Motor vehicles, trailers and semi-trailers	944	2,797		-	1,498	-201	2,376	4,429	5,373
30	Other transport equipment	3,410	43	_	_	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817	43	-	_	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
41-43	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930	12,599
45 46	Wholesale & retail trade/repair of vehicles	1,234	323 319	-	-	589	-	40.004	323	1,556
46	Wholesale trade Retail trade	11,646 208	88	-	-	589 7	-	10,991	11,899 95	23,545 303
49	Land transport services	1,653	2,027	_	246	0	_	271	2,544	4,197
50	Water transport services	226	104	_	-	-	_	311	415	641
51	Air transport services	1,495	1,404	-	_	_	-	4,023	5,426	6,921
52	Warehousing	1,888	222	-	-	1	-	-	223	2,110
53	Postal and courier services	789	374	-	-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61 62-63	Telecommunications services	1,882	2,356 260	-	81	13 2,135	-	538 31,563	2,989 33,958	4,871
64	Computer consultancy; data processing Financial intermediation services	13,590 13,474	1.424	-	-	2,135 27	-	7,889	9,340	47,548 22,814
65	Insurance, reinsurance and pension funding	8,364	1,235	_	299	7	_	8,195	9,736	18,100
66	Other financial activities	4,031	478	_		6	-	678	1,161	5,192
68	Real estate services	3,089	13,144	-	821	159	-	-	14,123	17,212
69-70	Legal and accounting services; mgt consultancy	10,611	211	-	-	849	-	346	1,406	12,018
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35	-	-	5	-	150	190	5,541
74-75 77	Other professional, scientific services Rental and leasing services	8,408 46,142	156 999	-	-	311 0	-	3,797 12,631	4,265 13,630	12,672 59,772
78	Employment services	1,223	17	_		0	_	12,631	13,630	1,240
79	Travel and tourism service activities	1,223	384	_	_	-		_	384	555
80-82	Security, office & business support services	2,958	37	_	_	64	_	_	101	3,059
84	Public administration	810	75	-	9,845	115	-	41	10,076	10,886
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626	2,053
93	Recreation and sports activities	691	457	-	-	0	-	115	573	1,264
94 95	Membership organisation services Repair of consumer goods	454 93	831 27	541	-	0	-	-	1,372 27	1,826 120
	Other personal service activities	489	873	_		1	_	_	874	1,363
97	Private households with employed persons	55	142	-		•	_	_	142	142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646		1			djustment	-162	-162	-162
	Operating surplus, net	63,942				Exports (a	s per NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								

This figure of €30,593 million from Table 5 of the NIE is consistent with the Government consumption expenditure plus transfers figure of €30,593 million found in the final uses at the right of the Use Table and is split in the column by type of product.

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Curr	ent Market Pric	es					€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
of which:							
79(a) Final consumption expenditure							
of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260
79(b) Final consumption expenditure							
of government		4,956	4,958	5,242	5,043	5,194	5,117
80. Net expenditure by central and local government							
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103
82. Value of physical changes in stocks	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293
of which							
82(a) Net additions to the breeding stocks		-55	19	83	-20) 1	128
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155
86. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
89. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
90. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							
# Excluding factor income flows							

Gross domestic fixed capital formation

=

NIE item 81

=

€32,887 million in 2013

+

Net additions to the breeding stocks

=

NIE item 82(a)

=

-€20 million in 2013

= €32,867 million in 2013

Output at basic prices (= last row of Table 1)

2013 Use Table - Table 2 (published 2016)

	Industries				IGI			uNI		_\
		Total inter-industry	Final consumption of h'holds, excl govt	HSIAN	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	7,307	2,135		-	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345		22	213	392	520	1,494	6,409
	Food & beverages and tobacco products	8,661	10,430		1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products		3,798		-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101		-	10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	347		-	3	7	252	609	1,729
18 19,31,32	Printed matter and recorded media Petroleum; furniture; other manufacturing	1,026 8,086	280 6,230		22	30 908	152 61	500 8,379	963 15,600	1,988 23,686
20	Chemicals and chemical products	6,111	1,093			908 87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,078	1,509		1,934	1,740	412	31,031	36,625	41,703
22	Rubber and plastics	2,158	507			17	-15	1,019	1,527	3,685
23	Other non-metallic mineral products	1,462	212	2 -	_	9	-145	331	407	1,869
24	Basic metals	1,968	7		-	_	45	679	731	2,699
25	Fabricated metal products	1,781	285	5 -	-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	5 -	=.	1,790	366	9,281	12,012	16,386
	Electrical equipment	1,722	311		-	380	140	1,015	1,847	3,568
	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
	Motor vehicles, trailers and semi-trailers	944	2,797		-	1,498	-151	285	4,429	5,373
	Other transport equipment	3,410	43		-	6,576	192	93	6,904	10,314
	Repair/installation of machinery & equipment	817	43		179	3	16	7	62	880 7,036
36	Electricity and gas supply	4,388	2,321 309		179	5	136	,	2,648 468	7,036 581
37-39	Water collection, treatment and supply Sewerage, refuse and remediation services	113 717	432		319	3	96	-	851	1,567
41-43	Construction and construction works	2,669	532		319	9,398	-		9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323		_	5,556	_	_	323	1,556
46	Wholesale trade	11,646	319		_	589	_	10,991	11,899	23,545
47	Retail trade	208	88		=.	7	-	,	95	303
49	Land transport services	1,653	2,027		246	0	_	271	2,544	4,197
50	Water transport services	226	104	1 -	-	-	-	311	415	641
51	Air transport services	1,495	1,404		-	-	-	4,023	5,426	6,921
52	Warehousing	1,888	222	="	-	1	-	-	223	2,110
53	Postal and courier services	789	374		-	-	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103		-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111		182	2,152	-	12,171	15,617	18,625
61 62-63	Telecommunications services Computer consultancy; data processing	1,882 13,590	2,356 260		81	13 2,135	-	538 31,563	2,989 33,958	4,871 47,548
64	Financial intermediation services	13,590	1.424		-	2,135	-	7,889	9,340	22.814
65	Insurance, reinsurance and pension funding	8,364	1,235		299	7	_	8,195	9,736	18,100
66	Other financial activities	4,031	478		-	6	_	678	1.161	5,192
68	Real estate services	3,089	13,144	1 -	821	159	-	-	14,123	17,212
69-70	Legal and accounting services; mgt consultancy		211		-	849	-	346	1,406	12,018
71	Architectural and engineering services	1,164	12	_	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-		150	395	-	1,147	1,692	8,458
73	Advertising and market research services	5,352	35		-	5	-	150	190	5,541
74-75	Other professional, scientific services	8,408	156		=	311	-	3,797	4,265	12,672
77	Rental and leasing services	46,142	999		-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17		-	0	-	-	17	1,240
79	Travel and tourism service activities	171	384		=	-	-	_	384	555
80-82	Security, office & business support services	2,958	37 75		0.045	64 115	-		101	3,059
84 85	Public administration Education services	810 1,802	2,609		9,845 5,676	548	-	41	10,076 8,833	10,886 10,635
86-88	Human health and social work services	1,162	2,537		10,656	31		256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057		10,030	163	_	405	1,626	2,053
93	Recreation and sports activities	691	457		_	0	_	115	573	1,264
94	Membership organisation services	454	831		_	-	_	-	1,372	1,826
	Repair of consumer goods	93	27		-	0	-	-	27	120
96	Other personal service activities	489	873	-	- 4		-	-	874	1,363
97	Private households with employed persons	-	142				-	-	142	142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646				cif/fob ed		-162	-162	-162
	Operating surplus, net	63,942				Exports (as	per NIE)	191,183	337,523	566,960
	Consumption of fixed capital Net taxes (taxes less subsidies) on production	28,452 252								
	Gross value added at basic prices	164,293								
	5.055 value added at pasic prices	10-7,233	l							

This Gross Fixed Capital Formation (GFCF) figure of €32,867 million from Table 5 of the NIE including Net additions to the Breeding Stocks figure of -€20 million is consistent with the Gross fixed capital formation figure of €32,867 million found in the final uses at the right of the Use Table again provided by type of product.

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Curr	rent Market Pric	es					€ million	
							C ITIIIIOTT	
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]	
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377	
of which:	F.3 (Ft)	03,741	03,004	04,203	04,903	87,700	92,377	:
79(a) Final consumption expenditure of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260	4
79(b) Final consumption expenditure of government		4,956	4,958	5,242	5,043	5,194	5,117	
80. Net expenditure by central and local government	D 2 (Dt)	20,024	20,025	25 004	25.550	00 470	20.005	
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985	
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103	
82. Value of physical changes in stocks of which	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293	:
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128	
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197	'
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985	
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155	
86. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815	
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173	
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642	
89. EU subsidies 90. EU taxes	D.3 (Pt) D.2 (Pt)	1,494 -229	1,698 -240	1,632 -242	1,450 -247	1,318 -275	1,571 -327	
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886	1
† Preliminary # Excluding factor income flows								

Value of physical changes in stocks (Change in inventories) NIE item 82 €598 million in 3 Net additions to the breeding stocks NIE item 82(a) -€20 million in 2013 Statistical discrepancy NIE item 85 (= item 12) €2,322 million in 2013

,

= €2,940 million in 2013

Gross value added at basic prices

Output at basic prices (= last row of Table 1)

2013 Use Table - Table 2 (published 2016)

	Industries				IGI			<u>uni</u>		_\P'
		Total inter-in dustry	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	7,307	2,135	-	-	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)	953	101	-	-	10	-139	404	376	1,329
17	Pulp, paper and paper products	1,119	347	-	-	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280	-	-	30	152	500	963	1,988
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products	6,111	1,093	-	4.024	87	548	13,098	14,825	20,936
21 22	Basic pharmaceutical products Rubber and plastics	5,078 2,158	1,509 507	-	1,934	1,740 17	412 -15	31,031 1,019	36,625 1,527	41,703 3,685
23	Other non-metallic mineral products	1,462	212	-	-	9	-15 -145	331	407	1,869
24	Basic metals	1,968	7			-	45	679	731	2,699
25	Fabricated metal products	1,781	285	_		146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	_	_	1,790	366	9,281	12,012	16,386
27	Electrical equipment	1,722	311	-	_	380	140	1,015	1,847	3,568
28	Machinery and equipment n.e.c.	2,523	44	-	-	2,082	-201	2,376	4,300	6,823
29	Motor vehicles, trailers and semi-trailers	944	2,797	-	-	1,498	-151	285	4,429	5,373
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904	10,314
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62	880
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648	7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
41-43	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930	12,599
45	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323	1,556
46 47	Wholesale trade Retail trade	11,646 208	319 88	-	-	589 7	-	10,991	11,899 95	23,545 303
47	Land transport services	1,653	2,027	-	246	0	-	271	2,544	4,197
50	Water transport services	226	104	_	246	-	_	311	415	641
51	Air transport services	1,495	1,404	_		_	_	4,023	5,426	6,921
52	Warehousing	1,888	222	_	_	1	_	-1,025	223	2,110
53	Postal and courier services	789	374	-	_	_	-	640	1,013	1,802
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025	10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958	47,548
64	Financial intermediation services	13,474	1,424	-	-	27	-	7,889	9,340	22,814
65	Insurance, reinsurance and pension funding	8,364	1,235	-	299	7	-	8,195	9,736	18,100
66	Other financial activities	4,031	478	-	-	6	-	678	1,161	5,192
68 69-70	Real estate services Legal and accounting services; mgt consultancy	3,089 10,611	13,144 211	-	821	159 849	-	346	14,123 1,406	17,212 12,018
71	Architectural and engineering services	1,164	12	-	-	849 312	-	346	653	1,817
72	Scientific research and development services	6,767	- 12		150	395		1.147	1,692	8,458
73	Advertising and market research services	5,352	35	_	-	5	_	150	190	5,541
74-75	Other professional, scientific services	8,408	156	_	_	311	_	3,797	4,265	12,672
77	Rental and leasing services	46,142	999	-	_	0	_	12,631	13,630	59,772
78	Employment services	1,223	17	-	-	0	-	-	17	1,240
79	Travel and tourism service activities	171	384	-	-	-	-	_	384	555
80-82	Security, office & business support services	2,958	37	-	-	64	-	-	101	3,059
84	Public administration	810	75	-	9,845	115	-	41	10,076	10,886
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653	15,814
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626	2,053
93	Recreation and sports activities	691	457	-	-	0	-	115	573	1,264
94 95	Membership organisation services	454 93	831	541	-	0	-	-	1,372	1,826
95 96	Repair of consumer goods Other personal service activities	93 489	27 873	-	-	1	-	-	27 874	120 1,363
96	Private households with employed persons	469	873 142	-	_	1		Ī	142	1,363
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,940	1)1,345	337,686	567,122
	Compensation of Employees	71,646	. 2,113	_,5_0	,		iustment	-162	-162	-162
	Operating surplus, net	63,942					as er NIE)	191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
-		464 303								

