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# Supply & Use Tables & Input-Output Tables

## *User guide*

Providing details of what lies behind the national accounts main aggregates



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Central Statistics Office

## *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

### Introduction

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



## Contents

### Introduction

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



## Introduction

- Why?
  - Legal obligations under European System of Accounts (ESA)2010
- What?
  - ESA tables 1500 & 1600 (Supply & Use – both annual)
  - ESA tables 1610, 1611, 1612, 1620, 1630 (intermediate tables every five years for reference years ending in 0 or 5)
  - ESA tables 1700, 1800 & 1900 (Input-Output – every five years for reference years ending in 0 or 5)
  - 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)



## Contents

### Introduction

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



# 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)
  - 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 & Use tables
- Intermediate tables
- Input-Output tables
- Leontief tables



Table 1  
2013 Supply Table at basic prices €m

	Industries	1-3	5-9	10-12	13-15	16	17	18
		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	Products							
1-3	Agriculture, forestry and fishing	8,552	-	17	0	-	-	-
5-9	Mining, quarrying and extraction	-	964	-	-	-	-	-
10-12	Food & beverages and tobacco products	6	8	20,668	5	-	0	-
13-15	Textiles, wearing apparel and leather products	-	-	-	373	-	1	0
16	Wood and wood products (excl furniture)	5	-	-	-	703	2	0
17	Pulp, paper and paper products	-	-	-	1	8	339	18
18	Printed matter and recorded media	-	-	-	-	-	20	1,011
19,31,32	Petroleum; furniture; other manufacturing	-	12	-	1	1	0	-
20	Chemicals and chemical products	-	17	1,939	12	1	4	-
21	Basic pharmaceutical products	-	-	69	-	-	-	-
22	Rubber and plastics	-	-	-	1	4	9	0
23	Other non-metallic mineral products	-	51	-	0	3	-	-
24	Basic metals	-	-	-	2	-	-	0
25	Fabricated metal products	-	-	-	0	0	0	2
26	Computer, electronic & optical products	-	-	-	-	-	-	-
27	Electrical equipment	-	-	-	0	0	-	0
28	Machinery and equipment n.e.c.	-	-	-	-	1	-	0
29	Motor vehicles, trailers and semi-trailers	-	-	-	-	-	-	-
30	Other transport equipment	-	-	-	-	-	-	-
33	Repair/installation of machinery & equipment	-	-	1	0	-	-	1
35	Electricity and gas supply	4	11	-	-	-	-	-
36	Water collection, treatment and supply	-	-	-	-	-	-	-
37-39	Sewerage, refuse and remediation services	-	-	-	-	-	-	-
41-43	Construction and construction works	24	-	-	-	-	-	-
45	Wholesale & retail trade/repair of vehicles	-	-	-	-	-	-	-
46	Wholesale trade	-	7	292	14	5	0	2
47	Retail trade	-	-	-	-	-	-	-
49	Land transport services	-	-	-	-	-	-	-
50	Water transport services	-	-	-	-	-	-	-
51	Air transport services	-	-	-	-	-	-	-
52	Warehousing	-	-	-	-	-	-	-
53	Postal and courier services	-	-	-	-	-	-	-
55-56	Accommodation and food & beverage services	12	-	-	-	-	-	-
58-60	Publishing, film and broadcasting services	-	-	7	-	-	0	24
61	Telecommunications services	-	-	-	-	-	-	-
62-63	Computer consultancy; data processing	-	-	16	-	-	-	24
64	Financial intermediation services	-	-	-	-	-	-	-
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	-
66	Other financial activities	-	-	-	-	-	-	-
68	Real estate services	-	-	47	-	-	-	-
69-70	Legal and accounting services; mgt consultancy	-	-	-	-	-	-	-
71	Architectural and engineering services	-	-	-	-	-	-	-
72	Scientific research and development services	-	-	70	-	-	-	23
73	Advertising and market research services	-	-	32	-	-	-	-
74-75	Other professional, scientific services	-	-	148	-	-	58	6
77	Rental and leasing services	-	-	388	-	3	-	-
78	Employment services	-	-	-	-	-	-	-
79	Travel and tourism service activities	-	-	-	-	-	-	-
80-82	Security, office & business support services	-	-	-	-	-	-	-
84	Public administration	-	-	-	-	-	-	-
85	Education services	-	-	-	-	-	-	0
86-88	Human health and social work services	-	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	2	-	-	-	-	-	-
93	Recreation and sports activities	4	-	-	-	-	-	-
94	Membership organisation services	-	-	-	-	-	-	-
95	Repair of consumer goods	-	-	-	-	-	-	-
96	Other personal service activities	-	-	-	1	-	-	-
97	Private households with employed persons	-	-	-	-	-	-	-
	Total output by industry (= last row of Table 2)	8,608	1,069	23,693	410	729	434	1,112

Output by industry

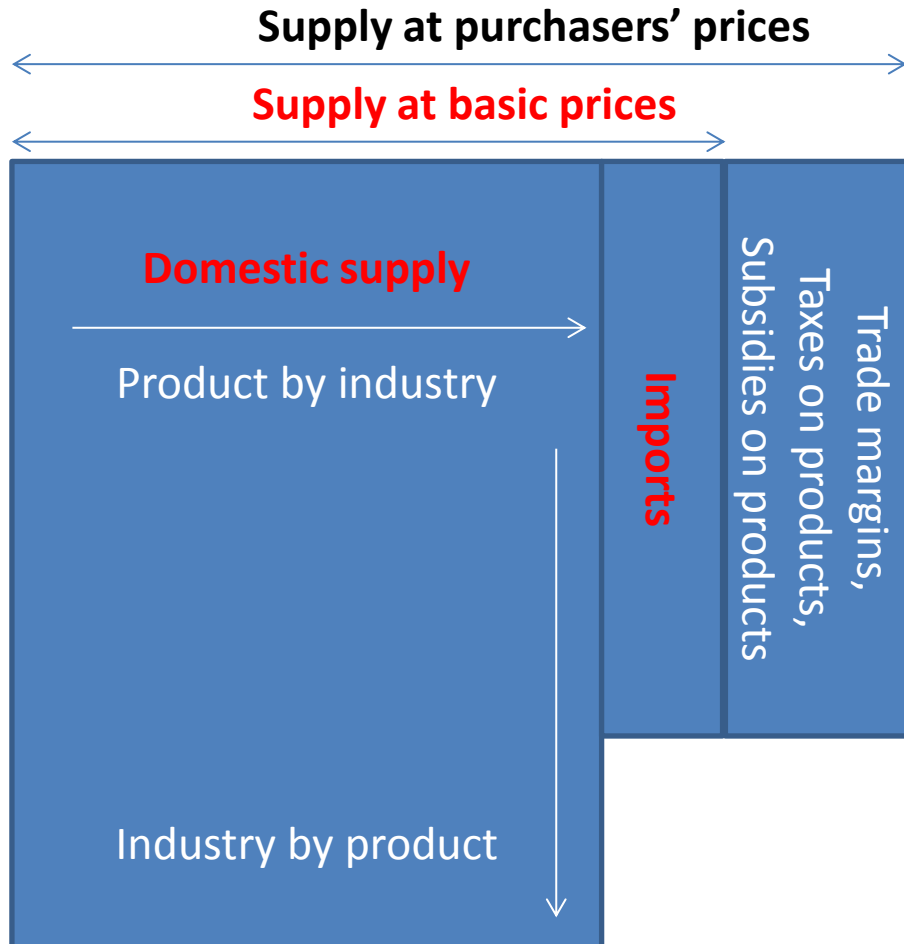
Table 2  
2013 Use Table at purchasers' prices €m

	Industries	1-3	5-9	10-12	13-15	16	17	18
		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	Products							
1-3	Agriculture, forestry and fishing	2,351	0	4,619	1	183	0	0
5-9	Mining, quarrying and extraction	68	105	89	1	1	1	2
10-12	Food & beverages and tobacco products	1,769	0	5,056	0	0	1	0
13-15	Textiles, wearing apparel and leather products	19	0	0	130	1	1	4
16	Wood and wood products (excl furniture)	3	0	24	0	133	1	1
17	Pulp, paper and paper products	12	0	229	6	6	117	31
18	Printed matter and recorded media	2	0	6	0	0	3	238
19,31,32	Petroleum; furniture; other manufacturing	386	28	257	5	11	5	7
20	Chemicals and chemical products	554	11	291	31	40	20	64
21	Basic pharmaceutical products	182	0	-	-	-	-	-
22	Rubber and plastics	24	1	355	1	1	3	1
23	Other non-metallic mineral products	12	12	44	0	0	0	2
24	Basic metals	17	1	116	1	12	1	3
25	Fabricated metal products	18	6	117	2	10	2	4
26	Computer, electronic & optical products	9	0	0	0	1	0	1
27	Electrical equipment	7	0	38	0	0	1	0
28	Machinery and equipment n.e.c.	8	11	82	3	10	2	6
29	Motor vehicles, trailers and semi-trailers	9	0	1	0	1	0	0
30	Other transport equipment	5	7	1	0	1	0	0
33	Repair/installation of machinery & equipment	140	1	20	0	1	0	1
35	Electricity and gas supply	251	37	279	9	36	5	19
36	Water collection, treatment and supply	6	0	15	1	1	0	3
37-39	Sewerage, refuse and remediation services	5	1	20	0	1	1	1
41-43	Construction and construction works	67	13	63	3	10	4	7
45	Wholesale & retail trade/repair of vehicles	26	2	11	0	1	0	10
46	Wholesale trade	99	1	928	8	22	0	0
47	Retail trade	28	1	19	8	11	0	0
49	Land transport services	19	16	131	5	36	7	3
50	Water transport services	3	1	22	0	1	0	0
51	Air transport services	1	8	191	3	-	4	8
52	Warehousing	4	0	30	0	0	0	0
53	Postal and courier services	4	2	5	1	1	1	2
55-56	Accommodation and food & beverage services	4	2	53	4	4	2	5
58-60	Publishing, film and broadcasting services	2	6	135	6	6	9	51
61	Telecommunications services	41	2	93	2	2	1	3
62-63	Computer consultancy; data processing	2	0	0	0	0	0	0
64	Financial intermediation services	67	5	165	8	9	13	12
65	Insurance, reinsurance and pension funding	51	4	113	6	6	3	8
66	Other financial activities	0	2	41	2	2	1	3
68	Real estate services	5	0	8	1	1	0	1
69-70	Legal and accounting services; mgt consultancy	15	3	403	3	3	3	3
71	Architectural and engineering services	2	1	16	2	2	1	2
72	Scientific research and development services	16	0	20	0	1	0	64
73	Advertising and market research services	5	7	1,377	3	3	6	107
74-75	Other professional, scientific services	74	0	6	0	0	0	1
77	Rental and leasing services	17	13	243	1	3	1	34
78	Employment services	3	0	41	0	0	2	6
79	Travel and tourism service activities	2	0	8	1	1	0	1
80-82	Security, office & business support services	3	1	24	1	1	1	2
84	Public administration	2	-	-	-	-	-	-
85	Education services	1	-	-	-	-	-	-
86-88	Human health and social work services	0	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	2	0	10	1	1	0	1
93	Recreation and sports activities	2	0	9	0	0	0	1
94	Membership organisation services	15	0	11	1	1	0	1
95	Repair of consumer goods	0	0	2	0	0	0	0
96	Other personal service activities	5	0	5	0	0	0	1
97	Private households with employed persons	-	-	-	-	-	-	-
	Total intermediate consumption	6,445	320	15,844	262	579	227	726
	Compensation of Employees	605	294	1,900	78	97	157	249
	Operating surplus, net	2,389	26	5,357	28	9	32	81
	Consumption of fixed capital	772	412	492	27	43	15	50
	Net taxes (taxes less subsidies) on production	-1,688	18	100	15	2	3	7
	Gross value added at basic prices	2,163	750	7,849	148	150	207	386
	Output at basic prices (= last row of Table 1)	8,608	1,069	23,693	410	729	434	1,112

