

# Supply & Use Tables & Language & Use Tables & Language & Language

User guide

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

Also see accompanying 'Explanatory note'



#### **Contents**

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



# **Contents - continued**

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



#### **Contents**

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# Supply & Use Tables and Input-Output Tables

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



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# Supply & Use Tables and Input-Output Tables

Supply &

Use 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)
  Intermediate
- 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)
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- Table 10 Symmetric Input-Output Table of imported product flows (product by product)
- Table 11 Coefficients of domestic product flows (product by product)
- Leontief Table 12 The Leontief inverse of domestic flows with multipliers for other inputs (product by product)
- Table 13 Supply Table at previous year prices (product by industry)
- Table 14 Use Table at previous year prices (product by industry)

**PYP Supply** 

tables

& Use tables

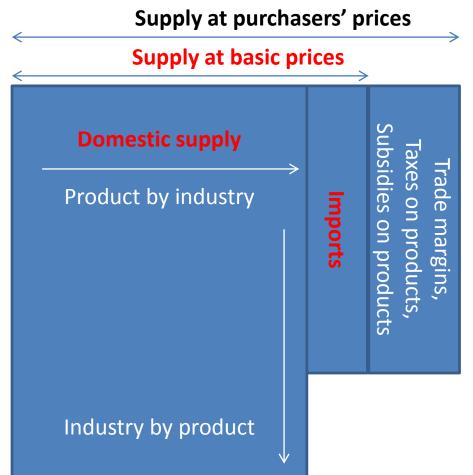
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15   Manufacture of Isabers and Isabers	_				-	-	-	-		1 81					-	-	0	-	-	10
1	15	Manufacture	of leather and related products		-	-	-	-	-		34				-		_		-	-
18				ture)	7	-	-	-	2	-	= .				0	4		0	_	0
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13.13		·										31,32	furniture, other manufacturing					_	0	0
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And Manufacture of Saci Contago and Part Confession and Confession					-	148	-	-	0	-	-						8 8	0	0	0
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Separation   Sep					-	-	-	-	1	-						1 15	0 1	0	0	0
Secretary and gas supply   S		Manufacture	of motor vehicles, trailers, other transport eq	quipment	-	-	-	-	-	-	- 1	35	Electricity and gas supply	246				3	0	0
As					- 5	-	-	2	2	-						-		•	0	0
A	36	Water collec			-	-	-	-	-	-	- 1	41-43	Construction and construction works					1	0	0
Modes and retail trade and repair of vehicles   3 1 49 106   9 2   5   5   5   7   7   7   7   7   7   7					- 20	-	-	-	-	-					1			-	-	-
Molecular trade   3 1,40   106   9 2   5   50   Mater transport services   1 8   112   15 2 0 0 0 0					-	-	-	-	-	-	-				-	-		5	-	-
Age   Land transport services   1			rade		-	3	149	106	9	2	- 1			7			3	0	0	0
59   Water transport services   1			ort services		-	-	-	-	-	-				1	8		61	2	0	0
Second and Deverage services   3					-	-	-	-	-	-	- 1	53		4	-	10	-	-	-	-
53   Postal and courier services					-	-	-	-	-	-				1 3	-	13	5 11	1	0	0
Food and beverage services	53	Postal and co			-	-	-	-	-	-	- 1	58-60	Publishing, film and broadcasting services				47	4	1	0
Section   Sect					14		-	-	-	-	-							0	-	-
Computer programming, consultancy and data processing   38   38   4   4   4   5   6   6   6   6   6   6   6   6   3   1   0   0   0   0   0   0   0   0   0	58-60	D Publishing, f	ilm and broadcasting services		-	-	18	-	-	-	- 1	64	Financial service activities				35	6	1	1