This Changes stocks figure of €598 million from Table 5 of the NIE minus the Net additions to the **breeding stocks** figure of -€20 million plus the **Statistical Discrepancy** figure of **€2,322 million** is consistent with the change in inventories figure of **€2,940 million** found in the final uses at the right of the Use Table. 42

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Curr							€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 ¹
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
of which:							
79(a) Final consumption expenditure							
of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260
79(b) Final consumption expenditure							
of government		4,956	4,958	5,242	5,043	5,194	5,117
80. Net expenditure by central and local government							
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103
82. Value of physical changes in stocks of which	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155
86. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
89. EU subsidies	D.3 (Pt)	1.494	1.698	1.632	1.450	1,318	1.571
90. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							
# Excluding factor income flows							

Exports of goods and services

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NIE item 83

=

€191,183 million in 2013

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.

Table 2

2013 Use Table at purchasers' prices 6m 2013 Use Table — Table 2 (published 2016)

	Industries	ZU.	L3 L	Jse	lai	ne	-	apı	e z	(pt
		Total inter-industry	Final consumption of h'holds, excl govt transfers		Govt consumption plus transfers	pital		Exports f.o.b. (free on board)	×ı	yin
		er-in c	sump Is, exi		Govt consump plus transfers	Gross fixed capita formation	L S	f.o.b.	Fotal Final uses	otal uses = total supply in able 1)
		alinte	Final consu of h'holds, transfers	SH	rt con s tran	Gross fixe formation	Change in in ventories	Exports f.c on board)	al Fin:	Total uses (= total su _l Table 1)
		Tota	Fina of h trar	NPISH	go Go	Gro	L. Cha	효교	Tota	Tota (= t Tab
NACE 1-3	Products Agriculture, forestry and fishing	7,307	2,135	_	_	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53 43	311 549	20,119 391	31,026	39,687
13-15 16	Textiles, wearing apparel and leather products Wood and wood products (excl furniture)	955 953	3,798 101	_	-	43 10	-139	391 404	4,781 376	5,736 1,329
17	Pulp, paper and paper products	1,119	347	-	-	3	7	252	609	1,729
18	Printed matter and recorded media	1,026	280	-	- 22	30 908	152 61	500	963	1,988
19,31,32 20	Petroleum; furniture; other manufacturing Chemicals and chemical products	8,086 6,111	6,230 1,093	-	-	908 87	548	8,379 13,098	15,600 14,825	23,686 20,936
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625	41,703
22 23	Rubber and plastics	2,158	507	-	-	17 9	-15 -145	1,019	1,527	3,685
23	Other non-metallic mineral products Basic metals	1,462 1,968	212 7	_	-	-	-145 45	331 679	407 731	1,869 2,699
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866	3,647
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012	16,386
27 28	Electrical equipment Machinery and equipment n.e.c.	1,722 2,523	311 44	-	-	380 2,082	140 -201	1,015 2,376	1,847 4,300	3,568 6,823
29	Motor vehicles, trailers and semi-trailers	944	2,797	-	-	1,498	-151	285	4,429	5,373
30 33	Other transport equipment	3,410	43	-	-	6,576 3	192	93	6,904	10,314
33 35	Repair/installation of machinery & equipment Electricity and gas supply	817 4,388	43 2,321	-	179	3 5	16 136	7	62 2,648	880 7,036
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468	581
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851	1,567
41-43 45	Construction and construction works Wholesale & retail trade/repair of vehicles	2,669 1,234	532 323	-	-	9,398	-	-	9,930 323	12,599 1,556
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899	23,545
47	Retail trade	208	88	-	-	7	-	-	95	303
49 50	Land transport services Water transport services	1,653 226	2,027 104	-	246	0	-	271 311	2,544 415	4,197 641
51	Air transport services	1,495	1,404	-	-	-	_	4,023	5,426	6,921
52	Warehousing	1,888	222	-	-	1	-	-	223	2,110
53 55-56	Postal and courier services Accommodation and food & beverage services	789 882	374 8,103	-	-	0	-	640 1,922	1,013 10,025	1,802 10,907
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	_	12,171	15,617	18,625
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989	4,871
62-63 64	Computer consultancy; data processing	13,590 13,474	260	-	-	2,135	-	31,563	33,958	47,548
65	Financial intermediation services Insurance, reinsurance and pension funding	8,364	1,424 1,235	-	299	27 7	-	7,889 8,195	9,340 9,736	22,814 18,100
66	Other financial activities	4,031	478	-	-	6	-	678	1,161	5,192
68 69-70	Real estate services	3,089 10,611	13,144 211	-	821	159 849	-	346	14,123 1,406	17,212 12,018
71	Legal and accounting services; mgt consultancy Architectural and engineering services	1,164	12	-	-	312	-	328	653	1,817
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692	8,458
73 74-75	Advertising and market research services Other professional, scientific services	5,352 8,408	35 156	-	-	5 311	-	150 3,797	190 4,265	5,541 12,672
74-75	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630	59,772
78	Employment services	1,223	17	-	-	0	-	-	17	1,240
79	Travel and tourism service activities	171	384	-	-	-	-	-	384	555
80-82 84	Security, office & business support services Public administration	2,958 810	37 75	_	9,845	64 115	-	41	101 10,076	3,059 10,886
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833	10,635
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653	15,814
90-92 93	Cultural, arts and gambling activities Recreation and sports activities	427 691	1,057 457	-	-	163 0	-	405 115	1,626 573	2,053 1,264
94	Membership organisation services	454	831	541	-	-	-		1,372	1,826
95	Repair of consumer goods	93	27	-	-	0	-	-	27	120
96 97	Other personal service activities Private households with employed persons	489	873 142	-	-	1	-		874 142	1,363 142
	Total intermediate consumption	229,437	78,115	1,826	30,593	32,867	2,94	191,345	337,686	567,122
	Compensation of Employees	71,646					djustment	-162	-162	-162
	Operating surplus, net Consumption of fixed capital	63,942 28,452				Exports (a	s per NI	191,183	337,523	566,960
	Net taxes (taxes less subsidies) on production	252								

164,293

Output at basic prices (= last row of Table 1)

This **Exports of goods** and services figure of €191,183 million from Table 5 of the NIE is consistent with the **Exports figure of** €191,345 million + adjustment for cif/fob of -€162 million = €191,183 million found in the final uses at the right of the Use Table again provided by product type.

NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Curr	ent Market Pric	es					€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 [†]
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
of which:							
79(a) Final consumption expenditure							
of Households and NPISHs		78,785	78,726	78,961	79,940	82,566	87,260
79(b) Final consumption expenditure							
of government		4,956	4,958	5,242	5,043	5,194	5,117
80. Net expenditure by central and local government							
on current goods and services	P.3 (Pt)	26,631	26,625	25,901	25,550	26,479	26,985
81. Gross domestic fixed capital formation	P.51 (Pt) & P.53	29,482	29,813	34,178	32,887	39,572	54,103
82. Value of physical changes in stocks of which	P.51 (Pt) & P.52	-561	639	859	598	2,827	1,293
82(a) Net additions to the breeding stocks		-55	19	83	-20	1	128
83. Exports of goods and services #	P.6	172,795	177,303	187,662	191,183	219,790	317,197
84. less Imports of goods and services #	P.7	-144,925	-145,143	-157,516	-157,314	-185,182	-235,985
85. Statistical discrepancy (= - Item 12)		-39	149	467	2,322	1,913	-155
86. Gross domestic product at current market prices	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
87. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
88. Gross national product at current market prices		138,667	139,282	142,203	151,899	163,445	202,642
89. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
90. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
91. Gross national income at current market prices	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							
# Excluding factor income flows							

Imports of goods and services

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NIE item 84

=

€157,314 million in 2013

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.