Intermediate consumption & GVA by industry



## Overview of Table structure - Supply table

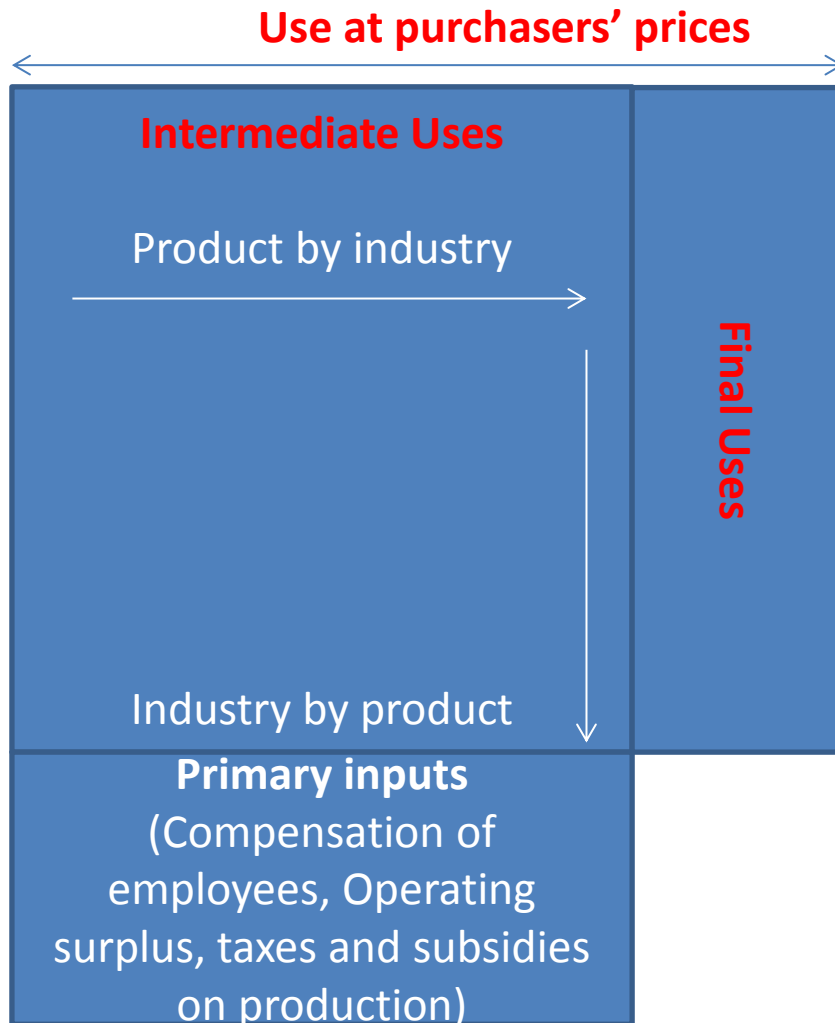


- In essence the **Supply table** is composed of **three blocs**
- 1) Domestic supply by industry and product – ***Output method***
- 2) Imports
- 3) Trade margins, taxes and subsidies on products



# Supply & Use Tables and Input-Output Tables

## Overview of Table structure - Use table



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



Supply & Use Tables structure and consistency with the N.I.E.

## Contents

### Introduction

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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 sub-aggregates 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	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	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	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	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	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	Land transport services	4,025	225	-	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	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	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	-	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	Membership organisation services	1,826	-	-	1	-	1,826
95	Repair of consumer goods	108	-	-	12	-	120
96	Other personal service activities	1,472	25	-	166	-	1,363
97	Private households with employed persons	142	-	-	-	-	142
	Total output by industry (= last row of Table 1)	393,729	157,476	0	16,996	-1,079	567,122
			-162	cif/fob adjustment			-162
			157,314	Imports f.o.b. (as per NIE)			566,960

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).

Total domestic Output = €393,729 million (in Supply Table)

# Use Table – Table 2

		Industries										
		Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)		
NACE	Products											
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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		
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	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	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	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	Other personal service activities	489	873	-	-	1	-	-	874	1,363		
97	Private households with employed persons		142	-	-	-	-	-	142	142		
Total intermediate consumption		229,437	72,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122		
Compensation of Employees		71,646				cif/fob adjustment		-162	-162	-162		
Operating surplus, net		63,942				Exports (as per NIE)		191,183	337,523	566,960		
Consumption of fixed capital		28,452										
Net taxes (taxes less subsidies) on production		252										
Gross value added at basic prices		164,293										
Output at basic prices (= last row of Table 1)		355,780										

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**

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

# 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 <sup>†</sup>
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 (= Item 12)		39	-149	-467	-2,322	-1,913	155
<b>48. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>
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
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>
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
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>
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
<b>56. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>
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
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>
<sup>†</sup> 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





Supply & Use Tables consistency with the N.I.E.

## 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)

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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
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 (= Item 12)		39	-149	-467	-2,322	-1,913	155	
<b>48. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>56. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	

<sup>†</sup> 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.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	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	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	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	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	Land transport services	4,025	225	-	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	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	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	-	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	Membership organisation services	1,826	-	-	1	-	1,826
95	Repair of consumer goods	108	-	-	12	-	120
96	Other personal service activities	1,172	25	-	156	-	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	cif/fob adjustment			-162
			157,314	Imports f.o.b. (as per NIE)			566,960

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.

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

# 2013 Use Table – Table 2 (published 2016)

	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 (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	-	-	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
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	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	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	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	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						-162	-162	-162
	Operating surplus, net	63,942						191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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.

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

# NIE2015 Table 1 (published July 2016)

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

€ million							
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>
<b>Value added from agriculture, forestry and fishing</b>	<b>(B.1n-D.29+D.39) Pt</b>	<b>2,572</b>	<b>3,256</b>	<b>3,022</b>	<b>3,159</b>	<b>3,326</b>	<b>3,296</b>
1. Income from self-employment and other trading income	B.3 (Pt)	1,953	2,633	2,398	2,468	2,599	2,625
Remuneration of employees:	D.1 (Pt)						
2. Wages and salaries	(D.11+D.12) Pt	568	571	572	636	671	614
3. Employers' contribution to social insurance	D.12 (Pt)	52	52	53	54	56	57
<b>Non-agricultural value added</b>	<b>(B.1n-D.29+D.39) Pt</b>	<b>124,456</b>	<b>130,019</b>	<b>131,171</b>	<b>134,751</b>	<b>142,556</b>	<b>171,381</b>
Profits and self employed earnings:							
4. 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:							
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 dwellings (actual and imputed)	B.2 (Pt)	6,854	7,090	7,866	8,169	9,221	10,415
of which imputed rent		5,235	5,316	5,858	6,053	6,820	7,699
8. Rent element in land annuities		1	0	1	0	0	0
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
<b>Adjustments:</b>							
12. Statistical discrepancy		39	-149	-467	-2,322	-1,913	155
<b>13. Net value added at factor cost</b>	<b>(B.1n-D.29+D.39)</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>
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
<b>15. Net national product at factor cost</b>		<b>98,610</b>	<b>99,338</b>	<b>100,175</b>	<b>107,278</b>	<b>114,254</b>	<b>121,658</b>
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
<b>18. Net national income at market prices</b>	<b>B.5*n</b>	<b>114,845</b>	<b>115,392</b>	<b>116,599</b>	<b>124,650</b>	<b>133,597</b>	<b>142,328</b>

<sup>†</sup> Preliminary

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

**Net Operating Surplus (NOS)**  
 =  
 NIE items 1 + 4 + 5 + 6 + 7 + 8 + 12 =  
 2,468 + 47,913 + 7,175 + 539 + 8,169 + 0 + -2,322  
 =  
**€63,942 million in 2013**

# 2013 Use Table – Table 2 (published 2016)

	Industries	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final Uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	Other personal service activities	489	873	-	-	1	-	-	874	1,363
97	Private households with employed persons	-	142	-	-	-	-	-	142	142
	Total intermediate consumption	220,459	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
	Compensation of Employees	71,646						-162	-162	-162
	Operating surplus, net	63,942						191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,299								
	Output at basic prices (= last row of Table 1)	393,729								

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 table.