Financial service activities   Financial services and pension funding   Financial services and pension funding   Financial services					-	-	- 38	-	-	-					4		9	1	0	0
Head office and management consultancy activities   1	64	Financial ser	vice activities		-	-	-	-	-	-	- 1				_	6	3	1	0	0
Real estate activities					-	-	-	-	-	-						294	14	2	1	0
Legal and accounting activities   1	68	Real estate a	activities		-	-	-	-	-	-	= 1				_			1 2	0	0
Architectural and engineering services  Architectural and engineering services  Architectural and engineering services  Scientific research and development services  Scientific research and sevices support activities  Scientific research and service activities  Scientific result assert search and service activities					-	-	-	-	-	-		73-75	Advertising, market research, other professional & scientific servi	es 88				2	2	0
Advertising, market research, other professional & scientific services  7 Rental and leasing activities  8 Employment services  7 Travel agency and tourism service activities  8 Employment services  8 Everyth, office and business support activities  9 Everyth, office and business support activities  1 1 2	71	Architectura	l and engineering services		-	-	-	-	-	-	=						239 8	4 6	1 0	0 -
Rental and leasing activities				ficsanicas	-	-		- 12	-	-	= .			3	1	5	3	1	0	0
Travel agency and tourism service activities   Security, office and business support activities   Security	77	Rental and le		iic scivices	-	-			-	-	- 1			3	-	- 20	-	1	-	-
80-82 Security, office and business support activities 80-82 Security, office and business support activities 90-92 Cultural, arts and gambling activities 80-82 Security, office and business support activities 80-82 Security, office and business support activities 81-1-1-8-2-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0					-	-	-	-	-	-	= .			1	-	-	-	-	-	-
Reference   Foundation   Foun					-	-	-	-	-	-			Cultural, arts and gambling activities	1	1	8	2	0	0	0
86-88 Human health and social work activities 99-0-12 Cultural, arts and gambling activities 99-0-12 Cultural, arts and					-	-	-	-	-	-	= ;			_	1	7	2	0	0	0
90-92 Cultural, arts and gambling activities 9 96 Other personal service activities 9 97 Private households with employed persons					-	-	-	-	-	-	= .	95	Repair of consumer goods		0	1	0	0	0	0
Federal and sports a composition and sports a composition of the properties of the		2 Cultural, arts	and gambling activities		2	-	-	-	-	-				7	1	4	2	0	0	0
Sepair of Consumer goods   Sepair of Compensation of Employees   Sep					- 9	-	-	=	-	-			Total intermediate consumption							
So   Uther personal service activities   1	95	Repair of cor	nsumer goods			-	-	-	-	-	= 1			655						-
Total output by industry (= last row of Table 2) 8,530 914 23,770 3,411 260 84 36 (Fee Sacratical Control of Table 2) 8,530 914 23,770 3,411 260 84 36 (Fee Sacratical Control of Table 2) 1,530 1,332 97 5,50 1,332						-	-	-	-	-	= .		Consumption of fixed capital		361	463	89	18	12	6
					8,530	914	23,770	3,411	260	84	36		Gross value added at basic prices	2,450		7,590		97		17
						•							Output at basic prices ( = last row of Table 1)	8,530	914	23,770	3,411	260	84	36