2013 Supply Table – Table 1 (published 2016)

	Industries		· P P ·	,				
		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 5-9	Agriculture, forestry and fishing	8,569 1,161	1,199 4,644	1,469 503	85 101	-9	11,313 6,409	
10-12	Mining, quarrying and extraction Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59	39,687	
13-15	Textiles, wearing apparel and leather products	415	2,794	1,953	574	-	5,736	
16	Wood and wood products (excl furniture)	726	336	246	21	-	1,329	
17	Pulp, paper and paper products	391	1,112	93	133	-	1,729	
18	Printed matter and recorded media	1,050 10,147	206 6,854	685 2,954	47 3,737	- -5	1,988 23,686	
20	Petroleum; furniture; other manufacturing Chemicals and chemical products	13,802	6,598	324	212	-5	20,936	
21	Basic pharmaceutical products	31,038	6,178	4,030	457	-	41,703	
22	Rubber and plastics	1,485	1,728	337	136	=	3,685	
23	Other non-metallic mineral products	1,116	506	196	49	=	1,869	
24 25	Basic metals Fabricated metal products	731 1,825	1,380 1,023	587 685	1 114	-	2,699 3,647	
26	Computer, electronic & optical products	9.297	6,541	333	215	-	16,386	
27	Electrical equipment	1,078	1,825	508	158	-	3,568	
28	Machinery and equipment n.e.c.	2,410	3,498	823	92	-	6,823	
29	Motor vehicles, trailers and semi-trailers	669	2,247	1,521	937	=	5,373	
30 33	Other transport equipment	102 821	10,098	39 44	75 15	-	10,314 880	
35	Repair/installation of machinery & equipment Electricity and gas supply	6,424	84	202	326	-	7,036	
36	Water collection, treatment and supply	477	-	3	102	-	581	
37-39	Sewerage, refuse and remediation services	1,482	-	16	69	-	1,567	
41-43	Construction and construction works	10,619	-	-	1,979	-	12,599	
45	Wholesale & retail trade/repair of vehicles	2,052	-	-519	23	=	1,556	
46 47	Wholesale trade Retail trade	23,794 11,618	13,327	-13,596 -11,324	20 9	-	23,545 303	
49	Land transport services	4,025	225	-11,324	25	-79	4,197	
50	Water transport services	569	71	-	0	-	641	
51	Air transport services	5,502	1,418	-	2	-	6,921	
52	Warehousing	2,041	86	-	3	-20	2,110	
53 55-56	Postal and courier services Accommodation and food & beverage services	1,324 6,364	425 3,357	_	53 1.186	-	1,802 10,907	
58-60	Publishing, film and broadcasting services	18,257	216	=	152	-	18,625	
61	Telecommunications services	3,433	1,125	-	313	-	4,871	
62-63	Computer consultancy; data processing	46,900	516	-	133	-	47,548	
64	Financial intermediation services	17,457	5,259	-	97 539	-	22,814	
65 66	Insurance, reinsurance and pension funding Other financial activities	12,041 4,451	5,519 467	_	275	-	18,100 5,192	
68	Real estate services	17,036	-	_	176	_	17,212	
69-70	Legal and accounting services; mgt consultancy	10,531	1,200	-	289	-3	12,018	
71	Architectural and engineering services	1,646	161	-	10	-	1,817	
72 73	Scientific research and development services	1,963 929	6,496 4,553	-	0 59	-	8,458 5,541	
74-75	Advertising and market research services Other professional, scientific services	6,019	6,401	_	253	_	12,672	
77	Rental and leasing services	19,979	39,408	_	385	-	59,772	
78	Employment services	1,225	-	-	15	-	1,240	
79	Travel and tourism service activities	516	=	=	38	=	555	
80-82 84	Security, office & business support services Public administration	3,022	31	-	37 26	-	3,059	
84 85	Education services	10,829 11,072	31	_	3	-440	10,886 10,635	
86-88	Human health and social work services	16,256	16	=	6	-463	15,814	
90-92	Cultural, arts and gambling activities	1,625	428	-	1	-	2,053	
93	Recreation and sports activities	1,173	55	-	36	-	1,264	
94	Membership organisation services	1,826	=	-	1 12	-	1,826	
95 96	Repair of consumer goods Other personal service activities	108 1,172	- 25	-	12 166	=	120 1,363	
97	Private households with employed persons	142		-	-	=	142	
	Total output by industry (= last row of Table 2)	393,729	157,476	0	16,996	-1,079	567,122	
			-162	of/fob adju	stment		- <i>162</i> 566,960	
157,314 Imports f.o.b. (as per NIE) 5								

This **Imports of goods** and services figure of €157,314 million from Table 5 of the NIE is consistent with the Imports figure of €157,476 million + adjustment for cif/fob of **-€162** million = €157,314 million found in the Supply Table provided by type of product.

Table 2 Net Value Added at Factor Cost by So (Note the sectors here are based on NACE Rev. 2.					nt Market	Prices	€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015⊺
19. Agriculture, forestry and fishing							
Net value added	(B.1n-D.29+D.39) Pt	2,573	3,256	3,023	3,159	3,326	3,296
Remuneration of employees	D.1 (Pt)	620	623	625	690	727	671
Other	(B.2 & B.3) Pt	1,953	2,634	2,399	2,469	2,599	2,625
20. Industry (including building)							
Net value added	(B.1n-D.29+D.39) Pt	32,089	37,642	37,378	37,801	39,662	64,109
Remuneration of employees	D.1 (Pt)	14,194	14,024	13,588	14,196	14,919	16,223
Other	(B.2 & B.3) Pt	18,568	23,859	23,304	23,336	24,999	48,405
Adjustment for stock appreciation	(B.2 & B.3) Pt	-672	-241	486	269	-256	-519
20a. Industry							
Net value added	(B.1n-D.29+D.39) Pt	30,054	35,410	34,055	33,544	34,541	58,385
Remuneration of employees	D.1 (Pt)	10,184	10,690	10,521	11,006	11,274	12,133
Other Adjustment for stock appreciation	(B.2 & B.3) Pt (B.2 & B.3) Pt	20,543 -672	24,961 -241	23,048 486	22,269 269	23,523 -256	46,771 -519
	(D.2 & D.3) Pl	-672	-241	400	209	-236	-519
20b. Building and construction							
Net value added	(B.1n-D.29+D.39) Pt	2,035	2,232	3,323	4,257	5,121	5,724
Remuneration of employees Other	D.1 (Pt) (B.2 & B.3) Pt	4,010 -1,975	3,334 -1,101	3,067 256	3,190 1,067	3,645 1,476	4,091 1,634
Other	(D.2 & D.3) 1 t	-1,973	-1,101	200	1,007	1,470	1,034
21. Distribution, transport, software							
and communication							
Net value added	(B.1n-D.29+D.39) Pt	32,302	33,089	34,885	37,866	40,127	40,708
Remuneration of employees	D.1 (Pt)	17,395	17,541	18,160	19,364	19,938	21,290
Other Adjustment for stock appreciation	(B.2 & B.3) Pt (B.2 & B.3) Pt	14,545 362	15,547	16,731	18,232 270	19,685 504	18,883 536
Adjustment for stock appreciation	(D.2 & D.3) Pl	302	1	-6	270	504	536
22. Public administration and defence							
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008
23. Other services (including rent)							
Net value added	(B.1n-D.29+D.39) Pt	54,557	53,538	53,291	53,394	56,965	60,556 34,103
Remuneration of employees Other	D.1 (Pt) (B.2 & B.3) Pt	31,329 23,228	31,586 21,952	31,626 21,665	31,706 21,688	32,765 24,200	26,453
54.6.	(3.2 & 3.0) 1 (20,220	21,002	21,000	21,000	21,200	20, 100
26. Statistical discrepancy (= Item 12)		39	-149	-467	-2,322	-1,913	155
27. Net value added at factor cost	B.1n-D.29+D.39	127,067	133,125	133,726	135,588	143,969	174,831
28. plus Provision for depreciation	P.51c	25,087	25,349	26,994	28,452	30,891	61,558
Agriculture, forestry and fishing		796	759	756	772	828	839
Industry (including building)		6,698	6,535	6,763	6,881	6,863	33,683
Industry Building and construction		6,250 448	6,158 377	6,430 333	6,583 298	6,579 284	33,411 272
Distribution, transport, softw are & communica	t	5,535	5,690	6,332	6,723	6,980	8,137
Public administration and defence		1,295	1,282	1,306	1,323	1,360	1,422
Other services		10,763	11,083	11,837	12,753	14,860	17,476
	D.1. D.00 D.00	450 454	450 474	400 704	404044	474.000	
29. Gross value added at factor cost	B.1g-D.29+D.39	152,154	158,474	160,721	164,041	174,860	236,389
30. Non product taxes	D.29	1,981	2,074	2,245	2,536	2,957	3,023
31. Non product subsidies	D.39	-2,212	-2,335	-2,465	-2,284	-2,191	-2,444
32. Gross value added at basic prices	B.1g	151,924	158,213	160,501	164,293	175,626	236,968
						-	· ·
33. Product taxes 34. Product subsidies	D.21 D.31	16,311 -1,111	15,945 -1,088	16,341 -1,089	16,996 -1.079	18,514 -981	19,758 -911
54. Froduct subsidies	D.31	-1,111	-1,000	-1,000	-1,079	-901	-911
35. Gross domestic product at current market	B.1*g	167,124	173,070	175,754	180,209	193,160	255,815
36. Net factor income from the rest of the world	D.1 & D.4	-28,457	-33,788	-33,551	-28,310	-29,715	-53,173
27 Crees notional made of the control of the contro	(net to abroad)	120.007	420.000	1.42.000	454 000	162 115	202.042
37. Gross national product at current market p		138,667	139,282	142,203	151,899	163,445	202,642
38. EU subsidies	D.3 (Pt)	1,494	1,698	1,632	1,450	1,318	1,571
39. EU taxes	D.2 (Pt)	-229	-240	-242	-247	-275	-327
40. Gross national income at current market p	B.5*g	139,932	140,741	143,593	153,102	164,488	203,886
† Preliminary							

NIE2015 Table 2 (& Table 3) (published July 2016)

Product taxes

=

NIE item 33 (and item 52)

€16,996 million in 2013

Product subsidies

=

NIE item 34 (and item 53)

-

-€1,079 million in 2013

2013 Supply Table – Table 1 (published 2016)

	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	8,569	1,199	1,469	85	-9	11,313
5-9	Mining, quarrying and extraction	1,161	4,644	503	101	=	6,409
10-12	Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59	39,687
13-15	Textiles, wearing apparel and leather products	415	2,794	1,953	574	-	5,736
16	Wood and wood products (excl furniture)	726	336	246	21	-	1,329
17 18	Pulp, paper and paper products Printed matter and recorded media	391 1,050	1,112 206	93 685	133 47	_	1,729 1,988
	Petroleum; furniture; other manufacturing	10,147	6,854	2,954	47 3,737	- -5	23,686
20	Chemicals and chemical products	13,802	6,598	324	212	-5	20,936
21	Basic pharmaceutical products	31,038	6,178	4,030	457	_	41,703
22	Rubber and plastics	1,485	1,728	337	136	=	3,685
23	Other non-metallic mineral products	1,116	506	196	49	=	1,869
24	Basic metals	731	1,380	587	1	-	2,699
25	Fabricated metal products	1,825	1,023	685	114	-	3,647
26	Computer, electronic & optical products	9,297	6,541	333	215	-	16,386
27	Electrical equipment	1,078	1,825	508	158	-	3,568
28	Machinery and equipment n.e.c.	2,410	3,498	823	92	=	6,823
29	Motor vehicles, trailers and semi-trailers	669	2,247	1,521	937	=	5,373
30	Other transport equipment	102	10,098	39	75	-	10,314
33 35	Repair/installation of machinery & equipment	821 6.424	- 84	44 202	15 326	=	880
35 36	Electricity and gas supply	- *	84			-	7,036 581
37-39	Water collection, treatment and supply Sewerage, refuse and remediation services	477 1,482	_	3 16	102 69	_	1,567
41-43	Construction and construction works	10,619	_	10	1,979	_	12,599
45	Wholesale & retail trade/repair of vehicles	2,052	_	-519	23	_	1,556
46	Wholesale trade	23,794	13,327	-13,596	20	_	23,545
47	Retail trade	11,618		-11,324	9	=	303
49	Land transport services	4,025	225	-	25	-79	4,197
50	Water transport services	569	71	-	О	-	641
51	Air transport services	5,502	1,418	-	2	-	6,921
52	Warehousing	2,041	86	-	3	-20	2,110
53	Postal and courier services	1,324	425	=	53	=	1,802
55-56	Accommodation and food & beverage services	6,364	3,357	-	1,186	-	10,907
58-60	Publishing, film and broadcasting services	18,257	216	-	152 313	-	18,625
61	Telecommunications services	3,433 46,900	1,125	-		-	4,871
62-63 64	Computer consultancy; data processing Financial intermediation services	17,457	516 5,259	_	133 97	_	47,548 22,814
65	Insurance, reinsurance and pension funding	12,041	5,519	_	539	_	18,100
66	Other financial activities	4,451	467	_	275	_	5,192
68	Real estate services	17,036	-	_	176	_	17,212
69-70	Legal and accounting services; mgt consultancy	10,531	1,200	=	289	-3	12,018
71	Architectural and engineering services	1,646	161	-	10	-	1,817
72	Scientific research and development services	1,963	6,496	=	О	-	8,458
73	Advertising and market research services	929	4,553	-	59	-	5,541
74-75	Other professional, scientific services	6,019	6,401	-	253	=	12,672
77	Rental and leasing services	19,979	39,408	=	385	=	59,772
78	Employment services	1,225	-	-	15	-	1,240
79 80-82	Travel and tourism service activities	516	-	=	38 37	-	555
80-82	Security, office & business support services Public administration	3,022 10,829	31	_	26	_	3,059 10,886
85	Education services	11,072	31	=	3	-440	10,635
86-88	Human health and social work services	16,256	16	_	6	-463	15,814
90-92	Cultural, arts and gambling activities	1,625	428	_	1	-	2,053
93	Recreation and sports activities	1,173	55	-	36	-	1,264
94	Membership organisation services	1,826	-	-	1	-	1,826
95	Repair of consumer goods	108	-	-	12	-	120
96	Other personal service activities	1,172	25	-	166		1,363
97	Private households with employed persons	142	-	-		-	142
1	Total output by industry (= last row of Table 2)	393,729	157,476	0	16,996	-1,079	567,122
l				cif/fob adj			-162
Tax	ves and subsidies on nr	aduat	157,314 C = E	Imports f.o	o.o. (as per	lion a	566,960 n - £ 1
			- I				na -£ i

This **Product taxes** (€16,996 million) minus Product subsidies (€1,079 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.