Net Operating Surplus = €63,942 million (in primary inputs at foot of Use table)

# NIE2015 Table 1 (published July 2016)

Table 1 Net Value Added at Factor Cost and Net National Income at Market Prices							
							€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>
<b>Value added from agriculture, forestry and fishing</b>	<b>(B.1n-D.29+D.39) Pt</b>	<b>2,572</b>	<b>3,256</b>	<b>3,022</b>	<b>3,159</b>	<b>3,326</b>	<b>3,296</b>
1. Income from self-employment and other trading income	B.3 (Pt)	1,953	2,633	2,398	2,468	2,599	2,625
Remuneration of employees:	D.1 (Pt)						
2. Wages and salaries	(D.11+D.12) Pt	568	571	572	636	671	614
3. Employers' contribution to social insurance	D.12 (Pt)	52	52	53	54	56	57
<b>Non-agricultural value added</b>	<b>(B.1n-D.29+D.39) Pt</b>	<b>124,456</b>	<b>130,019</b>	<b>131,171</b>	<b>134,751</b>	<b>142,556</b>	<b>171,381</b>
Profits and self employed earnings:							
4. 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:							
5(a) Withdrawals from quasi-corporations <sup>^</sup>	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 dwellings (actual and imputed)	B.2 (Pt)	6,854	7,090	7,866	8,169	9,221	10,415
of which imputed rent		5,235	5,316	5,858	6,053	6,820	7,699
8. Rent element in land annuities		1	0	1	0	0	0
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
<b>Adjustments:</b>							
12. Statistical discrepancy		39	-149	-467	-2,322	-1,913	155
<b>13. Net value added at factor cost</b>	<b>(B.1n-D.29+D.39)</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>
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
<b>15. Net national product at factor cost</b>		<b>98,610</b>	<b>99,338</b>	<b>100,175</b>	<b>107,278</b>	<b>114,254</b>	<b>121,658</b>
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
<b>18. Net national income at market prices</b>	<b>B.5*n</b>	<b>114,845</b>	<b>115,392</b>	<b>116,599</b>	<b>124,650</b>	<b>133,597</b>	<b>142,328</b>

<sup>†</sup> Preliminary

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

Compensation of Employees (COE)  
=  
NIE items 2 + 3 + 9 + 10  
=  
636 + 54 + 65,684 + 5,272  
=  
€71,646 million in 2013



# 2013 Use Table – Table 2 (published 2016)

		Industries							Total Final Uses (= total supply in Table 1)	Total supply in Table 1
		Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	Products									
1-3	Agriculture, forestry and fishing	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	-	-	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
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	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	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	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	Other personal service activities	489	873	-	-	1	-	-	874	1,363
97	Private households with employed persons	-	142	-	-	-	-	-	142	142
Total intermediate consumption		220,484	78,115	1,826	30,593	32,867	2,940	191,345	337,686	567,122
Compensation of Employees		71,646				cif/job adjustment		-162	-162	
Operating surplus, net		63,942				Exports (as per NIE)		191,183	337,523	566,960
Consumption of fixed capital		28,452								
Net taxes (taxes less subsidies) on production		252								
Gross value added at basic prices		164,288								
Output at basic prices (= last row of Table 1)		393,729								

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.

Compensation of Employees = €71,646 million (in primary inputs at foot of Use table)



**Table 2 Net 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)

Table 2. Net 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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015†	
<b>19. Agriculture, forestry and fishing</b>								
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	
<b>20. Industry (including building)</b>								
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	
<b>20a. Industry</b>								
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	
<b>20b. Building and construction</b>								
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	
<b>21. Distribution, transport, software and communication</b>								
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	(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	
<b>22. Public administration and defence</b>								
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008	
<b>23. Other services (including rent)</b>								
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	
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>	
<b>28. plus Provision for depreciation</b>	<b>P.51c</b>	<b>25,087</b>	<b>25,349</b>	<b>26,954</b>	<b>28,452</b>	<b>30,891</b>	<b>61,558</b>	
Agriculture, forestry and fishing		796	759	756	772	828	839	
Industry (including building)		6,698	6,535	6,763	6,661	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 & communication		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	
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>35. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>37. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>40. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
† Preliminary								

† Preliminary

## NIE2015 Table 2 (published July 2016)

Consumption of Fixed Capital  
(CFC)

=

NIE item 28

=

€28,452 million in 2013

# 2013 Use Table – Table 2 (published 2016)

	Industries	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	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	11,646	-	-	-	-	-	-162	-162	-162
	Operating surplus, net	63,942	-	-	-	-	-	-	-	-
	Consumption of fixed capital	28,452	-	-	-	-	-	-	-	-
	Net taxes (taxes less subsidies) on production	252	-	-	-	-	-	-	-	-
	Gross value added at basic prices	164,293	-	-	-	-	-	-	-	-
	Output at basic prices (= last row of Table 1)	393,729	-	-	-	-	-	-	-	-
						cif/job adjustment		191,345	337,686	567,122
						Exports (as per NIE)		191,183	337,523	566,960

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.

Consumption of Fixed Capital = €28,452 million (in primary inputs at foot of Use table)

Table 2 Net 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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015†	
<b>19. Agriculture, forestry and fishing</b>								
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	
<b>20. Industry (including building)</b>								
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	
<b>20a. Industry</b>								
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	
<b>20b. Building and construction</b>								
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	
<b>21. Distribution, transport, software and communication</b>								
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	(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	
<b>22. Public administration and defence</b>								
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008	
<b>23. Other services (including rent)</b>								
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	
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>	
<b>28. plus Provision for depreciation</b>	<b>P.51c</b>	<b>25,087</b>	<b>25,349</b>	<b>26,994</b>	<b>28,452</b>	<b>30,891</b>	<b>61,558</b>	
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		6,250	6,158	6,430	6,583	6,579	33,411	
Building and construction		448	377	333	298	284	272	
Distribution, transport, software & communication		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	
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>35. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>37. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>40. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	

† Preliminary

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

Other taxes on production  
(non product taxes)

=

NIE item 30 (and item 49)

=

€2,536 million in 2013

Other subsidies on production  
(non product subsidies)

=

NIE item 31 (and item 50)

=

€2,284 million in 2013

# 2013 Use Table – Table 2 (published 2016)

	Industries	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	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						-162	-162	-162
	Operating surplus, net	63,992						Exports (as per NIE)	191,183	337,523
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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 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 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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015†	
<b>19. Agriculture, forestry and fishing</b>								
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	
<b>20. Industry (including building)</b>								
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	
<b>20a. Industry</b>								
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	
<b>20b. Building and construction</b>								
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	
<b>21. Distribution, transport, software and communication</b>								
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	(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	
<b>22. Public administration and defence</b>								
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008	
<b>23. Other services (including rent)</b>								
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	
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>	
<b>28. plus Provision for depreciation</b>	<b>P.51c</b>	<b>25,087</b>	<b>25,349</b>	<b>26,994</b>	<b>28,452</b>	<b>30,891</b>	<b>61,558</b>	
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		6,250	6,158	6,430	6,583	6,579	33,411	
Building and construction		448	377	333	298	284	272	
Distribution, transport, software & communication		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	
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	-2,264	-2,191	-2,444	
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>35. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>37. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>40. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
† Preliminary								

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

Gross Value Added (GVA) at  
basic prices

=

NIE item 32 (and item 51)

=

€164,293 million in 2013

# 2013 Use Table – Table 2 (published 2016)

	Industries	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final Uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	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 adjustment		-162		-162
	Operating surplus, net	63,942				Exports (as per NIE)		191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports (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	-	-	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
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	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	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	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	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	-	-	-	-	-	-162	-162	-162
	Operating surplus, net	63,942	-	-	-	-	-	-162	-162	-162
	Consumption of fixed capital	28,452	-	-	-	-	-	-	-	-
	Net taxes (taxes less subsidies) on production	252	-	-	-	-	-	-	-	-
	Gross value added at basic prices	164,293	-	-	-	-	-	-	-	-
	Output at basic prices (= last row of Table 1)	393,729	-	-	-	-	-	-	-	-

Using the **Expenditure method** of GDP calculation,  $GDP = \text{Final uses} + \text{Net exports}$

For 2013, we see that total GDP at market prices in the Use table is  
**FCF €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.

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

# 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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
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 (= Item 12)		39	-149	-467	-2,322	-1,913	155	
<b>48. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	
<b>51. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,293</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>54. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
55. Net factor income from the rest of the world	D.1 & D.4 (net to abroad)	-28,457	-33,788	-33,551	-28,340	-29,715	-53,173	
<b>56. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>59. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> 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 Current Market Prices**

								€ million
Description		ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>
79. Personal consumption of goods and services		P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
<i>of which:</i>								
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
<i>of which</i>								
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
<b>86. Gross domestic product at current market prices</b>		<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>
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
<b>88. Gross national product at current market prices</b>			<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>
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
<b>91. Gross national income at current market prices</b>		<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>
<sup>†</sup> Preliminary								
# Excluding factor income flows								

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

# 2013 Use Table – Table 2 (published 2016)

		Industries							Total Final uses (= total supply in Table 1)
		Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	
NACE	Products								
1-3	Agriculture, forestry and fishing	7,307	2,135	-	-	-19	107	1,784	4,006
5-10	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781
16	Wood and wood products (excl furniture)	953	101	-	-	10	-139	404	376
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	963
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600
20	Chemicals and chemical products	6,111	1,093	-	-	87	548	13,098	14,825
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407
24	Basic metals	1,968	7	-	-	-	45	679	731
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847
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
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851
41-43	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930
44	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323
45	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899
47	Retail trade	208	88	-	-	7	-	-	95
49	Land transport services	1,653	2,027	-	246	0	-	271	2,544
50	Water transport services	226	104	-	-	-	-	311	415
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426
52	Warehousing	1,888	222	-	-	1	-	-	223
53	Postal and courier services	789	374	-	-	-	-	640	1,013
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958
64	Financial intermediation services	13,474	1,424	-	-	27	-	7,889	9,340
65	Insurance, reinsurance and pension funding	8,364	1,235	-	299	7	-	8,195	9,736
66	Other financial activities	4,031	478	-	-	6	-	678	1,161
68	Real estate services	3,089	13,144	-	821	159	-	-	14,123
69-70	Legal and accounting services; mgt consultancy	10,611	211	-	-	849	-	346	1,406
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692
73	Advertising and market research services	5,352	35	-	-	5	-	150	190
74-75	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630
78	Employment services	1,223	17	-	-	0	-	-	17
79	Travel and tourism service activities	171	384	-	-	-	-	-	384
80-82	Security, office & business support services	2,958	37	-	-	64	-	-	101
84	Public administration	810	75	-	9,845	115	-	41	10,076
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626
93	Recreation and sports activities	691	457	-	-	0	-	115	573
94	Membership organisation services	454	831	541	-	-	-	-	1,372
95	Repair of consumer goods	93	27	-	-	0	-	-	27
96	Other personal service activities	489	813	-	-	1	-	-	874
97	Private households with employed persons	-	142	-	-	-	-	-	142
Total intermediate consumption		229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686
Compensation of Employees		71,646	cif/fob adjustment						-162
Operating surplus, net		63,942	Exports (as per NIE)						191,183
Consumption of fixed capital		28,452							337,523
Net taxes (taxes less subsidies) on production		252							566,960
Gross value added at basic prices		164,293							
Output at basic prices (= last row of Table 1)		393,729							