Total Output by industry

Total Intermediate consumption & GVA by industry

# Supply & Use Tables and Input-Output Tables

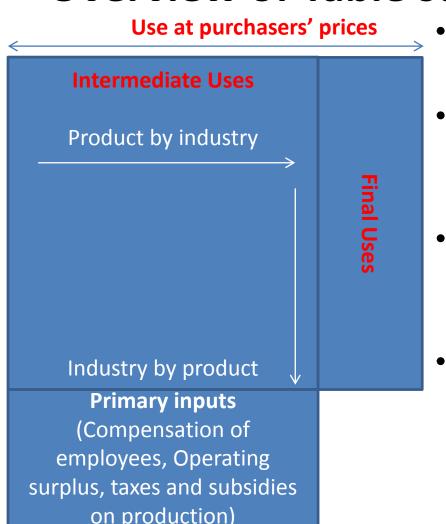
# Overview of Table structure - Supply table



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

# 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 consistency with the N.I.E.

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# Consistency with NIE using 3 GDP methods

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

#### 2015 Supply Table – Table 1 (published 2018)

Γ	Industries	P- F	<b>.</b> ,				
		fotal domestic	Imports c.i.f. (cost, insurance & freight indusive)	rade margins	faxes on products	Subsidies on products	Total supply at purchasers' prices (=
IACE /	Products		_= .= .=			S G	F □ ₽
	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
	Mining, quarrying and extraction	888	3,151	411	127	-	4,577
	Manufacture of food products Manufacture of beverages and tobacco products	20,841 3,068	6,408 1,006	6,679 1,442	175 3.260	-	34,103 8,777
	Manufacture of beverages and tobacco products  Manufacture of textiles	273	481	210	3,200 88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
	Manufacture of leather and related products	35	609	100	121	-	864
	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
1	Manufacture of pulp, paper and paper products Printing and reproduction of recorded media	456 1,011	1,090 204	130 822	157 55	-	1,833 2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,	1,011	204	022	33		2,032
5,28,	electronic & optical products, machinery and equipment n.e.c.,						
	furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,781
	Manufacture of chemicals and chemical products	26,081 1,687	9,061 1,858	899 229	251 160	-	36,291 3,934
	Manufacture of rubber and plastic products  Manufacture of other non-metallic mineral products	1,587	633	338	160 59		2,610
	Manufacture of other non-metallic nimeral products  Manufacture of basic metals	830	1,335	497	1	-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
	Repair and installation of machinery and equipment Electricity and gas supply	1,119 6.225	74	19 58	18 385	-	1,156 6.742
	Water collection, treatment and supply	267	-	3	121	-	391
	Sewerage, waste collection and remediation services	1,713	О	21	82	-	1,816
1-43	Construction and construction works	17,418	=.	=.	2,342	-	19,760
	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,221
	Wholesale trade Retail trade	33,558 10.748	27,277	-18,683 -10,492	23 10	-	42,176 267
	Land transport services	4.571	169	-10,492	30	-76	4,694
	Water transport services	593	180	_	0	-70	773
	Air transport services	5,280	1,130	-	2	-	6,412
	Warehousing	2,302	63	-	3	-19	2,349
	Postal and courier services	1,467	411	=-	62	-	1,940
	Accommodation services Food and beverage services	1,770 5.427	1,285 115	_	316 1,088	-	3,37: 6.630
	Publishing, film and broadcasting services	20,048	1,725	=-	179	_	21,952
	Telecommunications services	3,823	1,087	-	370	-	5,280
	Computer programming, consultancy and data processing	58,936	1,189	=	157	-	60,282
	Financial service activities	21,214	11,159	=	96	-	32,469
	Insurance, reinsurance and pension funding Other financial activities	14,531 6.650	7,289 591	-	540 463	-	22,360 7,703
	Real estate activities	19.402	391	_	213	-	19,615
	Legal and accounting activities	5,437	63	=	314	-3	5,811
	Head office and management consultancy activities	4,073	1,520	=	27	-	5,621
	Architectural and engineering services	2,151	69	=	11	-	2,231
	Scientific research and development services	3,786	27,077	=	0	-	30,863
	Advertising, market research, other professional & scientific services Rental and leasing activities	9,070 20.354	13,785 63,903	-	369 456		23,224 84.713
	Employment services	1,710	-	=-	18	_	1,728
	Travel agency and tourism service activities	548	-	-	45	-	593
	Security, office and business support activities	3,354	-	-	44	-	3,397
	Public administration	12,946	28	-	31		13,005
	Education services Human health and social work activities	10,384 18.351	16	-	4 7	-385 -364	10,003 18,009
	Cultural, arts and gambling activities	1,293	370	_	1	-304	1,664
	Recreation and sports activities	1,143	54	-	43	-	1,24
94	Membership organisation services	2,263	-	-	1	-	2,264
	Repair of consumer goods	182	-	-	14	-	196
	Other personal service activities	1,510 53	25	-	130	-	1,665
	Private households with employed persons Total output by industry (= last row of Table 2)	521,486	40,280	0	19,764	-893	780,638
L	. I I I I I I I I I I I I I I I I I I I	522,700		Cif/fob adju			-206
				Expenditure			4,812
				Imports f.o.		Total	785,243

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

of all industries & products was €521,486 million in the Supply Table (Table 1 of the 2018 publication).