2013 Supply Table – Table 1 (published 2016)

	Industries						
		jc	mports c.i.f. (cost, nsurance & freight nclusive)	S	axes on products		Total supply at purchasers' prices (= total use in Table 2)
		mest	c.i.f. e & f)	argin	oud	s on	oply a ers'p ein Ta
		otal domestic	mports c insurance inclusive)	rade margins	ies or	Subsidies on products	otal supply at nurchasers' pri otal use in Tab
_		Tot	lmg inst	Tra	ă	S E	Tot pur tot:
NACE 1-3	Products Agriculture, forestry and fishing	8,569	1,199	1,469	85	-9	11,313
5-9	Mining, quarrying and extraction	1,161	4,644	503	101	-	6,409
10-12	Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59	39,687
13-15 16	Textiles, wearing apparel and leather products Wood and wood products (excl furniture)	415 726	2,794 336	1,953 246	574 21	-	5,736 1,329
17	Pulp, paper and paper products	391	1,112	93	133	-	1,729
18	Printed matter and recorded media	1,050	206	685	47	-	1,988
19,31,32 20	Petroleum; furniture; other manufacturing Chemicals and chemical products	10,147 13,802	6,854 6,598	2,954 324	3,737 212	-5 -	23,686 20,936
21	Basic pharmaceutical products	31,038	6,178	4,030	457	_	41,703
22	Rubber and plastics	1,485	1,728	337	136	-	3,685
23 24	Other non-metallic mineral products	1,116	506	196	49	-	1,869
24 25	Basic metals Fabricated metal products	731 1,825	1,380 1,023	587 685	1 114	-	2,699 3,647
26	Computer, electronic & optical products	9,297	6,541	333	215	-	16,386
27	Electrical equipment	1,078	1,825	508	158	-	3,568
28 29	Machinery and equipment n.e.c.	2,410 669	3,498	823	92 937	-	6,823
29 30	Motor vehicles, trailers and semi-trailers Other transport equipment	102	2,247 10,098	1,521 39	937 75	-	5,373 10,314
33	Repair/installation of machinery & equipment	821	-	44	15	-	880
35	Electricity and gas supply	6,424	84	202	326	-	7,036
36	Water collection, treatment and supply	477	-	3	102	-	581
37-39 41-43	Sewerage, refuse and remediation services Construction and construction works	1,482 10,619	_	16	69 1,979	-	1,567 12,599
45	Wholesale & retail trade/repair of vehicles	2,052	-	-519	23	_	1,556
46	Wholesale trade	23,794	13,327	-13,596	20	-	23,545
47	Retail trade	11,618	-	-11,324	9	-	303
49 50	Land transport services Water transport services	4,025 569	225 71	_	25 0	-79	4,197 641
51	Air transport services	5,502	1,418	-	2	-	6,921
52	Warehousing	2,041	86	=	3	-20	2,110
53	Postal and courier services	1,324	425	-	53	-	1,802
55-56 58-60	Accommodation and food & beverage services Publishing, film and broadcasting services	6,364 18,257	3,357 216	_	1,186 152	-	10,907 18,625
61	Telecommunications services	3,433	1,125	-	313	-	4,871
62-63	Computer consultancy; data processing	46,900	516	-	133	-	47,548
64 65	Financial intermediation services	17,457 12,041	5,259	-	97	=	22,814
66	Insurance, reinsurance and pension funding Other financial activities	4,451	5,519 467	_	539 275	=	18,100 5,192
68	Real estate services	17,036	-	-	176	-	17,212
69-70	Legal and accounting services; mgt consultancy	10,531	1,200	-	289	-3	12,018
71 72	Architectural and engineering services	1,646 1,963	161 6,496	-	10 0	-	1,817 8,458
73	Scientific research and development services Advertising and market research services	929	4,553	_	59	_	5,541
74-75	Other professional, scientific services	6,019	6,401	-	253	-	12,672
77	Rental and leasing services	19,979	39,408	-	385	-	59,772
78 79	Employment services Travel and tourism service activities	1,225 516	-	-	15 38	-	1,240 555
80-82	Security, office & business support services	3,022	=	_	37	-	3,059
84	Public administration	10,829	31	-	26	-	10,886
85	Education services	11,072	-	-	3	-440	10,635
86-88 90-92	Human health and social work services Cultural, arts and gambling activities	16,256 1,625	16 428	=	6 1	-463	15,814 2,053
90-92	Recreation and sports activities	1,625	428 55	-	36	=	2,053 1,264
94	Membership organisation services	1,826	-	-	1	=	1,826
95	Repair of consumer goods	108	-	-	12	-	120
96 97	Other personal service activities Private households with employed persons	1,172 142	25	-	166		1,363 142
<i>31</i>	Total output by industry (= last row of Table 2)	393,729	157,476	0	16,996	-1,079	567,122
	, , , , , , , , , , , , , , , , , , , ,		-162	cif/fob adiu	isiment		-162
Tay	vac and cubcidias on nr	157,314	Imports f.o	.b. (as per 1)	"N to	C 566,960	

We have met these product taxes €16.996 billion and product subsidies figures €1.079 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.

Taxes and subsidies on products (tö ˈgɒ from GVA to GDP)



Contents

Introduction

- 1. Overview of Tables & their structure
- 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 nonmarket 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)+Taxes less subsidies on production=GVA=Output – inter. conspt.
- What is final demand? PCE (FCE+NPISH)+GFCF+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 constant prices?



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 constant prices? Volume changes analysis



Contents

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Tables 3 - 7 Intermediate tables

- These tables, along with the related Input-Output and multiplier tables, are produced every 5 years
- The 2011 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
- Multipliers Coefficient & Leontief tables
- 7. Repetition across the different tables
- 8. Previous year prices real changes





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 = nxn matrix with row totals of S on the diagonal
- X_p = product- by-product Input-Output table





Contents - continued

- 5. Input-Output tables
- Multipliers Coefficient & Leontief tables
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How are the Leontief multipliers calculated?

```
L = (I - A)^{-1} Where:
```

- L = Leontief inverse matrix
- I = Identity matrix
- A = Direct requirements matrix each cell of the l*l 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.



- What do these output multipliers tell us? Upper portion of 2011 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:
 - €1.194 output of domestically produced agriculture, forestry and fishing;
 - €0.008 output of domestically produced mining and quarrying products;
 - €0.021 output of domestically produced food, beverage and tobacco products; etc. Note: These are gross figures





- The lower portion of 2011 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. 66



- 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
- Multipliers Coefficient & Leontief tables
- 7. Repetition across the different tables
- 8. Previous year prices real changes



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 2011 tables (as 2011
 is the latest Input-Output Table).

Supply Table – Table 1

Table 1 2011 Supply Table at basic prices €m



NACE 1-3 product €7.277 billion

Imports of NAC 1-3 product €0.838 billion Total supply of NACE 1-3 product at purchasers' prices is €9.112 billion

So the 2011 domestic supply of NACE 1-3 product at basic prices = €7.277 billion + Imports €0.838 billion = €8.115 billion + trade margins €0.956 billion + net taxes €41 million = Total supply €9.112 billion

Use Table at purchasers' prices – Table 2

Table 2 2011 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	5,888	2,049	-	-	21	26	1,128	3,224	9,112
5-9	Mining, quarrying and extraction	4,199	298	-	20	274	-143	499	948	5,147
10-12	Food & beverages and tobacco products	7,198	10,455	106	1	133	-96	19,257	29,857	37,055

Total use of NACE 1-3 product at purchasers' prices is €9.112 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 2011 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	5,374	1,750	-	-	20	-131	1,102	2,741	8,115
5-9	Mining, quarrying and extraction	3,900	244	-	19	236	-334	496	662	4,562
10-12	Food & beverages and tobacco products	5,700	2,261	85	1	108	-344	18,662	20,773	26,473

Total use of NACE 1-3 product at basic prices is €8.115 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 2011 Use table for domestic inputs at basic prices:

	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	4,731	1,526	-	-	17	-100	1,102	2,546	7,277
5-9	Mining, quarrying and extraction	565	4	-	0	101	-183	496	418	983
10-12	Food & beverages and tobacco products	762	710	9	0	16	-39	18,662	19,358	20,120

Total use of domestic supply of NACE 1-3 product at basic prices is €7.277 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 2011 Use table for imports at basic prices €m

4 ,		1								,
	Industries	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)	Total Final uses	Total uses (= total imports in Table 1)
NACE	Products		1							
1-3	Agriculture, forestry and fishing	643	223	-	-	2	-31	-	195	838
5-9	Mining, quarrying and extraction	3,336	240	-	19	135	-151	-	243	3,579
10-12	Food & beverages and tobacco products	4,938	1,551	76	1	92	-305	-	1,415	6,353

Total use of imports of NACE 1-3 product at basic prices is €0.838 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 2011 Use table for Trade margins €m

	Industries									
		Total inter-industry	Final consumption of h'holds, excl govt transfers	HSIAN	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	505	267	-	-	2	156	26	451	956
5-9	Mining, quarrying and extraction	254	28	-	1	31	191	3	254	508
10-12	Food & beverages and tobacco products	1,368	5,548	21	0	25	248	595	6,438	7,805

Total trade margins of NACE 1-3 product is €0.956 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 2011 Use table for Taxes less subsidies on products €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 (= taxes less subsidies in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	9	32	-	-	-	-	-	32	41
5-9	Mining, quarrying and extraction	44	26	-	-	7	-	-	33	17
10-12	Food & beverages and tobacco products	131	2,646	-	-	-	-	-	2,646	2,777

Total taxes minus subsidies on products of NACE 1-3 product are €41 million – the same figure we had in the Supply table – i.e. taxes on products figure of €74 million minus the subsidies on products figure of €32 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 = €7.277 billion (= total domestic supply in table 1)