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 Current Market Prices								
								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377	
<i>of which:</i>								
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	
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	
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>88. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> Preliminary								
# Excluding factor income flows								

Final consumption expenditure of Households and NPISHs

=

NIE item 79(a)

=

€79,940 million in 2013

# 2013 Use Table – Table 2 (published 2016)

	Industries								Total Final uses	Total uses (= total supply in Table 1)
		Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	Products									
1-3	Agriculture, forestry and fishing	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	-	-	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
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	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	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	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	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 adjustment					-162	-162	-162
Operating surplus, net		63,942	Exports (as per NIE)					191,183	337,523	566,960
Consumption of fixed capital		28,452								
Net taxes (taxes less subsidies) on production		252								
Gross value added at basic prices		164,293								
Output at basic prices (= last row of Table 1)		393,729								

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 Current Market Prices**

								€ million
Description		ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>
79. Personal consumption of goods and services		P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377
<i>of which:</i>								
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
<i>of which</i>								
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
<b>86. Gross domestic product at current market prices</b>		<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>
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
<b>88. Gross national product at current market prices</b>			<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>
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
<b>91. Gross national income at current market prices</b>		<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>
<sup>†</sup> 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

# 2013 Use Table – Table 2 (published 2016)

	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 i.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	<i>Products</i>									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	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						-162	-162	-162
	Operating surplus, net	63,942						191,183	337,523	566,960
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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 Current Market Prices								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
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	
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>88. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> 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



# 2013 Use Table – Table 2 (published 2016)

	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 (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	-	-	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
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	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	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	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	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/job adjustment	-162	-162	-162	-162
	Operating surplus, net	63,942				Exports (as per NIE)	191,183	337,523	566,960	
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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)

Value of physical  
changes in stocks  
(Change in inventories)

Table 5 Expenditure on Gross National Income at Current Market Prices								
								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
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	
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>88. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> Preliminary								
# Excluding factor income flows								

=  
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

# 2013 Use Table – Table 2 (published 2016)

	Industries	Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,307	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	-	-	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
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	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	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	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	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	101,345	337,686	567,122
	Compensation of Employees	71,646				cif/job adjustment	-162	-162	-162	-162
	Operating surplus, net	63,942				Exports (as per NIE)	191,183	337,523	566,960	
	Consumption of fixed capital	28,452								
	Net taxes (taxes less subsidies) on production	252								
	Gross value added at basic prices	164,293								
	Output at basic prices (= last row of Table 1)	393,729								

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.

# NIE2015 Table 5 (published July 2016)

Table 5 Expenditure on Gross National Income at Current Market Prices								
								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377	
<i>of which:</i>								
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	
<i>of which</i>								
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	
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>88. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> Preliminary								
# Excluding factor income flows								

Exports of goods and services

=

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.

# 2013 Use Table – Table 2 (published 2016)

		Industries							Total Final uses (= total supply in Table 1)
		Total inter-industry	Final consumption of h/holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports (o.b. (free on board))	
NACE	Products								
1-3	Agriculture, forestry and fishing	7,307	2,135	-	-	-19	107	1,784	4,006
5-9	Mining, quarrying and extraction	4,915	345	-	22	213	392	520	1,494
10-12	Food & beverages and tobacco products	8,661	10,430	111	1	53	311	20,119	31,026
13-15	Textiles, wearing apparel and leather products	955	3,798	-	-	43	549	391	4,781
16	Wood and wood products (excl furniture)	953	101	-	-	10	-139	404	376
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	963
19,31,32	Petroleum; furniture; other manufacturing	8,086	6,230	-	22	908	61	8,379	15,600
20	Chemicals and chemical products	6,111	1,093	-	-	87	548	13,098	14,825
21	Basic pharmaceutical products	5,078	1,509	-	1,934	1,740	412	31,031	36,625
22	Rubber and plastics	2,158	507	-	-	17	-15	1,019	1,527
23	Other non-metallic mineral products	1,462	212	-	-	9	-145	331	407
24	Basic metals	1,968	7	-	-	-	45	679	731
25	Fabricated metal products	1,781	285	-	-	146	60	1,374	1,866
26	Computer, electronic & optical products	4,373	575	-	-	1,790	366	9,281	12,012
27	Electrical equipment	1,722	311	-	-	380	140	1,015	1,847
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
30	Other transport equipment	3,410	43	-	-	6,576	192	93	6,904
33	Repair/installation of machinery & equipment	817	43	-	-	3	16	-	62
35	Electricity and gas supply	4,388	2,321	-	179	5	136	7	2,648
36	Water collection, treatment and supply	113	309	-	159	-	-	-	468
37-39	Sewerage, refuse and remediation services	717	432	-	319	3	96	-	851
41-43	Construction and construction works	2,669	532	-	-	9,398	-	-	9,930
45	Wholesale & retail trade/repair of vehicles	1,234	323	-	-	-	-	-	323
46	Wholesale trade	11,646	319	-	-	589	-	10,991	11,899
47	Retail trade	208	88	-	-	7	-	-	95
49	Land transport services	1,653	2,027	-	246	0	-	271	2,544
50	Water transport services	226	104	-	-	-	-	311	415
51	Air transport services	1,495	1,404	-	-	-	-	4,023	5,426
52	Warehousing	1,888	222	-	-	1	-	-	223
53	Postal and courier services	789	374	-	-	-	-	640	1,013
55-56	Accommodation and food & beverage services	882	8,103	-	-	0	-	1,922	10,025
58-60	Publishing, film and broadcasting services	3,008	1,111	-	182	2,152	-	12,171	15,617
61	Telecommunications services	1,882	2,356	-	81	13	-	538	2,989
62-63	Computer consultancy; data processing	13,590	260	-	-	2,135	-	31,563	33,958
64	Financial intermediation services	13,474	1,424	-	-	27	-	7,889	9,340
65	Insurance, reinsurance and pension funding	8,364	1,235	-	299	7	-	8,195	9,736
66	Other financial activities	4,031	478	-	-	6	-	678	1,161
68	Real estate services	3,089	13,144	-	821	159	-	-	14,123
69-70	Legal and accounting services; mgt consultancy	10,611	211	-	-	849	-	346	1,406
71	Architectural and engineering services	1,164	12	-	-	312	-	328	653
72	Scientific research and development services	6,767	-	-	150	395	-	1,147	1,692
73	Advertising and market research services	5,352	35	-	-	5	-	150	190
74-75	Other professional, scientific services	8,408	156	-	-	311	-	3,797	4,265
77	Rental and leasing services	46,142	999	-	-	0	-	12,631	13,630
78	Employment services	1,223	17	-	-	0	-	-	17
79	Travel and tourism service activities	171	384	-	-	-	-	-	384
80-82	Security, office & business support services	2,958	37	-	-	64	-	-	101
84	Public administration	810	75	-	9,845	115	-	41	10,076
85	Education services	1,802	2,609	-	5,676	548	-	-	8,833
86-88	Human health and social work services	1,162	2,537	1,173	10,656	31	-	256	14,653
90-92	Cultural, arts and gambling activities	427	1,057	-	-	163	-	405	1,626
93	Recreation and sports activities	691	457	-	-	0	-	115	573
94	Membership organisation services	454	831	541	-	-	-	-	1,372
95	Repair of consumer goods	93	27	-	-	0	-	-	27
96	Other personal service activities	489	873	-	-	1	-	-	874
97	Private households with employed persons	-	142	-	-	-	-	-	142
Total intermediate consumption		229,437	78,115	1,826	30,593	32,867	2,940	191,345	337,686
Compensation of Employees		71,646						-162	-162
Operating surplus, net		63,942						Exports (as per NIE)	191,183
Consumption of fixed capital		28,452							337,523
Net taxes (taxes less subsidies) on production		252							566,960
Gross value added at basic prices		164,293							
Output at basic prices (= last row of Table 1)		393,729							

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 Current Market Prices								
								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015 <sup>†</sup>	
79. Personal consumption of goods and services	P.3 (Pt)	83,741	83,684	84,203	84,983	87,760	92,377	
<i>of which:</i>								
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	
<i>of which</i>								
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	
<b>86. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>88. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>91. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	
<sup>†</sup> Preliminary								
# Excluding factor income flows								

Imports of goods and services

=

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	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	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	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	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	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	Land transport services	4,025	225	-	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	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	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	-	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	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
			-162	cif/fob adjustment			-162
			157,314	Imports f.o.b. (as per NIE)			566,960

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 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)								€ million
Description	ESA Code	2010	2011	2012	2013	2014	2015†	
<b>19. Agriculture, forestry and fishing</b>								
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	
<b>20. Industry (including building)</b>								
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	
<b>20a. Industry</b>								
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	
<b>20b. Building and construction</b>								
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	
<b>21. Distribution, transport, software and communication</b>								
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	(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	
<b>22. Public administration and defence</b>								
Remuneration of employees	D.1 (Pt)	5,506	5,749	5,617	5,690	5,801	6,008	
<b>23. Other services (including rent)</b>								
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	
<b>27. Net value added at factor cost</b>	<b>B.1n-D.29+D.39</b>	<b>127,067</b>	<b>133,125</b>	<b>133,726</b>	<b>135,588</b>	<b>143,969</b>	<b>174,831</b>	
<b>28. plus Provision for depreciation</b>	<b>P.51c</b>	<b>25,087</b>	<b>25,349</b>	<b>26,994</b>	<b>28,452</b>	<b>30,891</b>	<b>61,558</b>	
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		6,250	6,158	6,430	6,583	6,579	33,411	
Building and construction		448	377	333	298	284	272	
Distribution, transport, software & communication		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	
<b>29. Gross value added at factor cost</b>	<b>B.1g-D.29+D.39</b>	<b>152,154</b>	<b>158,474</b>	<b>160,721</b>	<b>164,041</b>	<b>174,860</b>	<b>236,389</b>	
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	
<b>32. Gross value added at basic prices</b>	<b>B.1g</b>	<b>151,924</b>	<b>158,213</b>	<b>160,501</b>	<b>164,258</b>	<b>175,626</b>	<b>236,968</b>	
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	
<b>35. Gross domestic product at current market prices</b>	<b>B.1*g</b>	<b>167,124</b>	<b>173,070</b>	<b>175,754</b>	<b>180,209</b>	<b>193,160</b>	<b>255,815</b>	
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	
<b>37. Gross national product at current market prices</b>		<b>138,667</b>	<b>139,282</b>	<b>142,203</b>	<b>151,899</b>	<b>163,445</b>	<b>202,642</b>	
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	
<b>40. Gross national income at current market prices</b>	<b>B.5*g</b>	<b>139,932</b>	<b>140,741</b>	<b>143,593</b>	<b>153,102</b>	<b>164,488</b>	<b>203,886</b>	

## 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	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	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	21,038	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	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	Land transport services	4,025	225	-	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	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	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	-	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	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
			-162	cif/fob adjustment			-162
			157,314	Imports f.o.b. (as per Table 1)			566,960

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.