Use Table – Table 2

	Industries	•		<u> </u>						
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11 54	554	2,029	7,598 743	8,777
	Manufacture of textiles Manufacture of wearing apparel	309 485	392 3,087	-	-	0	24 489	272 84	3,660	1,052 4,144
	Manufacture of leather and related products	119	609		-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	_	_	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,									
	electronic & optical products, machinery and equipment n.e.c.,									
31,32 20	furniture, other manufacturing	27,283 8,798	8,645 1,259	-	1,972	10,521	1,459 358	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products  Manufacture of rubber and plastic products	2,176	1,259 549	-	-	1,576 27	358 69	24,300 1,113	27,494 1,758	36,291 3,934
23	Manufacture of other non-metallic mineral products	1.852	217	-	-	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	_	_	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	_	_	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	_	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36 37-39	Water collection, treatment and supply	90 995	256 541	-	43 240	- 5	2 34	-	301 821	391 1,816
41-43	Sewerage, waste collection and remediation services Construction and construction works	6,439	657	-	240	12,665	34	-	13,322	1,816
45	Wholesale and retail trade and repair of vehicles	975	246		-	0		-	246	1,221
46	Wholesale trade	12,334	462	_	_	651	_	28,728	29,842	42,176
47	Retail trade	159	88	_	_	21	-	-	108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53 55	Postal and courier services	994 438	396	-	-	0	-	550 364	946 2.932	1,940 3,371
55	Accommodation services Food and beverage services	438 580	2,567 5,672	-	-	0	-	364 378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901		178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	_	60	15	_	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
	Real estate activities Legal and accounting activities	3,565 4,875	14,792 219	-	979	279 717	-	-	16,050 936	19,615 5,811
	Head office and management consultancy activities	4,009	219	-	-	218	-	1,394	1,612	5,621
	Architectural and engineering services	1,552	15			421		243	679	2,231
	Scientific research and development services	17,549	-	_	193	9,356	_	3,765	13,314	30,863
	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82 84	Security, office and business support activities	3,153	59 508	-	10.745	185 317	-	36	244	3,397
84 85	Public administration Education services	1,399 1,471	2,359	-	5,593	581	-	36	11,606 8,533	13,005 10,003
	Human health and social work activities	1,681	3,523	1,130	11.247	33		395	16,328	18,009
	Cultural, arts and gambling activities	420	865	-,	,	204	_	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	277.004	53	4 704			- 4424	247.424	53	53
	Total intermediate consumption Compensation of Employees	277,891 77.649	84,073	1,701	32,238 Cif/fob.ad	63,469 justments o	4,134	317,131 -206	502,746 - <i>206</i>	780,638 -206
	Operating surplus, net	108,771	4,812	Expenditur			exports	-200	4,812	4,812
	Consumption of fixed capital	56,499		Expenditur				3,640	-,,012	-,012
	Net taxes (taxes less subsidies) on production	6/6			,		s per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595								
	Output at basic prices ( = last row of Table 1)	E21 496								

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

For 2015, we can calculate GVA at basic prices as:

Output €521.486 billion – Intermediate consumption €277.891 billion = €243.595

billion

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

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

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

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

Gross Value Added at basic prices (GVA)

=

NIE Item 51

€243,595 million in 2015

=

Output method
Output €521.486
billion –
Intermediate
consumption
€277.891 billion
= €243.595 billion



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

# **Consistency with NIE - GVA and GDP**

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

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

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

Gross Value Added at basic prices (GVA)

= NIE Item 51 =

€243,595 million in 2015 plus Product taxes

= NIE Item 52 =

€19,764 million minus

Product subsidies

= NIE Item 53 =

€0.893 billion

Gross domestic product (GDP)