Imports = €0.838 billion (= imports in Table 1)

imports in Table 1)
Total inputs at basic prices = €8.115 billion (= total

€8.115 billion (= total domestic supply + imports in table 1) for NACE 1-3 product

e 8 2011 Symmetric Input-Output Table of total prod vs at basic prices €m

		Agriculture, forestη
NACE	Products	
1-3 5-9	Agriculture, forestry and fishing	1,17
10-12	Mining, quarrying and extraction	1 22
13-15	Food & beverages and tobacco products Textiles, wearing apparel and leather products	1,32
16	Wood and wood products (excl furniture)	_
17	Pulp, paper and paper products	2
18	Printed matter and recorded media	
19,31,32		36
20	Chemicals and chemical products	40
21	Basic pharmaceutical products	13
22 23	Rubber and plastics Other non-metallic mineral products	2
24	Basic metals	1
25	Fabricated metal products	3
26	Computer, electronic & optical products	
27	Electrical equipment	
28	Machinery and equipment n.e.c.	
29	Motor vehicles, trailers and semi-trailers	
30 33	Other transport equipment Repair/installation of machinery & equipment	17
35	Electricity and gas supply	1 17
36	Water collection, treatment and supply	1
37-39	Sewerage, refuse and remediation services	
41-43	Construction and construction works	ϵ
45	Motor fuel and vehicle trade and repair	_ 1
46	Wholesale trade	65
47 49	Retail trade Land transport services	1
50	Water transport services	-
51	Air transport services	
52	Warehousing	
53	Postal and courier services	
55-56	Accommodation and food & beverage services	
58-60	Publishing, film and broadcasting services	_
61 62-63	Telecommunications services Computer consultancy; data processing	3
64	Financial intermediation services	
65	Insurance, reinsurance and pension funding	ϵ
66	Other financial activities	
68	Real estate services	
69-70	Legal and accounting services; mgt consultancy	2
71 72	Architectural and engineering services	_
72	Scientific research and development services Advertising and market research services	2
74-75	Other professional, scientific services	10
77	Rental and leasing services	
78	Employment services	
79	Travel and tourism service activities	
80-82	Security, office & business support services	
84 85	Public administration Education services	
86-88	Human health and social work services	
90-92	Cultural and sporting services	
93	Recreation services	
94	Membership organisation services	1
95	Repair of consumer goods	
96	Other services	
97	Private households with employed persons	
	Total intermediate consumption Product taxes less subsidies	5,05
	Total consumption at purchasers' prices	5,18
	Compensation of Employees	58
	Operating surplus, net	2,53
	Consumption of fixed capital	76
	Non-product taxes less subsidies	1,7

Imports (=Imports in Table 1)

Total Input-Output Table – Table 8

Table 8 2011 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	5,374	1,750	-	-	20	-131	1,102	2,741	8,115
5-9	Mining, quarrying and extraction	3,900	244	-	19	236	-334	496	662	4,562
10-12	Food & beverages and tobacco products	5,700	2,261	85	1	108	-344	18,662	20,773	26,473

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

Total inputs = €7.277 billion + €0.838 billion (= €8.115 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 product*product, so Total inputs (column) = total outputs (row) in a symmetric table

Total domestic inputs
= €7.277 billion (=
total domestic
supply in Table 1)

Table 9 2011 Symmetric Input-Output Table of domestic product flows at basic prices €m

product	flows at basic prices €m	
	Products	1-3
		try
		griculture, forestry nd fishing
		ne, f
		Agric and t
NACE	Products	
1-3	Agriculture, forestry and fishing	1,162
5-9 10-12	Mining, quarrying and extraction	42 122
13-15	Food & beverages and tobacco products Textiles, wearing apparel and leather products	122
16	Wood and wood products (excl furniture)	1
17	Pulp, paper and paper products	2
18	Printed matter and recorded media	0 41
20	Petroleum; furniture; other manufacturing Chemicals and chemical products	2
21	Basic pharmaceutical products	5
22	Rubber and plastics	3
23	Other non-metallic mineral products	4
24 25	Basic metals Fabricated metal products	0
26	Computer, electronic & optical products	0
27	Electrical equipment	О
28	Machinery and equipment n.e.c.	0
29 30	Motor vehicles, trailers and semi-trailers Other transport equipment	0
33	Repair/installation of machinery & equipment	175
35	Electricity and gas supply	174
36	Water collection, treatment and supply	5
37-39 41-43	Sewerage, refuse and remediation services Construction and construction works	8 60
45	Motor fuel and vehicle trade and repair	16
46	Wholesale trade	298
47	Retail trade	О
49	Land transport services	11
50 51	Water transport services Air transport services	3 0
52	Warehousing	4
53	Postal and courier services	1
55-56	Accommodation and food & beverage services	2
58-60 61	Publishing, film and broadcasting services Telecommunications services	0 28
62-63	Computer consultancy; data processing	0
64	Financial intermediation services	39
65	Insurance, reinsurance and pension funding	17
66 68	Other financial activities Real estate services	0 4
69-70	Legal and accounting services; mgt consultancy	23
71	Architectural and engineering services	1
72	Scientific research and development services	1
73 74-75	Advertising and market research services	0 105
77	Other professional, scientific services Rental and leasing services	0
78	Employment services	2
79	Travel and tourism service activities	1
80-82 84	Security, office & business support services Public administration	2 1
85 85	Education services	1
86-88	Human health and social work services	1
90-92	Cultural and sporting services	3
93 94	Recreation services	2
94 95	Membership organisation services Repair of consumer goods	12 1
96	Other services	2
97	Private households with employed persons	=
	Total intermediate consumption	2,398
	Imports Product taxes less subsidies	2,653 134
	Total consumption at purchasers' prices	5,185
	Compensation of Employees	586
	Operating surplus, net	2,531
	Consumption of fixed capital Non-product taxes less subsidies	765 -1 700
	Value added	2,092
	Total inputs (=Total domestic supply in Table 1)	7,277

Total Domestic Input-Output Table – Table 9

Table 9 2011 Symmetric Input-Output Table of domestic product flows at basic prices €m

		1								
	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	4,731	1,526	-	-	17	-100	1,102	2,546	7,277
5-9	Mining, quarrying and extraction	565	4	-	0	101	-183	496	418	983
10-12	Food & beverages and tobacco products	762	710	9	0	16	-39	18,662	19,358	20,120

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

Total domestic inputs = €7.277 billion (= total domestic supply in Table 1) for NACE 1-3 product

30

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 = €2.653 billion (= imported inputs in Table 9)

Table 10 2011 Input-Output Table of imported product flows at basic prices €m

nows at i	basic prices €m	
	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3 5-9	Agriculture, forestry and fishing	12 4
10-12	Mining, quarrying and extraction Food & beverages and tobacco products	1,199
13-15	Textiles, wearing apparel and leather products	13
16	Wood and wood products (excl furniture)	2
17	Pulp, paper and paper products	22
18	Printed matter and recorded media	0
19,31,32 20	Petroleum; furniture; other manufacturing Chemicals and chemical products	321 406
21	Basic pharmaceutical products	132
22	Rubber and plastics	23
23	Other non-metallic mineral products	2
24	Basic metals	12
25	Fabricated metal products	11
26	Computer, electronic & optical products	4
27 28	Electrical equipment Machinery and equipment n.e.c.	6 5
29	Motor vehicles, trailers and semi-trailers	6
30	Other transport equipment	8
33	Repair/installation of machinery & equipment	-
35	Electricity and gas supply	-
36	Water collection, treatment and supply	-
37-39 41-43	Sewerage, refuse and remediation services Construction and construction works	-
41-43	Motor fuel and vehicle trade and repair	
46	Wholesale trade	355
47	Retail trade	-
49	Land transport services	О
50	Water transport services	1
51 52	Air transport services	1
52 53	Warehousing Postal and courier services	1
55-56	Accommodation and food & beverage services	1
58-60	Publishing, film and broadcasting services	_
61	Telecommunications services	4
62-63	Computer consultancy; data processing	О
64	Financial intermediation services	15
65 66	Insurance, reinsurance and pension funding Other financial activities	46 0
68	Real estate services	_
69-70	Legal and accounting services; mgt consultancy	1
71	Architectural and engineering services	О
72	Scientific research and development services	25
73	Advertising and market research services	5
74-75 77	Other professional, scientific services Rental and leasing services	1 9
78	Employment services	_
79	Travel and tourism service activities	-
80-82	Security, office & business support services	-
84	Public administration	О
85	Education services	-
86-88	Human health and social work services	-
90-92	Cultural and sporting services	1
93 94	Recreation services Membership organisation services	O -
95	Repair of consumer goods	
96	Other services	/ ·
97	Private households with employed persons	-)
	Total	





Contents - continued

- 5. Input-Output tables
- Multipliers Coefficient & Leontief tables
- 7. Repetition across the different tables
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(A framework for measuring economic growth)



Structure of PYP part of presentation

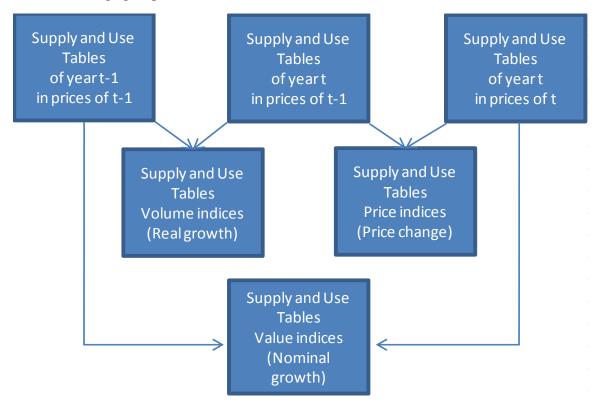
- 1. Background
- 2. Data requirements
- 3. Deflation of products & industries
- 4. Volume changes
- 5. Comparison with relevant NIE
- 6. Future developments