Taxes and subsidies on products = €16,996 million and -€1,079 million (in Supply Table)



## 2013 Supply Table – Table 1 (published 2016)

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			-162	cif/fob adjustment		-162	
			157,314	Imports f.o.b. (as per WTA)			566,960

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

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.



## Contents

### Introduction

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



### **Table 1 Supply table**

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



## Supply & Use Tables and Input-Output Tables

### Table 1 Supply table

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



### **Table 2 Use table**

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



## Table 2 Use table

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



### **General Supply & Use Table issues**

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

### Introduction

1. Overview of Tables & their structure
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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**
6. 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

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

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

**S** = Supply table (rows equal to vector  $\mathbf{q}$ )

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

**X<sub>p</sub>** = product- by-product Input-Output table



## Contents - continued

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



### Tables 11 & 12 – Coefficients & Leontief

- How are the Leontief multipliers calculated?

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

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





### Tables 11 & 12 – Coefficients & Leontief

- What do these **output multipliers** tell us? Upper portion of 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**



### Tables 11 & 12 – Coefficients & Leontief

- 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.**



### Tables 11 & 12 – Coefficients & Leontief

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



## Contents - continued

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



### **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

		Industries					
		Total domestic	Imports c.i.f. (carriage, 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	7,277	838	956	74	-32	9,112
5-9	Mining, quarrying and extraction	983	3,579	508	77	-	5,147
10-12	Food & beverages and tobacco products	20,120	6,353	7,805	2,850	-73	37,055

Domestic supply of  
NACE 1-3 product  
€7.277 billion

Imports of NACE  
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	<i>Products</i>									
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

		<i>Industries</i>							Total Final uses	Total uses ( = total domestic supply + imports in Table 1)
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	<i>Products</i>									
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 :

		<i>Industries</i>								
		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	<i>Products</i>									
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

Industries		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = total imports in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	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	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses (= trade margins in Table 1)
NACE	<i>Products</i>									
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

<i>Industries</i>		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	<i>Products</i>									
1-3	Agriculture, forestry and fishing	9	32	-	-	-	-	-	32	41
5-9	Mining, quarrying and extraction	44	26	-	-	7	-	-	33	77
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)  
Total inputs at basic prices =  
€8.115 billion (= total  
domestic supply + imports in  
table 1) for NACE 1-3 product

**Table 8 2011 Symmetric Input-Output Table of total product flows at basic prices €m**

	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	1,175
5-9	Mining, quarrying and extraction	46
10-12	Food & beverages and tobacco products	1,322
13-15	Textiles, wearing apparel and leather products	14
16	Wood and wood products (excl furniture)	3
17	Pulp, paper and paper products	24
18	Printed matter and recorded media	0
19,31,32	Petroleum; furniture; other manufacturing	362
20	Chemicals and chemical products	407
21	Basic pharmaceutical products	137
22	Rubber and plastics	27
23	Other non-metallic mineral products	7
24	Basic metals	12
25	Fabricated metal products	15
26	Computer, electronic & optical products	4
27	Electrical equipment	6
28	Machinery and equipment n.e.c.	5
29	Motor vehicles, trailers and semi-trailers	6
30	Other transport equipment	8
33	Repair/installation of machinery & equipment	175
35	Electricity and gas supply	174
36	Water collection, treatment and supply	5
37-39	Sewerage, refuse and remediation services	8
41-43	Construction and construction works	60
45	Motor fuel and vehicle trade and repair	16
46	Wholesale trade	652
47	Retail trade	0
49	Land transport services	11
50	Water transport services	4
51	Air transport services	1
52	Warehousing	4
53	Postal and courier services	2
55-56	Accommodation and food & beverage services	3
58-60	Publishing, film and broadcasting services	0
61	Telecommunications services	32
62-63	Computer consultancy; data processing	0
64	Financial intermediation services	53
65	Insurance, reinsurance and pension funding	63
66	Other financial activities	0
68	Real estate services	4
69-70	Legal and accounting services; mgt consultancy	24
71	Architectural and engineering services	1
72	Scientific research and development services	26
73	Advertising and market research services	5
74-75	Other professional, scientific services	106
77	Rental and leasing services	9
78	Employment services	2
79	Travel and tourism service activities	1
80-82	Security, office & business support services	2
84	Public administration	1
85	Education services	1
86-88	Human health and social work services	1
90-92	Cultural and sporting services	5
93	Recreation services	2
94	Membership organisation services	12
95	Repair of consumer goods	1
96	Other services	2
97	Private households with employed persons	-
	Total intermediate consumption	5,051
	Product taxes less subsidies	134
	Total consumption at purchasers' prices	5,185
	Compensation of Employees	586
	Operating surplus, net	2,531
	Consumption of fixed capital	765
	Non-product taxes less subsidies	1,750
	Value added	2,092
	Inputs (=Total domestic supply in Table 1)	7,277
	Imports (=Imports in Table 1)	838
	Total inputs (=Total dom. supply+ imports in Table 1)	8,115

# Total Input-Output Table – Table 8

Table 8 2011 Symmetric Input-Output Table of total product flows at basic prices €m

	Products	Products							Total Final uses	Total outputs (= total domestic supply + import rows in Table 1)
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)		
NACE	Products									
1-3	Agriculture, forestry and fishing	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

	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	1,162
5-9	Mining, quarrying and extraction	42
10-12	Food & beverages and tobacco products	122
13-15	Textiles, wearing apparel and leather products	1
16	Wood and wood products (excl furniture)	1
17	Pulp, paper and paper products	2
18	Printed matter and recorded media	0
19,31,32	Petroleum; furniture; other manufacturing	41
20	Chemicals and chemical products	2
21	Basic pharmaceutical products	5
22	Rubber and plastics	3
23	Other non-metallic mineral products	4
24	Basic metals	0
25	Fabricated metal products	4
26	Computer, electronic & optical products	0
27	Electrical equipment	0
28	Machinery and equipment n.e.c.	0
29	Motor vehicles, trailers and semi-trailers	0
30	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	Sewerage, refuse and remediation services	8
41-43	Construction and construction works	60
45	Motor fuel and vehicle trade and repair	16
46	Wholesale trade	298
47	Retail trade	0
49	Land transport services	11
50	Water transport services	3
51	Air transport services	0
52	Warehousing	4
53	Postal and courier services	1
55-56	Accommodation and food & beverage services	2
58-60	Publishing, film and broadcasting services	0
61	Telecommunications services	28
62-63	Computer consultancy; data processing	0
64	Financial intermediation services	39
65	Insurance, reinsurance and pension funding	17
66	Other financial activities	0
68	Real estate services	4
69-70	Legal and accounting services; mgt consultancy	23
71	Architectural and engineering services	1
72	Scientific research and development services	1
73	Advertising and market research services	0
74-75	Other professional, scientific services	105
77	Rental and leasing services	0
78	Employment services	2
79	Travel and tourism service activities	1
80-82	Security, office & business support services	2
84	Public administration	1
85	Education services	1
86-88	Human health and social work services	1
90-92	Cultural and sporting services	3
93	Recreation services	2
94	Membership organisation services	12
95	Repair of consumer goods	1
96	Other services	2
97	Private households with employed persons	-
	Total intermediate consumption	2,398
	Imports	2,653
	Product taxes less subsidies	134
	Total consumption at purchasers' prices	5,185
	Compensation of Employees	586
	Operating surplus, net	2,531
	Consumption of fixed capital	765
	Non-product taxes less subsidies	1,790
	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

	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**



# 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**

	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	12
5-9	Mining, quarrying and extraction	4
10-12	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	Petroleum; furniture; other manufacturing	321
20	Chemicals and chemical products	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	Electrical equipment	6
28	Machinery and equipment n.e.c.	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	Sewerage, refuse and remediation services	-
41-43	Construction and construction works	-
45	Motor fuel and vehicle trade and repair	-
46	Wholesale trade	355
47	Retail trade	-
49	Land transport services	0
50	Water transport services	1
51	Air transport services	1
52	Warehousing	-
53	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	0
64	Financial intermediation services	15
65	Insurance, reinsurance and pension funding	46
66	Other financial activities	0
68	Real estate services	-
69-70	Legal and accounting services; mgt consultancy	1
71	Architectural and engineering services	0
72	Scientific research and development services	25
73	Advertising and market research services	5
74-75	Other professional, scientific services	1
77	Rental and leasing services	9
78	Employment services	-
79	Travel and tourism service activities	-
80-82	Security, office & business support services	-
84	Public administration	0
85	Education services	-
86-88	Human health and social work services	-
90-92	Cultural and sporting services	1
93	Recreation services	0
94	Membership organisation services	-
95	Repair of consumer goods	-
96	Other services	-
97	Private households with employed persons	-
	<b>Total</b>	<b>2,653</b>



## Contents - continued

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



An Phríomh-Oifig Staidrimh  
Central Statistics Office

# Exploratory Supply & Use Tables at previous year prices

(A framework for measuring economic growth)