= NIE Item 54 =

€262.466 billion

#### 2015 Supply Table – Table 1 (published 2018)

	Industries	P- F	- <b>,</b>			•	
		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 1-3	Products Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633
5-9	Mining, quarrying and extraction	888	3,151	411	127	-43	4,577
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,777
13	Manufacture of textiles	273	481	210	88 471	~	1,052
14 15	Manufacture of wearing apparel Manufacture of leather and related products	86 35	1,903 609	1,684 100	121	-	4,144 864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18	Printing and reproduction of recorded media	1,011	204	822	55	~	2,092
19,21, 26,28,	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,						
31,32	furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,781
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,291
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,934
23 24	Manufacture of other non-metallic mineral products Manufacture of basic metals	1,581 830	633 1,335	338 497	59 1	-	2,610 2,662
25	Manufacture of basic metals  Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
33 35	Repair and installation of machinery and equipment	1,119	74	19 58	18 385	-	1,156
35	Electricity and gas supply Water collection, treatment and supply	6,225 267	/4	58 3	385 121	-	6,742 391
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-	1,816
41-43	Construction and construction works	17,418	-	-	2,342	-	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,221
46 47	Wholesale trade Retail trade	33,558 10,748	27,277	-18,683 -10,492	23 10	-	42,176 267
49	Land transport services	4,571	169	-10,492	30	-76	4,694
50	Water transport services	593	180	-	0	-	773
51	Air transport services	5,280	1,130	-	2	-	6,412
52 53	Warehousing Postal and courier services	2,302 1,467	63 411	=	3 62	-19	2,349 1,940
55	Accommodation services	1,770	1.285	_	316	-	3,371
56	Food and beverage services	5,427	115	_	1,088	-	6,630
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,952
61	Telecommunications services	3,823	1,087	=	370	-	5,280
62-63 64	Computer programming, consultancy and data processing Financial service activities	58,936 21,214	1,189 11,159	_	157 96	-	60,282 32,469
65	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
66	Other financial activities	6,650	591	-	463	-	7,703
68	Real estate activities	19,402	-	-	213	-	19,615
69 70	Legal and accounting activities Head office and management consultancy activities	5,437 4,073	63 1.520	-	314 27	-3	5,811 5.621
71	Architectural and engineering services	2,151	69	=	11	-	2,231
72	Scientific research and development services	3,786	27,077	=	0	-	30,863
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	=	369	-	23,224
77 78	Rental and leasing activities Employment services	20,354 1,710	63,903	=	456 18	-	84,713 1,728
79	Travel agency and tourism service activities	548	_	_	45	-	593
80-82	Security, office and business support activities	3,354	-	_	44	-	3,397
84	Public administration	12,946	28	-	31	-	13,005
85	Education services	10,384	- 16	-	4 7	-385	10,003
86-88 90-92	Human health and social work activities Cultural, arts and gambling activities	18,351 1,293	16 370	-	1	-364	18,009 1,664
93	Recreation and sports activities	1,143	54	_	43	-	1,241
94	Membership organisation services	2,263	-	-	1	-	2,264
95	Repair of consumer goods	182	-	-	14	-	196
96 97	Other personal service activities Private households with employed persons	1,510 53	25		120		1,665 53
97	Total output by industry (= last row of Table 2)	521,486	240,280	6	19,764	-893	780,638
	. , , , ,	,	-206	Cif/fob a liu	istments on		-206
				Expenditure		State	4,812
			244,886	Imports f.o.	υ. per NIE	Total	785,243