Table 3 2013 50	oly Table at previous year prices €m	Sup	ply	/ Ta	able	in	PY	P	Table 4 2013 Use	Table at previous year prices €m	Ţ	Jse	Ta	ble	in	PY	P
/	Industries	1-3	5-9	10-12	13-15	16	17	18	<u>-</u>	Industries	1-3	5-9	10-12	13-15	16	17	18
rov	Industries columns	Agriculture, jorestry and fishing	Mining, quarrying and extraction	Food & beverages and tobacco products	Textiles, wearing apparel and leather products	oroducts (excl urniture)	Pulp, paperand paper products	Printed matter and recorded media			Agriculture, forestry and fishing	Mining, quarrying and extraction	Food & beverages and tobacco products	Textiles, wearing apparel and leather products	Wood and wood products (excl furniture)	Pulp, paper and paper products	Printed matter and recorded media
NACE	Pr oducts		10			24	ш ш		NACE	Products							
	Agriculture, forestry and fishing Mining, quarrying and extraction	7,898	- 958	16	0	-	-	-	1-3 5-9	Agriculture, forestry and fishing Mining, quarrying and extraction	2,217 67	0 106	4,338 93	1 1	181 2	0 1	0 2
	Foo 1 & beverages and tobacco products	6	8	20,280	5	-	0	-	10-12	Food & beverages and tobacco products	1,720	0	4,918	0	0	1	0
	Textiles, wearing apparel and leather products	-	-	=	372	-	1	0		Textiles, wearing apparel and leather products	18	0	0	128	1	1	4
16 17	Wood and wood products (excl furniture) Pulp, paper and paper products	4	-	=	1	692 8	2 345	0 18		Wood and wood products (excl furniture)	3 12	0 0	24 232	0 6	129 6	1 119	1 32
17	rinted matter and recorded media	_	-	-	-	-	20	1,044		Pulp, paper and paper products Printed matter and recorded media	2	0	6	0	0	3	242
	Petroleum; furniture; other manufacturing	-	13	-	1	1	0		19,31,32	Petroleum; furniture; other manufacturing	398	28	248	5	10	5	7
	Chemicals and chemical products	-	17	1,985	12	1	4	-	20	Chemicals and chemical products	557	11	293	31	40	20	64
	Basic pharmaceutical products Rubber and plastics	-	-	70	- 1	- 4	9	- 0	21 22	Basic pharmaceutical products Rubber and plastics	201 24	0 1	- 351	1	1	3	1
	Other non-metallic mineral products	_	50	-	0	3	-	-	23	Other non-metallic mineral products	11	12	43	0	0	0	2
	Basic metals	-	-	=	2	-	=.	0	24	Basic metals	17	1	119	1	12	1	3
	Fabricated metal products	-	-	-	0	0	0	2		Fabricated metal products	18	6	114	2	9	2	4
	Computer, electronic & optical products Electrical equipment	-	-	-	0	0	-	0	26 27	Computer, electronic & optical products Electrical equipment	9	0	0 36	0	0	0 1	1 0
	Machinery and equipment n.e.c.	-	_	-	-	1	-	0	28	Machinery and equipment n.e.c.	7	10	79	3	10	2	5
29	Motor vehicles, trailers and semi-trailers	-	-	-	-	-	-	-	29	Motor vehicles, trailers and semi-trailers	9	0	1	0	1	0	0
	Other transport equipment	-	-	-	-	-	=	-	30	Other transport equipment	5	7	1	0	1	0	0
	Repair/installation of machinery & equipment Electricity and gas supply	3	11	1	0	-	-	1	33 35	Repair/installation of machinery & equipment Electricity and gas supply	142 244	1 36	21 272	0	1 36	0 5	1 19
	Water collection, treatment and supply	-	-	-	-	-	-	_	36	Water collection, treatment and supply	6	0	15	1	1	0	3
	Sewerage, refuse and remediation services	-	-	-	-	-	-	-	37-39	Sewerage, refuse and remediation services	5	1	20	0	1	1	1
	Construction and construction works	23	-	=	=	-	=	-	41-43	Construction and construction works	65	13	61	3	9	4	7
	Wholesale & retail trade/repair of vehicles Wholesale trade	-	-	- 292	- 14	- 5	0	2	45 46	Wholesale & retail trade/repair of vehicles Wholesale trade	27 100	2 1	11 930	0 8	1 22	0	11 0
	Retail trade	_	-	- 292	-	-	-	-	47	Retail trade	29	1	20	8	11	0	0
	Land transport services	-	-	-	-	-	-	-	49	Land transport services	18	16	125	5	35	7	3
	Water transport services	-	-	-	-	-	-	-	50	Water transport services	3	1	21	0	1	0	0
	Air transport services	-	-	-	-	-	-	-	51 52	Air transport services	1 5	7 0	182 31	3 0	-	4	8 0
	Warehousing Postal and courier services	_	-	-	-	-	-	-	53	Warehousing Postal and courier services	4	2	5	1	1	1	2
	Accommodation and food & beverage services	12	_	-	-	-	-	-	55-56	Accommodation and food & beverage services	4	2	52	4	4	2	5
	Publishing, film and broadcasting services	-	-	7	-	-	0	24		Publishing, film and broadcasting services	2	6	133	6	6	9	50
	Telecommunications services	-	-	-	-	-	-	-	61	Telecommunications services	42 2	3	97 0	2 0	3	1 0	3
	Computer consultancy; data processing Financial intermediation services	-	-	16	-	-	-	24	62-63 64	Computer consultancy; data processing Financial intermediation services	65	0 5	161	8	9	13	0 11
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	_	65	Insurance, reinsurance and pension funding	52	4	114	6	6	3	8
66	Other financial activities	-	-	-	=	-	-	-	66	Other financial activities	0	2	41	2	2	1	3
	Real estate services	-	-	44	=	-	-	-	68	Real estate services	5	0	8	1	1	0	1
	Legal and accounting services; mgt consultancy Architectural and engineering services	-	-	-	-	-	-	-	69-70 71	Legal and accounting services; mgt consultancy Architectural and engineering services	15 2	3 1	405 17	3 2	3	3 1	3 2
	Scientific research and development services	-	-	66	-	-	-	22		Scientific research and development services	16	0	20	0	1	0	63
73	Advertising and market research services	-	-	32	-	-	-	-	73	Advertising and market research services	5	7	1,370	3	3	6	106
	Other professional, scientific services	-	=	146	=	-	57	6	74-75	Other professional, scientific services	71	0	6	0	0	0	1
	Rental and leasing services Employment services		-	383	-	3	-	-	77 78	Rental and leasing services Employment services	17 3	14 0	245 41	1	3	1 2	34 6
	Travel and tourism service activities	-	-	-	-	-	-	-	78 79	Travel and tourism service activities	2	0	7	1	1	0	1
80-82	Security, office & business support services	-	-	-	-	-	-	-	80-82	Security, office & business support services	3	1	23	1	1	1	2
	Public administration	-	-	-	-	-	=.	-	84	Public administration	2	-	=	-	-	=	-
	Education services	-	-	-	-	-	-	0	85 86-88	Education services Human health and social work services	1	-	-	-	-	-	-
	Human health and social work services Cultural, arts and gambling activities	1	-	-	-	-	-	-	90-92	Cultural, arts and gambling activities	1	0	9	0	1	0	1
	Recreation and sports activities	4	-	-	-	-	-	-	93	Recreation and sports activities	2	0	9	0	0	0	1
	Membership organisation services		-	-	-	-	-	-	94	Membership organisation services	14	0	11	1	1	0	1
	Repair of consumer goods	-	-	-	-	-	-	-	95	Repair of consumer goods	0	0	2	0	0	0	0
	Other personal service activities Private households with employed persons	_) [-	1	-	-	-	96 97	Other personal service activities Private households with employed persons		- -	5	0 -	-	-	1
	Total output by industry	7,953	1,064	23,338	409	718	440	1,144		Total intermediate consumption	6,284	317	15,386	259	569	227	727
									-	Gross value added in previous year prices	1,668	747	7,952	150	149	213	417
	Output	hy in	dust	rv i	n PVP					Total output by industry (= last row of Table 3)		1,064	23,338	409	718	440	1,144
	Output	∼y III	uust	. y !!			Int	ter	me	diate consumptior	า anc	I GV	Αby	/ Ind	ustr	v in	PYP
										3.13.13 33.13 G. 1.10 G. 1.10 P. 11 G. 1			· · ·~)			,	



1. Background

Link between Supply & Use Tables at current & constant prices





Nominal growth

Year: 2014

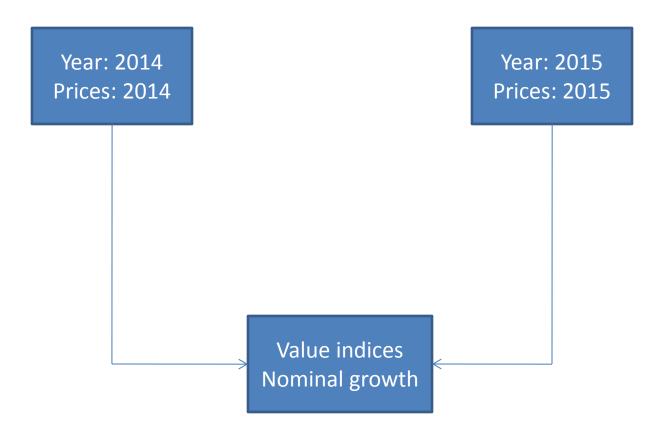
Prices: 2014

Year: 2015

Prices: 2015



Nominal growth



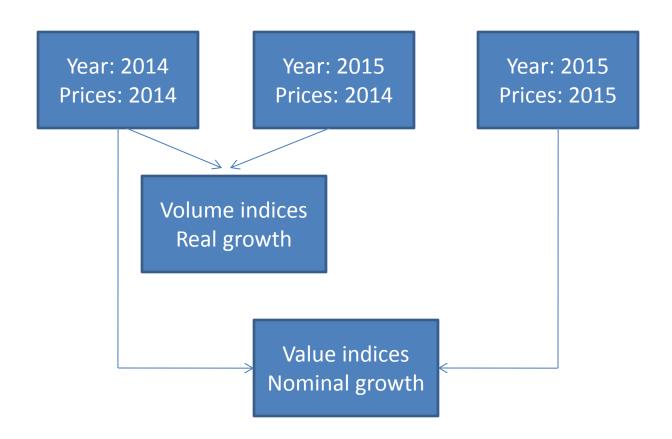


Real growth and Price growth



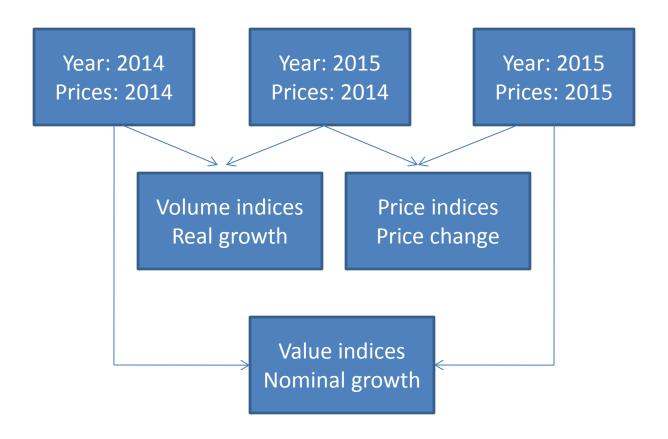


Real growth and Price growth





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 & 2013 (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
 - 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

- 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 a fairly straightforward example of the deflation of a row or product, NACE Rev. 2 23 (Other non-metallic mineral products) in 2013.