Exploratory Supply & Use Tables at previous year prices

## **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

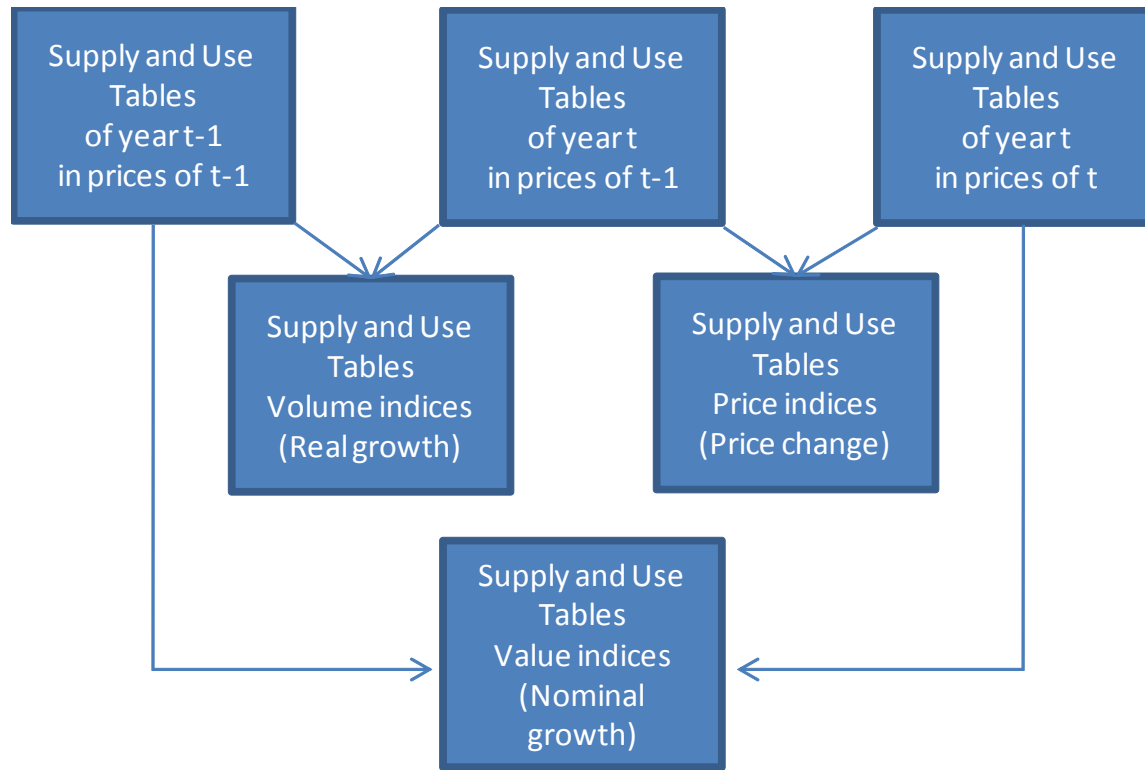




## Exploratory Supply & Use Tables at previous year prices

# 1. Background

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





Exploratory Supply & Use Tables at previous year prices

# Nominal growth

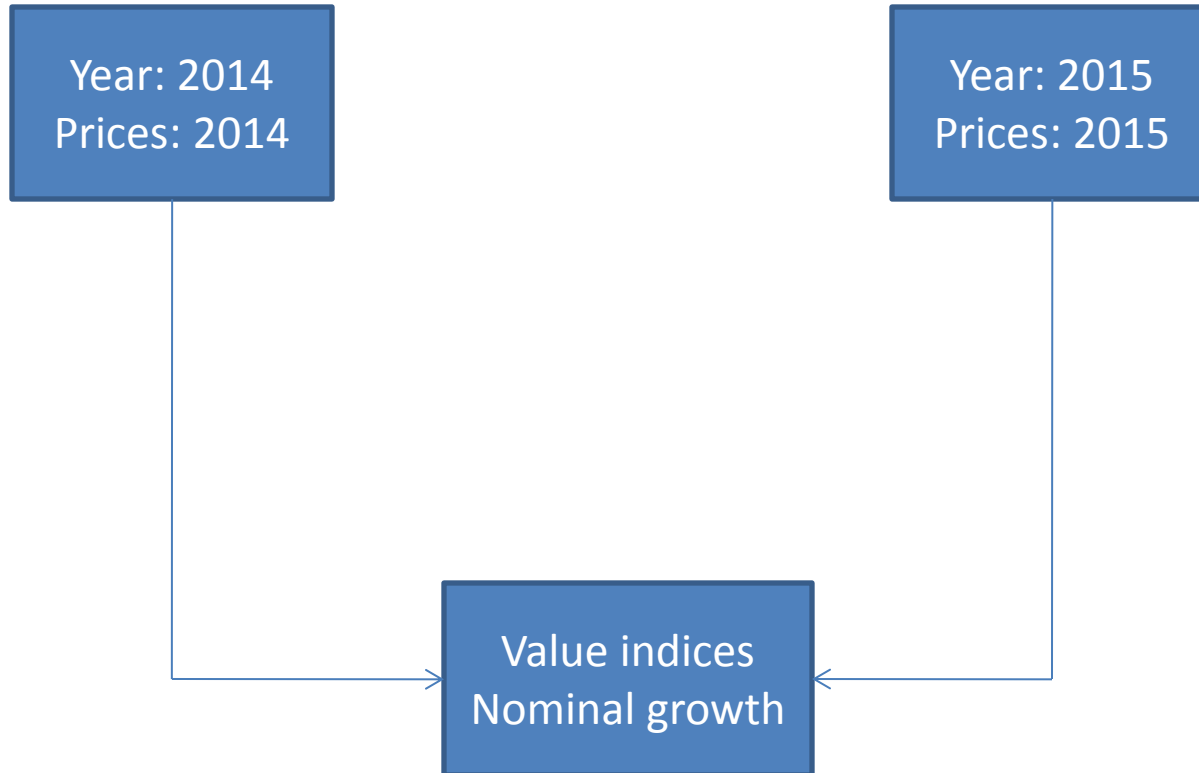
Year: 2014  
Prices: 2014

Year: 2015  
Prices: 2015



Exploratory Supply & Use Tables at previous year prices

# Nominal growth

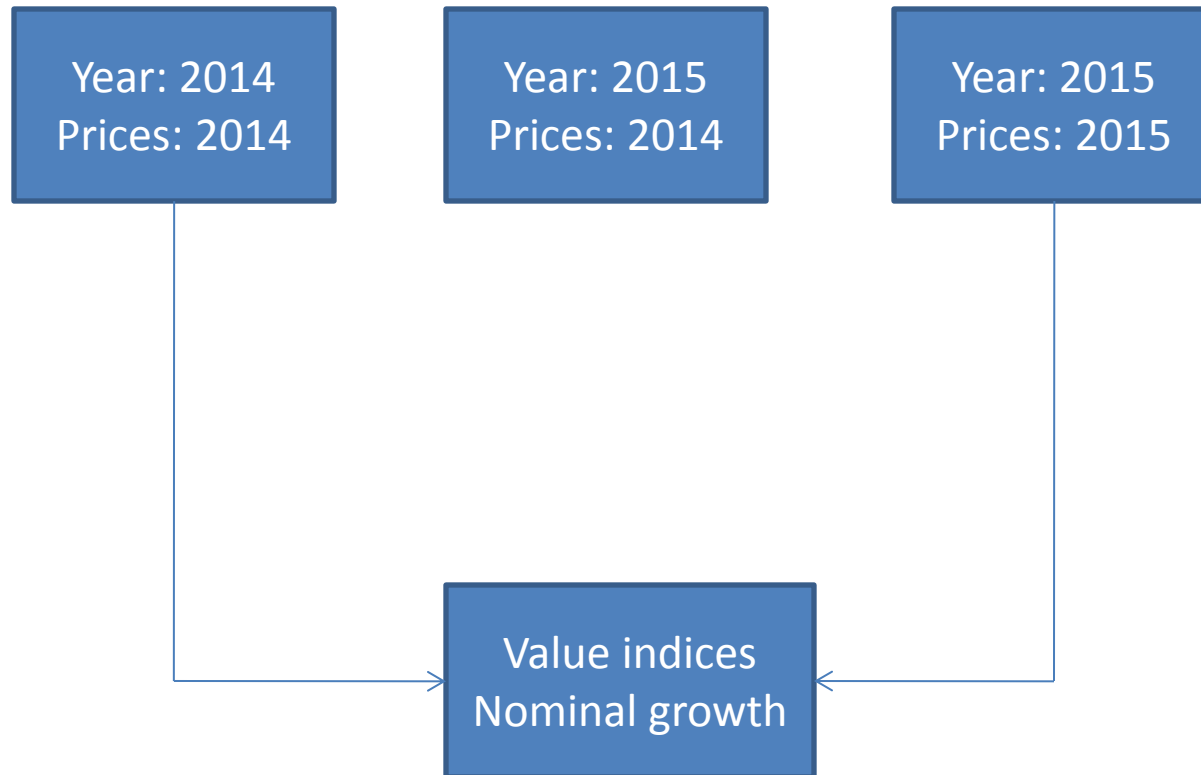






Exploratory Supply & Use Tables at previous year prices

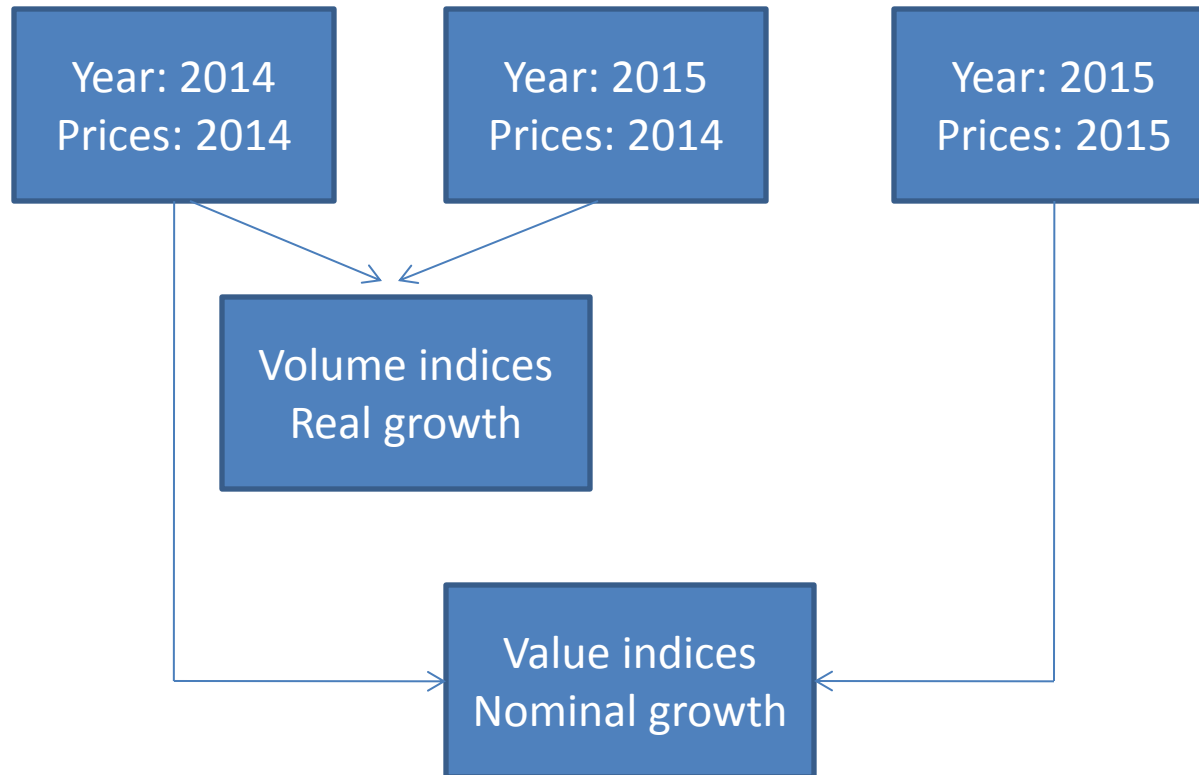
# Real growth and Price growth





Exploratory Supply & Use Tables at previous year prices

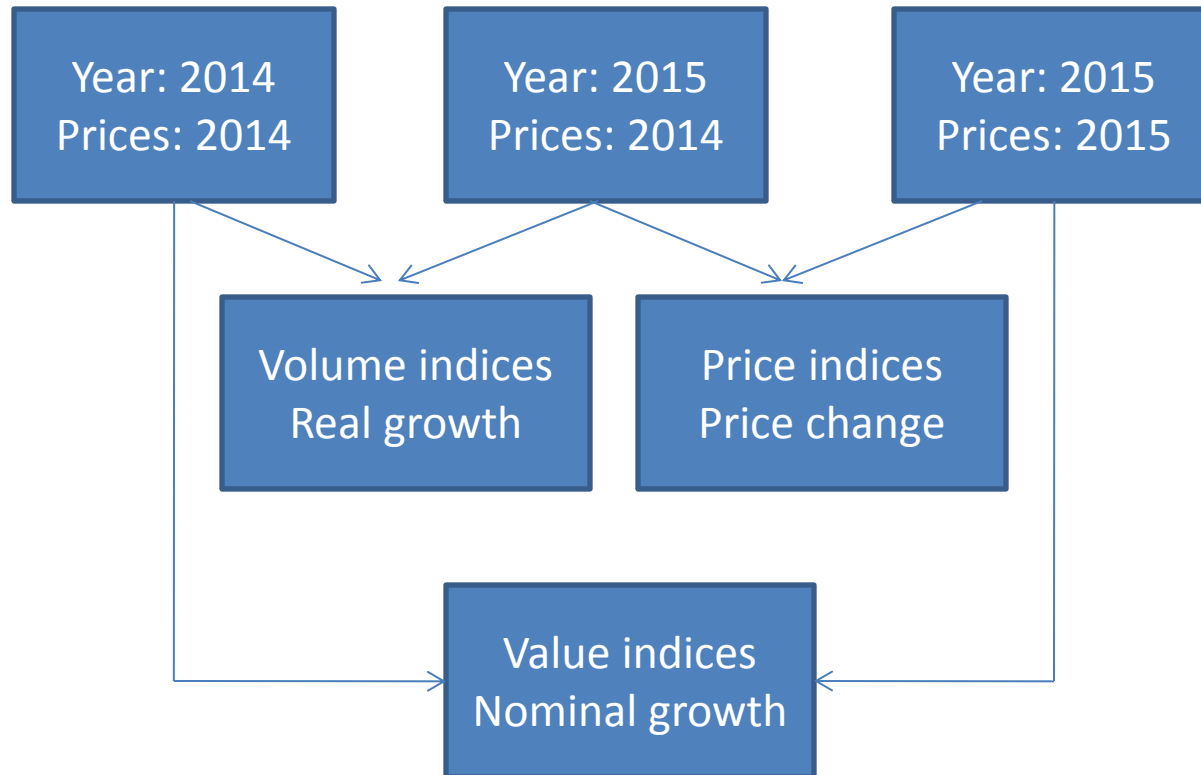
# Real growth and Price growth





Exploratory Supply & Use Tables at previous year prices

# 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



## Exploratory Supply & Use Tables at previous year prices

### **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.

**Table 1**  
**2013 Supply Table at basic prices €m**

	<i>Industries</i>	1-3	5-9	10-12	13-15	16	17	18	19,31,32	20	21	22
		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	<i>Products</i>											
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	-	-	63	-	-	-	-	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 1**  
**2013 Supply Table at basic prices €m**

	<i>Industries</i>					
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products
NACE	<i>Products</i>					
1-3	Agriculture, forestry and fishing	8,569	1,199	1,469	85	-9
5-9	Mining, quarrying and extraction	1,161	4,644	503	101	-
10-12	Food & beverages and tobacco products	20,998	7,840	7,890	3,018	-59
13-15	Textiles, wearing apparel and leather products	415	2,794	1,953	574	-
16	Wood and wood products (excl furniture)	726	336	246	21	-
17	Pulp, paper and paper products	391	1,112	93	133	-
18	Printed matter and recorded media	1,050	206	685	47	-
19,31,32	Petroleum; furniture; other manufacturing	10,147	6,854	2,954	3,737	-5
20	Chemicals and chemical products	13,802	6,598	324	212	-
21	Basic pharmaceutical products	31,038	6,178	4,030	457	-
22	Rubber and plastics	1,485	1,728	337	136	-
23	Other non-metallic mineral products	1,116	506	196	49	-