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

#### 2015 Use Table - Table 2 (published 2018)

NACE   Products		Industries	ıZU	JLD		<u>se</u>	Idk	ЛС		du	JIE .
1-33   Agriculture, Froestry and fishing   7,660   3,450   446   8   805   246   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   11,631   13,937   1			Total inter-industry	Final consumption of h'holds, excl govt transfers		otion		S	o.b.		se ni ylddns
1-99   Maning quarrying and extraction											
10											
Start   Star											
131   Manufacture of textiles   300   302					_	-					
141   Manufacture of leather and related products   130   609   - 0   104   33   776   864   1366   1364				-,	_	-				,	
15	14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	
17	15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
138				-	-	-					
19.11   Manufacture of refined petroleum, basic pharmaceutical, computer, 26.28   electronic So goltal products machinery and equipment n.e. (. )   13.13   Iurniture, other manufacturing   13.14			,		-	-					,
Section   Sect			1,121	245	-	-	8	-32	750	972	2,092
13,13   furniture, other manufacturing											
Description			27,283	8,645	_	1,972	10,521	1,459	111,901	134,497	161,781
Maunfacture of other non-metallic mineral products	20				_	-					
Abundacture of basic metals	22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
Description   1,751   302   - 181   33   1,585   2,120   3,871   2,200   4,000   4,000   2,256   - 12,158   397   373   16,804   19,600   3,608   3,	23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12			758	
279   Manufacture of electrical equipment   1,775   301   - 3.39   207   1,046   1,893   3,668   3,8					-	-					
29-30   Manufacture of motor wehicles, trailers, other transport equipment   2,806   3,876   - 12,158   397   373   16,804   19,609   38   Repair and installation of mechinery and equipment   4,209   2,256   143   5   96   33   2,533   6,742   30   37-39   58   6,742   30   30   391   37-39   39   39   39   39   39   39   39				-	-	-					
Repair and installation of machinery and equipment   1,101					-						
Secreticity and gas supply				-,			,		3/3		
36   Water collection, treatment and supply   90   256   - 43   - 2   - 301   391     37-39   Swerage, waste collection and remediation services   995   541   - 240   5   34   - 2   - 27   19,700     54   Wholesale rander and construction works   6,439   657   - 12,665   - 0   - 12,322   19,700     54   Wholesale rander and repair of whicles   12,334   462   - 6651   - 28,728   29,842   42,176     54   Retail trade   159   88   - 21   - 1   - 108   22,667     54   Land transport services   2,188   2,103   - 248   0   - 154   2,506   4,694     55   Water transport services   399   97   -				_		143			33		
37-39   Sewerage, waste collection and remediation services   995   541   . 240   5   34   .   821   1,816     41-43   Construction and construction works   6,439   657					_	43			-		
45   Wholesale and retail trade and repair of vehicles   975   246   0   -   246   1,221     46   Wholesale trade   12,334   462   - 651   28,728   29,842   42,176     47   Retail trade   1,234   462   - 651   28,728   29,842   42,176     48   All trade   1,234   462   - 651   - 28,728   29,842   42,176     49   All and transport services   399   97     - 3,781   5,112     51   Warehousing   1,302   1,331   -   -   - 3,781   5,112     52   Warehousing   1,972   327   - 1   - 50   378   2,349     53   Apottanda courier services   994   396   - 0   0   550   946   1,940     55   Accommodation services   438   2,567   - 0   0   364   2,932   3,371     55   Food and bewerage services   580   5,672   - 0   0   378   6,051     56   Food and bewerage services   5,801   5,672   - 0   0   378   6,051     57   Sood and bewerage services   2,517   901   - 178   3,505   - 14,851   19,435   2,1952     62   Gammoutactions services   2,217   901   - 178   3,505   - 14,851   19,435   2,1952     63   Computer programming, consultancy and data processing   11,405   2269   - 8,372   - 40,225   48,876   60,225     64   Financial service activities   1,583   1,599   - 8,372   - 40,225   48,876   60,225     65   Computer programming, consultancy and data processing   1,405   2269   - 8,372   - 40,225   48,976   60,225     66   Other financial activities   5,433   412   - 4   1,644   2,707   703   32,185     67   Gammout activities   3,565   1,735   587   9   10,664   12,995   22,860     68   Real state activities   3,565   1,725   - 9,703   2,719   16,060   19,615     70   Head office and management consultancy activities   4,875   219   - 7,177   996   5,811     71   Nead office and management everices   1,552   15   - 421   4,24   3,397   1,562   3,341     72   Scientific research and development services   1,570   - 6   193   9,356   3,765   3,314   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,0863   3,			995	541	-	240	5	34	-	821	1,816
46   Mholesale trade	41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
AF   Retail trade   159	45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-		1,221
49   Land transport services   2,188   2,103   - 248   0   - 154   2,506   4,694			,_,		-	-		-	28,728		, ,
Mater transport services					-	-		-	-		-
Air transport services			,	,	-	248	0	-	_	,	,
S2							-				
53   Postal and courier services   994   396   - 0   0   550   946   1,940						_	1	_			
Security   Accommodation services   Ass   2,567   - 0   - 364   2,932   3,371			, -		-	-		-			
Second   Publishing, film and broadcasting services   2,517   901   178   3,505   14,851   19,435   21,952	55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
Felecommunications services   2,062   2,444   - 60   15   - 700   3,218   5,280	56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