Industries

1-3

5-9

10-12

		Agriculture, forestry and fishing	Mining, quarrying and extraction	Food & beverages and tobacco products	Textiles, wearing apparel and leather products	Wood and wood products (excl furniture)	Pulp, paper and paper products	Printed matter and recorded media	Petroleum; furniture; other manufacturing	Chemicals and chemical products	Basic pharmaceutical products	Rubber and plastics
NACE	Products				1 (0 22							
1-3	Agriculture, forestry and fishing	8,552	-	17	0	_	-	-	-	_	-	-
5-9	Mining, quarrying and extraction	-	964	-	_	_	-	-	0	76	_	-
10-12	Food & beverages and tobacco products	6	8	20,668	5	_	0	-	-	11	-	-
13-15	Textiles, wearing apparel and leather products	-	-	-	373	-	1	0	31	-	-	10
16	Wood and wood products (excl furniture)	5	-	-	_	703	2	0	7	-	-	2
17	Pulp, paper and paper products	-	-	-	1	8	339	18	20	0	-	6
18	Printed matter and recorded media	-	-	-	-	-	20	1,011	3	1	-	13
19,31,32	Petroleum; furniture; other manufacturing	-	12	-	1	1	0	-	10,106	1	7	2
20	Chemicals and chemical products	-	17	1,939	12	1	4	-	346	6,160	5,229	11
21	Basic pharmaceutical products			69				<u>-</u>	646	4,907	25,417	-
22	Rubber and plastics	-	-	-	1	4	9	0	170	6	-	1,215
23	Other non-metallic mineral products	-	51	-	0	3	-	-	0	4	-	5
24	Basic metals	-	-	-	2	-	-	0	_			3
25	Fabricated metal products	-	-	-	0	0	0	2	165	0	-	12
26	Computer, electronic & optical products	-	-	-	-	-	-	-	38	-	8	1
Table 2013 9	1 Supply Table at basic prices €m											
		Ind	ustries	1								
					cost,	eight			ucts		المور (ــ	ole 2)

13-15

16

17

18 19,31,32

20

21

Pulp, paper and paper products

Printed matter and recorded media 19,31,32 Petroleum; furniture; other manufacturing

Other non-metallic mineral products

Computer, electronic & optical products

Chemicals and chemical products

Basic pharmaceutical products

Fabricated metal products

Pubber and prastics

17

18

20

21

22

23

24

25

26

18	Printed matter and recorded media	-	-	-	-	-	20	1,011	3	1	-	13	
19,31,32	Petroleum; furniture; other manufacturing	-	12	-	1	1	0	-	10,106	1	7	2	
20	Chemicals and chemical products	-	l7 1,	939	12	1	4	-	346	6,160	5,229	11	
21	Basic pharmaceutical products			69				-	646	4,907	25,417	-	
22	Rubber and plastics	-	-	-	1	4	9	0	170	6		1,215	
23	Other non-metallic mineral products		51	-	0	3	-	-	0	4	-	5	
24	Basicinietals	-	-	-	2	-	-	0	_			3	
25	Fabricated metal products	-	-	-	0	0	0	2	165	0	-	12	
26	Computer, electronic & optical products	-	-	-	-	-	-	-	38	-	8	1	
2013 S	upply Table at basic prices €m	Industri	es	estic	i.f. (cost, & freight		gins		products	uo	ıly at s' prices (=	use in Table 2)	Deflet
				Total domestic	Imports c.i.f. (cost, insurance & freight	inclusive)	Trade margins		Taxes on products	Subsidies on products	Total supply at purchasers' pri	total use i	Deflat Supply
NAC	E Products												
1-3	Agriculture, forestry and fishin			8,569	1,19		1,469		85	-9	11,3		table
5-9	Mining, quarrying and extraction			1,161	4,64		503		101	-	6,4		
10-12		•		20,998	7,84		7,890	-	018	-59	39,6		rows
13-15	, , ,	-	cts	415	2,79		1,953	5	574	-	5,7		
16	Wood and wood products (exc	i turniture)		726	33	36	246		21	-	1,3	29	

391

1,050

10,147

13,802

31,038

1,485

1,116

1,825

9,297

731

1,112

6,854

6,598

6,178

1,728

1,380

1,023

6,541

506

206

93

685

324

337

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3,737

47

eflating upply able

96

1,729

1,988

23,686

20,936 41,703

3.685

3,647

16,386

1,869 2,699

-5

22



2013 Deflation of NACE 23 product - Supply Table

	2013 Current price (€m)	Deflator & source	2013 PYP (€m)
Domestic supply	1,116	1.009 (WPI Table 2 PPI for NACE 23)	1,106
Imports	506	1.044 (Laspeyres 2-digit NACE 23 Import deflator based on Trade data)	485
Trade margins	196	1.000 (Double round of deflations undertaken - initially to deflate the margin itself and secondly to deflate the underlying products on which this margin was based. Margins were deflated using data from the Annual Services Inquiry (ASI). The deflator was taken to be the product of the ratios (gross margin as a % of purchases in year t divided by gross margin as a % of purchases in year t-1)*(price in year t/price in year t-1). Secondary product deflation using CPI and WPI data.)	196
Taxes on products	49	0.995 (Product taxes split into 4: VAT; Customs on imports; Excise on imports; Other product taxes. Each element deflated separately.)	50
Subsidies on products	-	No product subsidies for NACE 23	-
Total Supply	1,869	Overall implied Supply table NACE23 deflator = 1.017	1,837

23

24

26

Basic metals

Other non-metallic mineral products

Computer, electronic & optical products

Fabricated metal products

Table 2											
2013 Use	Table at purchasers' prices €m										
ĺ	Industries	1-3	5-9	9 10-12	13-15	16	17	18	19,31,32	20	21
		<u>></u>			Į.			- 5			
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Food & beverages and tobacco products	Textiles, wearing apparel and leather products	þ	79 (6	Printed matter and recorded media	_	Chemicals and chemical products	_
		for	rī on	era	arir lea	νς γς	an Icts	ter	the	nd Sd.	<u>:</u> :
		ng,	qua) eV	we	o (e)	ser odt	nat	m; ;; o;	ls a pro	ent,
		ult. ishi	Xtr	& k obs acts	es, rel a acts	dar Jots Jure	pal.	ed r	leu :ure Ifac	ica ical	nac
		Agriculture, and fishing	Mining, quarry and extraction	Food & beve and tobacco products	Textiles, wearing apparel and leath products	Wood and wood products (excl furniture)	Pulp, paper and paper products	Printed matter a recorded media	Petroleum; furniture; other manufacturing	Chemicals and chemical produ	Basic pharmaceutical products
		Ag	a ∑	an pr	ap pr	y g j	Pu	Pr	T T	5 5	Ba ph pr
NACE	Products										
1-3	Agriculture, forestry and fishing	2,351	0	4,619	1	183	0	0	1	22	16
5-9	Mining, quarrying and extraction	68	105	89	1	1	1	2	2,238	79	63
LO-12	Food & beverages and tobacco products	1,769	0	5,056	0	0	1	0	0	145	109
13-15	Textiles, wearing apparel and leather products	19	0	0	130	1	1	4	55	13	10
16	Wood and wood products (excl furniture)	3	0	24	0	133	1	1	339	4	3
17	Pulp, paper and paper products	12	0	229	6	6	117	31	67	39	9
18	Printed matter and recorded media	2	0	6	0	0	3	238	3	29	22
9,31,32	Petroleum; furniture; other manufacturing	386	28		5	11	5	7	796	109	54
20	Chemicals and chemical products	554	11		31	40	20	64	57	3,565	131
	Basic pharmaceutical products	192	0			.5		-	-	-,555	4,297
22	Rupper and plastics	24	1	355	1	1	3	1	83	58	188
	Other non-metallic mineral products	12	12		0	0	0	2	201	17	13
	Basic metals	17	1		1	12	1	2	287	49	37
	Fabricated metal products	18	6		2	10	2	4	257 258	75	57
	•	9	0		0	10	0	1	204	75 15	11
able 2	Computer, electronic & optical products	9	U	U	U	1	U	1	204	15	11
013 Use	e Table at purchasers' prices €m										
	Indust	ries									
	muast		>	¥		_			a)		•
			ustr tion	l go		tion	oital		(free	"	Ξ
			ind m	• ехс		ump ers	d cap	S	.b.	nse	\ldd
			nter. 	olds, ers		onsı ansf	fixec	e in orie	is f.c	ii.	uses al su 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)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products		요 분	of tr,	ž	ਲੂ ਵਿ	P P	ბ .≦	표 등	으	Ta = Ta
NACE 1-3	Agriculture, forestry and fishing	7	,307	2,135	_	_	-19	107	1,784	4,006	11,313
5-9	Mining, quarrying and extraction		,915	345	-	22	213	392	520	1,494	6,409
10-12	Food & beverages and tobacco products			10,430	111	1	53	311	20,119	31,026	39,687
13-15	Textiles, wearing apparel and leather produ	ucts	955	3,798	=	=	43	549	391	4,781	5,736
16	Wood and wood products (excl furniture)		953	101	=	=	10	-139	404	376	1,329
17 18	Pulp, paper and paper products		,119 ,026	347 280	_	-	3 30	7 152	252 500	609 963	1,729 1,988
9,31,32	Printed matter and recorded media 32 Petroleum; furniture; other manufacturing		,026	6,230	=	22	908	61	8,379	15,600	23,686
20	Chemicals and chemical products		,111	1,093	=	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5	,070	1,500		1,931	1,740	412	31,031	36,625	41,703
22	Rubber and plastics		,158	507	-	-	17	-15	1,019	1,527	3,685
22	Other nen metallic mineral products	1 1	462 I	212			0	115	221	407	1 960

1,462

1,968

1,781

4,373

212

285

575

Deflating Jse table rows

407

731

1,866

12,012

331

1,374

9,281

9

146

1,790

-145

60

366

1.860

2,699

3,647

16,386

98



Exploratory Supply & Use Tables at previous year prices 2013 Deflation of NACE 23 product - Use Table

	2013 Current price (€m)	Deflator & source	2013 PYP (€m)
Inter-industry use	1,462	1.017 (Weighted average of WPI PPI for 'Home sales' for NACE 23 (1.007) and Import unit value for NACE 23 (1.044))	1,437
PCE	212	0.980 (Weighted average of relevant CPI sub- indices)	216
NPISH	-	No NPISH for NACE 23	-
Government expenditure	-	No Government consumption expenditure for NACE 23	-
GFCF	9	0.998 (Weighted average of NACE 23 relevant deflators used in Capform GFCF estimates)	9
Inventories	-145	0.994 (Weighted average of NACE 23 relevant deflators used in Capform Inventories estimates)	-146
Exports	331	1.020 (WPI PPI for 'Export sales' for NACE 23)	325
Total Use	1,869	Overall implied Use table NACE 23 deflator = 1.015	1,841

2013 Supply Table at basic prices €m 5-9 10-12 13-15 17 18 19,31,32 22 rniture; other anufacturing NACE Products 17 1-3 Agriculture, forestry and fishing 8,552 Mining, quarrying and extraction 119 10-12 Food & beverages and tobacco products 20,668 13-15 373 10 Textiles, wearing apparel and leather products Wood and wood products (excl furniture) Λ 703 17 Pulp, paper and paper products Printed matter and recorded media 1.011 Petroleum: furniture: other manufacturing 10,106 1,939 346 6,160 5,229 67 Chemicals and chemical products 646 4,907 25,417 21 Basic pharmaceutical products 1,215 22 Rubber and plastics 170 18 1.050 23 Other non-metallic mineral products 0 89 24 Rasic metals Ω 26 1,540 25 Fabricated metal products 165 14 Computer, electronic & optical products 2 9,035 25 Electrical equipment 266 Machinery and equipment n.e.c. Motor vehicles, trailers and semi-trailers 30 Other transport equipment Repair/installation of machinery & equipment 35 Electricity and gas supply 36 Water collection, treatment and supply Sewerage, refuse and remediation services Construction and construction works Wholesale & retail trade/repair of vehicles 46 Wholesale trade 447 19 47 Retail trade 49 Land transport services Water transport services 51 Air transport services 52 Warehousing Postal and courier services Accommodation and food & beverage services Publishing, film and broadcasting services Telecommunications services 62-63 Computer consultancy; data processing Financial intermediation services Insurance, reinsurance and pension funding Other financial activities 68 Real estate services Legal and accounting services; mgt consultancy Architectural and engineering services Scientific research and development services 73 Advertising and market research services 43 101 74-75 Other professional, scientific services 263 312 77 Rental and leasing services 651 Employment services 79 Travel and tourism service activities 80-82 Security, office & business support services Public administration Education services Human health and social work services Cultural, arts and gambling activities Recreation and sports activities Membership organisation services Repair of consumer goods Other personal service activities Private households with employed persons Total output by industry (= last row of Table 2) 1,069 23,693 410 729 434 1,112 13,405 11,344 32,076 1,828