24	Basic metals	731	1,380	587	1	-
25	Fabricated metal products	1,825	1,023	685	114	-
26	Computer, electronic & optical products	9,297	6,541	333	215	-

**Deflating Supply table rows**





# Exploratory Supply & Use Tables at previous year prices

## 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 = <b>1.017</b>	1,837

Table 2

2013 Use Table at purchasers' prices €m

	<i>Industries</i>	1-3	5-9	10-12	13-15	16	17	18	19,31,32	20	21
		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
NACE	<i>Products</i>										
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
10-12	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
19,31,32	Petroleum; furniture; other manufacturing	386	28	257	5	11	5	7	796	109	54
20	Chemicals and chemical products	554	11	291	31	40	20	64	57	3,565	131
21	Basic pharmaceutical products	182	0	-	-	-	-	-	-	-	4,297
22	Rubber and plastics	24	1	355	1	1	3	1	83	58	188
23	Other non-metallic mineral products	12	12	44	0	0	0	2	201	17	13
24	Basic metals	17	1	116	1	12	1	2	287	49	37
25	Fabricated metal products	18	6	117	2	10	2	4	258	75	57
26	Computer, electronic & optical products	9	0	0	0	1	0	1	204	15	11

Table 2

2013 Use Table at purchasers' prices €m

	<i>Industries</i>	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	<i>Products</i>									
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	-	-	87	548	13,098	14,825	20,936
21	Basic pharmaceutical products	5,878	1,583	-	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

Deflating  
Use table  
rows



# 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	<b>1,462</b>	<b>1.017 (Weighted average of WPI PPI for 'Home sales' for NACE 23 (1.007) and Import unit value for NACE 23 (1.044))</b>	<b>1,437</b>
PCE	<b>212</b>	<b>0.980 (Weighted average of relevant CPI sub-indices)</b>	<b>216</b>
NPISH	-	<b>No NPISH for NACE 23</b>	-
Government expenditure	-	<b>No Government consumption expenditure for NACE 23</b>	-
GFCF	<b>9</b>	<b>0.998 (Weighted average of NACE 23 relevant deflators used in Capform GFCF estimates)</b>	<b>9</b>
Inventories	<b>-145</b>	<b>0.994 (Weighted average of NACE 23 relevant deflators used in Capform Inventories estimates)</b>	<b>-146</b>
Exports	<b>331</b>	<b>1.020 (WPI PPI for 'Export sales' for NACE 23)</b>	<b>325</b>
Total Use	<b>1,869</b>	<b>Overall implied Use table NACE 23 deflator = 1.015</b>	<b>1,841</b>