Deflating Supply table columns

The mplication of

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

	Industries	1-3	5-9	10-12	13-15	16	17	18	19,31,32	20	21	22	23	24	45	26	
NACE	Products	Agriculture, forestry and fishing		Food & beverages and tobacco products	aring leather	Wood and wood products (excl furniture)	Pulp, paper and paper products	ter and edia	Petroleum; furniture; other manufacturing	icals and ical products	Basic pharmaceutical products	Rubber and plastics	Other non-metame mineral products		Fabricated metal products	Computer, electronic & optical products	
1-3	Agriculture, forestry and fishing	2,351	0	4,619	1	183	0	0	1	22	16	0	О		0	0	
	Mining, quarrying and extraction	68	105	89	1	1	1	2	2,238	79	63	3	209	166	6	31	▼
	Food & beverages and tobacco products Textiles, wearing apparel and leather products	1,769 19	0	5,056 0	0 130	0 1	1 1	0 4	0 55	145 13	109 10	3 1	0 1	- 0	0	6 10	Defletion Has
16	Wood and wood products (excl furniture)	3	0	24	0	133	1	1	339	4	3	14	3	0	6	1	Deflating Use
	Pulp, paper and paper products Printed matter and recorded media	12 2	0	229 6	6 0	6 0	117 3	31 238	67 3	39 29	9 22	9 0	13 0	1 0	10 1	26 5	
	Petroleum; furniture; other manufacturing	386	28	257	5	11	5	238 7	796	109	54	66	66	61	88	206	table columns
20	Chemicals and chemical products	554	11	291	31	40	20	64	57	3,565	131	127	26	40	28	436	
21 22	Basic pharmaceutical products Rubber and plastics	182 24	0 1	355	1	1	3	- 1	83	- 58	4,297 188	10 253	- 3	0	1 10	105	
23	Other non-metallic mineral products	12	12	44	0	0	0	2	201	17	13	14	250	0	15	3	 Similarly,
24	Basic metals	17	1 6	116 117	1 2	12 10	1 2	3	287 258	49 75	37 57	73 62	42 12	47 7	458 198	133 128	Jiiiiiai iy,
	Fabricated metal products Computer, electronic & optical products	18 9	0	117	0	10 1	0	1	258 204	75 15	11	1	0	0	198	128 2,962	
27	Electrical equipment	7	0	38	0	0	1	0	33	22	17	1	1	0	4	169	each of the
28 29	Machinery and equipment n.e.c. Motor vehicles, trailers and semi-trailers	8 9	11 0	82 1	3 0	10 1	2 0	6 0	78 204	84 2	64 2	22 0	16 0	8 0	104 0	710 71	each of the
	Other transport equipment	5	7	1	0	1	0	0	199	2	2	0	0	0	Ō	1	
	Repair/installation of machinery & equipment	140	1 37	20 279	0 9	1	0 5	1 19	48	7 165	5	12 34	2 35	1 17	13 43	26	inputs of
	Electricity and gas supply Water collection, treatment and supply	251 6	37 0	279 15	1	36 1	0	19 3	115 9	165 5	65 5	34 1	35 1	17 2	43 2	35 10	iliputs Oi
37-39	Sewerage, refuse and remediation services	5	1	20	0	1	1	1	12	5	3	12	1	30	3	3	•
41-43 45	Construction and construction works Wholesale & retail trade/repair of vehicles	67 26	13 2	63 11	3 0	10 1	4 0	7 10	121 15	28 8	11 5	3 1	11 2	8 1	10 5	46 17	OVORV
	Wholesale trade	99	1	928	8	22	0	0	5	366	121	0	0	0	0	1,270	every
	Retail trade	28	1	19	8	11	0	0	4	55	37	0	0	0	0	0	-
49 50	Land transport services Water transport services	19 3	16 1	131 22	5 0	36 1	7 0	3	26 2	3 1	1 0	18 1	45 3	0	14 1	49 10	individual
51	Air transport services	1	8	191	3	-	4	8	45	33	26	18	31	5	11	46	iiiuiviuual
52 53	Warehousing Postal and courier services	4	0 2	30 5	0 1	0	0	0	2 4	3	1 1	2 1	2 1	0	1 3	26 1	
55-56	Accommodation and food & beverage services	4	2	53	4	4	2	5	28	12	12	6	4	1	9	13	inductor
58-60	Publishing, film and broadcasting services	2	6	135	6	6	9	51	57	64	192	13	10	2	38	37	industry
61 62-63	Telecommunications services Computer consultancy; data processing	41 2	2 0	93 0	2 0	2 0	1 0	3 0	40 0	12 2	19 2	5 0	4 0	1 0	6 0	12 10	•
64	Financial intermediation services	67	5	165	8	9	13	12	76	42	71	19	14	3	30	85	coctor
65 66	Insurance, reinsurance and pension funding Other financial activities	51 0	4 2	113 41	6 2	6 2	3	8	98 36	19 10	12 20	13 5	9 3	2	14 5	29 11	sector
68	Real estate services	5	0	8	1	1	0	1	12	4	5	2	1	0	2	4	
69-70	Legal and accounting services; mgt consultancy	15	3	403	3	3	3	3	46	73	159	6	4	1	9	22	\\\O\KO
	Architectural and engineering services Scientific research and development services	2 16	1 0	16 20	2 0	2 1	1 0	2 64	14 172	8 658	10 1,868	4 4	3 2	0 1	4	8 128	were
73	Advertising and market research services	5	7	1,377	3	3	6	107	138	68	730	7	5	1	15	1	
	Other professional, scientific services	74 17	0	6	0 1	0 3	0 1	1	6 2.759	1 074	11 522	1 5	1 21	0 2	1	1 225	
77 78	Rental and leasing services Employment services	3	13 0	243 41	0	0	2	34 6	2,758 42	1,974 6	11,523 9	5 4	0	1	18 1	1,235 18	deflated
79	Travel and tourism service activities	2	0	8	1	1	0	1	6	2	2	2	1	0	2	2	
	Security, office & business support services Public administration	3	1	24	1	1	1	2	21	6	8 -	3 -	2	0	3	6	
	Education services	1	-	=	=	-	-	-	-	-	-	-	-	-	-	=	separately
86-88	Human health and social work services	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Cultural, arts and gambling activities Recreation and sports activities	2	0 0	10 9	0	0	0 0	1	8	2	3 3	1 1	1 1	0	1	3 2	
94	Membership organisation services	15	0	11	1	1	0	1	10	3	4	1	1	o	1	3	
	Repair of consumer goods Other personal service activities	0 5	0	2 5	0 0	0 0	0 0	0 1	1 8	0 2	1 3	0 1	0 1	0 0	0 1	0 2	
	Private households with employed persons					-			-				-	<u> </u>			
	Total intermediate consumption	6,445	320	15,844	262	579	227	726	9,099	7,983	20,042	865	864	413	1,197	8,176	
	Compensation of Employees Operating surplus, net	690 2,389	294 26	1,900 5,357	78 28	97 9	157 32	249 81	1,741 2,107	562 2,497	1,449 8,185	279 81	368 12	199 21	391 165	1,042 1,164	
	Consumption of fixed capital	772	412	492	27	43	15	50	443	293	2,340	70	134	30	62	748	101
	Net taxes (taxes less subsidies) on production Gross value added at basic prices	-1,688 2,163	18 750	7,849	15 148	2 150	3 207	7 386	16 4,307	9 3,361	60 12,034	15 446	14 526	5 255	14 631	2,996	
	Output at basic prices (= last row of Table 1)	8,608	1,069	23,693	410	729	434	1,112	13,405	11,344	32,076	1,311	1,300	668	1,828	11,172	



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
 Deflated GVA = Deflated Output (from Supply table) minus
 deflated intermediate consumption (from Use table) allows
 for volume changes for each industry
- More comprehensive than projecting forward 'value addeds' (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



Comparisons with volume changes in the NIE

- We compared the 2012 PYP S&UT published in 2015 with NIE14 published in 2015 and the 2013 PYP S&UT published in 2016 with NIE15 published in 2016 for the following:
 - GVA (Output method)
 - GDP (Expenditure method)
 - PCE
 - Government consumption expenditure

- Gross Fixed Capital Formation
- Imports
- Exports
- Taxes on products
- Subsidies on products



Comparison of percentage volume changes for 2011 to 2012 based on the Supply and Use tables and the estimates already published in NIE14

	2011 to 2012 % Volume changes						
Aggregate	Estimate based on Unbalanced Supply and Use table in PYP	Estimate based on Balanced ¹ Supply and Use table in PYP	Estimate as published in NIE14 ²				
Gross Domestic Product at market prices (Expenditure method)	0.4	0.2	0.2				
Gross Value Added at basic prices (Output method)	0.5	0.2	0.3				
Personal consumption expenditure	-1.4	-1.6	-1.0				
Government consumption expenditure	0.1	-0.1	-1.2				
Gross fixed capital formation	9.1	8.9	8.8				
Exports of goods and services	3.5	3.4	2.1				
Taxes on products	-0	.2	-1.4				
Subsidies on products	-1	0.9					
Imports of goods and services	4.	2.9					

¹ Balanced use to supply by product – i.e. total use matched to total supply for each 2-digit NACE code.

² Estimates calculated using figures published in NIE 2014 Tables 5 and 6.



Comparison of percentage volume changes for 2012 to 2013 based on the Supply and Use tables and the estimates already published in NIE15

	2012 to 2013 % Volume changes						
Aggregate	Estimate based on Unbalanced Supply and Use table in PYP	Estimate based on Balanced ¹ Supply and Use table in PYP	Estimate as published in NIE15 ²				
Gross Domestic Product at market prices (Expenditure method)	1.1	1.1	1.1				
Gross Value Added at basic prices (Output method)	0.9	0.9	0.8				
Personal consumption expenditure	-0.6	-0.6	-0.3				
Government consumption expenditure	-2.1	-2.0	-1.3				
Gross fixed capital formation	-5.6	-5.7	-5.5				
Exports of goods and services	1.9	2.0	3.1				
Taxes on products	3.	.8	3.7				
Subsidies on products	-2	-0.6					
Imports of goods and services	0.	1.1					

¹ Balanced use to supply by product – i.e. total use matched to total supply for each 2-digit NACE code.

² Estimates calculated using figures published in NIE 2015 Tables 5 and 6.





Comparisons with relevant NIE continued

- While the overall figures and 'headline' numbers are reasonably consistent with the relevant NIE, at a sectoral level there can be differences at a detailed level with the NIE
- Largely, though not entirely, due to Double deflation (and royalties...)
- Further details available in the PYP publications, particularly the first set of exploratory tables for 2006 & 2007:

http://www.cso.ie/en/media/csoie/releasespublications/documents/economy/2007/esut0607.pdf



Future developments in PYP S&U tables?

- Constant S&U tables simultaneously with current S&U tables? Done for the first time for 2012 tables (Dec 15)
- 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?
- Publish within the n+3 year? Done for the first time for current tables in 2014, for constant tables in 2015
- Incorporation of S&U (current & PYP) into revised NatAcc system?
- Implications (including resources) for NatAcc system?