	Industries															
		1-3	5-9	10-12	13-15	16	17	18	19,31,32	20	21	22	23	24	25	26
		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	Other non-metallic mineral products	Fabricated metal products	Computer, electronic & optical products	
NACE	Products															
1-3	Agriculture, forestry and fishing	8,552	-	17	0	-	-	-	-	-	-	-	-	-	-	
5-9	Mining, quarrying and extraction	-	964	-	-	-	-	-	0	76	-	-	119	0	1	
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	-	0	-	
16	Wood and wood products (excl furniture)	5	-	-	-	703	2	0	7	-	-	2	0	8	-	
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	-	1	-	
19,31,32	Petroleum; furniture; other manufacturing	-	12	-	1	1	0	-	10,106	1	7	2	8	6	0	
20	Chemicals and chemical products	-	17	1,939	12	1	4	-	346	6,160	5,229	11	67	16	0	
21	Basic pharmaceutical products	-	-	69	-	-	-	-	646	4,907	25,417	-	-	-	-	
22	Rubber and plastics	-	-	-	1	4	9	0	170	6	-	1,215	0	0	19	
23	Other non-metallic mineral products	-	51	-	0	3	-	-	0	4	-	5	1,050	-	0	
24	Basic metals	-	-	-	2	-	-	0	-	-	-	3	9	622	89	
25	Fabricated metal products	-	-	-	0	0	0	2	165	0	-	12	14	26	1,540	
26	Computer, electronic & optical products	-	-	-	-	-	-	-	38	-	8	1	0	2	9,035	
27	Electrical equipment	-	-	-	0	0	-	0	27	51	-	7	0	1	25	
28	Machinery and equipment n.e.c.	-	-	-	-	1	-	0	10	0	-	9	-	0	37	
29	Motor vehicles, trailers and semi-trailers	-	-	-	-	-	-	-	0	-	-	-	-	14	1	
30	Other transport equipment	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
33	Repair/installation of machinery & equipment	-	-	1	0	-	-	1	-	-	-	0	-	25	5	
35	Electricity and gas supply	4	11	-	-	-	-	-	-	-	-	-	-	-	-	
36	Water collection, treatment and supply	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
37-39	Sewerage, refuse and remediation services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41-43	Construction and construction works	24	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	Wholesale & retail trade/repair of vehicles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
46	Wholesale trade	-	7	292	14	5	0	2	243	46	447	10	19	3	11	
47	Retail trade	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	Land transport services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50	Water transport services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
51	Air transport services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52	Warehousing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
53	Postal and courier services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
55-56	Accommodation and food & beverage services	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
58-60	Publishing, film and broadcasting services	-	-	7	-	-	0	24	159	-	-	-	-	-	344	
61	Telecommunications services	-	-	-	-	-	-	-	40	-	-	-	-	-	-	
62-63	Computer consultancy; data processing	-	-	16	-	-	-	24	344	-	-	-	-	-	743	
64	Financial intermediation services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66	Other financial activities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
68	Real estate services	-	-	47	-	-	-	-	-	-	-	-	-	-	-	
69-70	Legal and accounting services; mgt consultancy	-	-	-	-	-	-	-	171	2	-	-	-	-	-	
71	Architectural and engineering services	-	-	-	-	-	-	-	46	-	0	-	3	-	-	
72	Scientific research and development services	-	-	70	-	-	-	23	166	19	3	-	-	-	-	
73	Advertising and market research services	-	-	32	-	-	-	-	43	-	3	-	-	-	-	
74-75	Other professional, scientific services	-	-	148	-	-	58	6	263	36	312	-	101	-	11	
77	Rental and leasing services	-	-	388	-	3	-	-	360	25	651	-	-	39	350	
78	Employment services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
79	Travel and tourism service activities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80-82	Security, office & business support services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
84	Public administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
85	Education services	-	-	-	-	-	-	0	-	-	-	-	-	-	-	
86-88	Human health and social work services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
90-92	Cultural, arts and gambling activities	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
93	Recreation and sports activities	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
94	Membership organisation services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	Repair of consumer goods	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96	Other personal service activities	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
97	Private households with employed persons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total output by industry (= last row of Table 2)	8,608	1,069	23,693	410	729	434	1,112	13,405	11,344	32,076	1,311	1,090	668	1,828	

Deflating Supply table columns

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

Table 2  
2013 Use Table at purchasers' prices €m

	Industries	1-3	5-9	10-12	13-15	16	17	18	19,31,32	20	21	22	23	24	25	26
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Food & beverages	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	Other non-metallic mineral products	Fabricated metal products	Computer, electronic & optical products	
NACE	Products															
1-3	Agriculture, forestry and fishing	2,351	0	4,619	1	183	0	0	1	22	16	0	0	-	0	0
5-9	Mining, quarrying and extraction	68	105	89	1	1	1	2	2,238	79	63	3	209	166	6	31
10-12	Food & beverages and tobacco products	1,769	0	5,056	0	0	1	0	0	145	109	3	0	-	0	6
13-15	Textiles, wearing apparel and leather products	19	0	0	130	1	1	4	55	13	10	1	1	0	0	10
16	Wood and wood products (excl furniture)	3	0	24	0	133	1	1	339	4	3	14	3	0	6	1
17	Pulp, paper and paper products	12	0	229	6	6	117	31	67	39	9	9	13	1	10	26
18	Printed matter and recorded media	2	0	6	0	0	3	238	3	29	22	0	0	0	1	5
19,31,32	Petroleum; furniture; other manufacturing	386	28	257	5	11	5	7	796	109	54	66	66	61	88	206
20	Chemicals and chemical products	554	11	291	31	40	20	64	57	3,565	131	127	26	40	28	436
21	Basic pharmaceutical products	182	0	-	-	-	-	-	-	-	4,297	10	-	0	1	-
22	Rubber and plastics	24	1	355	1	1	3	1	83	58	188	253	3	0	10	105
23	Other non-metallic mineral products	12	12	44	0	0	0	2	201	17	13	14	250	0	15	3
24	Basic metals	17	1	116	1	12	1	3	287	49	37	73	42	47	458	133
25	Fabricated metal products	18	6	117	2	10	2	4	258	75	57	62	12	7	198	128
26	Computer, electronic & optical products	9	0	0	0	1	0	1	204	15	11	1	0	0	1	2,962
27	Electrical equipment	7	0	38	0	0	1	0	33	22	17	1	1	0	4	169
28	Machinery and equipment n.e.c.	8	11	82	3	10	2	6	78	84	64	22	16	8	104	710
29	Motor vehicles, trailers and semi-trailers	9	0	1	0	1	0	0	204	2	2	0	0	0	0	71
30	Other transport equipment	5	7	1	0	1	0	0	199	2	2	0	0	0	0	1
33	Repair/installation of machinery & equipment	140	1	20	0	1	0	1	48	7	5	12	2	1	13	26
35	Electricity and gas supply	251	37	279	9	36	5	19	115	165	65	34	35	17	43	35
36	Water collection, treatment and supply	6	0	15	1	1	0	3	9	5	5	1	1	2	2	10
37-39	Sewerage, refuse and remediation services	5	1	20	0	1	1	1	12	5	3	12	1	30	3	3
41-43	Construction and construction works	67	13	63	3	10	4	7	121	28	11	3	11	8	10	46
45	Wholesale & retail trade/repair of vehicles	26	2	11	0	1	0	10	15	8	5	1	2	1	5	17
46	Wholesale trade	99	1	928	8	22	0	0	5	366	121	0	0	0	0	1,270
47	Retail trade	28	1	19	8	11	0	0	4	55	37	0	0	0	0	0
49	Land transport services	19	16	131	5	36	7	3	26	3	1	18	45	1	14	49
50	Water transport services	3	1	22	0	1	0	0	2	1	0	1	3	0	1	10
51	Air transport services	1	8	191	3	-	4	8	45	33	26	18	31	5	11	46
52	Warehousing	4	0	30	0	0	0	0	2	3	1	2	2	0	1	26
53	Postal and courier services	4	2	5	1	1	1	2	4	3	1	1	1	1	3	1
55-56	Accommodation and food & beverage services	4	2	53	4	4	2	5	28	12	12	6	4	1	9	13
58-60	Publishing, film and broadcasting services	2	6	135	6	6	9	51	57	64	192	13	10	2	38	37
61	Telecommunications services	41	2	93	2	2	1	3	40	12	19	5	4	1	6	12
62-63	Computer consultancy; data processing	2	0	0	0	0	0	0	0	2	2	0	0	0	0	10
64	Financial intermediation services	67	5	165	8	9	13	12	76	42	71	19	14	3	30	85
65	Insurance, reinsurance and pension funding	51	4	113	6	6	3	8	98	19	12	13	9	2	14	29
66	Other financial activities	0	2	41	2	2	1	3	36	10	20	5	3	1	5	11
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
71	Architectural and engineering services	2	1	16	2	2	1	2	14	8	10	4	3	0	4	8
72	Scientific research and development services	16	0	20	0	1	0	64	172	658	1,868	4	2	1	4	128
73	Advertising and market research services	5	7	1,377	3	3	6	107	138	68	730	7	5	1	15	1
74-75	Other professional, scientific services	74	0	6	0	0	0	1	6	2	2	1	1	0	1	2
77	Rental and leasing services	17	13	243	1	3	1	34	2,758	1,974	11,523	5	21	2	18	1,235
78	Employment services	3	0	41	0	0	2	6	42	6	9	4	0	1	1	18
79	Travel and tourism service activities	2	0	8	1	1	0	1	6	2	2	2	1	0	2	2
80-82	Security, office & business support services	3	1	24	1	1	1	2	21	6	8	3	2	0	3	6
84	Public administration	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85	Education services	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86-88	Human health and social work services	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90-92	Cultural, arts and gambling activities	2	0	10	1	1	0	1	9	3	3	1	1	0	1	3
93	Recreation and sports activities	2	0	9	0	0	0	1	8	2	3	1	1	0	1	2
94	Membership organisation services	15	0	11	1	1	0	1	10	3	4	1	1	0	1	3
95	Repair of consumer goods	0	0	2	0	0	0	0	1	0	1	0	0	0	0	0
96	Other personal service activities	5	0	5	0	0	0	1	8	2	3	1	1	0	1	2
97	Private households with employed persons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	690	294	1,900	78	97	157	249	1,741	562	1,449	279	368	199	391	1,042
	Operating surplus, net	2,389	26	5,357	28	9	32	81	2,107	2,497	8,185	81	12	21	165	1,164
	Consumption of fixed capital	772	412	492	27	43	15	50	443	293	2,340	70	134	30	62	748
	Net taxes (taxes less subsidies) on production	-1,688	18	100	15	2	3	7	16	9	60	15	14	5	14	43
	Gross value added at basic prices	2,163	750	7,849	148	150	207	386	4,307	3,361	12,034	446	526	255	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

Deflating Use table columns

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



Exploratory Supply & Use Tables at previous year prices

## 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 added' (changes in ratios of inputs to outputs, within inputs...)
- This is because the ratio of **Output** to **Intermediate consumption** and **Output** to **Value added** can change significantly year-on-year



## 5. 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



# Exploratory Supply & Use Tables at previous year prices

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

Aggregate	2011 to 2012 % Volume changes		
	Estimate based on Unbalanced Supply and Use table in PYP	Estimate based on Balanced <sup>1</sup> Supply and Use table in PYP	Estimate as published in NIE14 <sup>2</sup>
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	-1.4		0.9
Imports of goods and services	4.1		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.





# Exploratory Supply & Use Tables at previous year prices

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

Aggregate	2012 to 2013 % Volume changes		
	Estimate based on Unbalanced Supply and Use table in PYP	Estimate based on Balanced <sup>1</sup> Supply and Use table in PYP	Estimate as published in NIE15 <sup>2</sup>
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		-0.6
Imports of goods and services	0.2		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>



## 6. 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?