62-63   Computer programming, consultancy and data processing   11,405   269   - 8,372   40,235   48,876   60,282   64   Financial service activities   15,881   1,599   8,000   - 14,969   16,568   32,469   65   Insurance, reinsurance and pension funding   9,365   1,735   - 587   9   - 10,664   12,995   22,360   66   0ther financial activities   5,433   412   14   - 1,844   2,270   7,703   68   Real estate activities   3,365   14,792   - 979   279     16,050   19,615   69   Legal and accounting activities   4,875   219   717     936   5,811   70   Head office and management consultancy activities   4,009   218   - 1,394   1,612   5,621   71   Architectural and engineering services   1,552   15   421   - 243   679   2,231   72   50   40   40   40   40   40   40   40					-			-			
Financial service activities   15,881   1,599   - 20   - 14,969   16,588   32,469   16,000					-			-			
66   Insurance, reinsurance and pension funding   9,365   1,735   - 587   9   - 10,664   12,995   22,360     Cother financial activities   5,433   412   - 14   1,844   2,270   7,703     Real estate activities   3,565   14,792   - 979   279   - 16,050   19,615     Geg legal and accounting activities   4,875   219   - 717   - 1   936   5,811     To Head office and management consultancy activities   4,875   219   - 717   - 1   936   5,811     To Head office and management consultancy activities   4,875   219   - 717   - 243   679   2,231     To Architectural and engineering services   1,552   15   - 421   - 243   679   2,231     To Scientific research and development services   15,572   15   - 193   9,356   - 3,765   13,314   30,863     To Tarvet research, other professional & scientific services   16,070   220   - 582   - 6,352   7,154   23,247     To Rental and leasing activities   63,831   917   - 6   6   19,958   20,882   84,713     Remployment services   1,670   56   - 2   2   - 58   1,728     To Tarvet agency and tourism service activities   3,153   59   - 185   - 244   3,397     To Tarvet agency and tourism service activities   3,153   59   - 185   - 244   3,397     To Tarvet agency and tourism service activities   3,153   59   - 185   - 244   3,397     Public administration   1,399   508   10,745   317   - 36   11,606   13,000     Se-88 Human health and social work activities   1,681   3,523   1,130   11,247   33   - 395   16,328   18,009     Poy-92 Cultrular, arts and gambling activities   420   865   - 204   - 175   1,244   1,664     Recreation and sports activities   502   551   - 0   0   - 188   738   1,241     Membership organisation services   571   1,122   571   - 0   - 1   696   3   1,665     Poy Private households with employed persons   - 53     - 53   53   1,655     Total intermediate consumption   77,649   - 1   67/100 adjustments on exports   - 206   -20			,		-	-	-,-	-			
Commercial activities			-,	,	-	- 507		-			
68         Real estate activities         3,565         14,792         - 979         279         - 16,050         19,615           69         Legal and accounting activities         4,875         219         218         - 1,096         5,811           70         Head office and management consultancy activities         4,009         218         - 1,394         1,612         5,621           71         Architectural and engineering services         1,552         15         421         - 243         679         2,231           72         Scientific research and development services         17,549         193         9,356         - 3,765         13,314         30,863           73-75         Advertising, market research, other professional & scientific services         16,070         220         582         - 6,352         7,154         32,224           78         Employment services         1,670         56         2         - 58         1,228           79         Travel agency and tourism service activities         201         390         185         24         392         593           80-82         Security, office and business support activities         3,153         59         - 1,675         317         - 36         11,6						- 367		-			
Legal and accounting activities					_	979		-			
Architectural and engineering services					-	-	717	-	-		
Scientific research and development services   17,549   2-	70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
73-75   Advertising, market research, other professional & scientific services   16,070   220   - 582   - 6,352   7,154   23,224   77   Rental and leasing activities   63,831   917   - 6   - 19,958   20,882   84,713   78   Employment services   1,670   56   - 2   2   - 58   1,728   79   Travel agency and tourism service activities   201   390   - 1   1   - 392   593   593   80-82   Security, office and business support activities   3,153   59   - 10,745   317   - 36   11,606   13,005   85   Education services   1,471   2,359   - 5,593   581   - 8,533   10,003   86-88   Human health and social work activities   1,681   3,523   1,130   11,247   33   - 395   16,328   18,009   90-92   Cultural, arts and gambling activities   420   865   - 204   - 175   1,244   1,664   93   Recreation and sports activities   502   551   - 0   0   - 188   738   1,241   1,664   94   Membership organisation services   571   1,122   571   - 0   45   1,693   2,264   95   Repair of consumer goods   150   45   - 0   45   1,693   2,264   96   Other personal service activities   702   963   0   5   53   53   70   1,605   70   967   Prize households with employed persons   - 53   5   53   53   53   70   70   7,649   7,				15	-			-	-		
Rental and leasing activities					-	193	.,	-			
Table   Employment services   1,670   56   -   -   2   -   -   58   1,728				_	-	-		-			
Travel agency and tourism service activities   201   390   1     392   593   80-82   Security, office and business support activities   3,153   59   -   185   -   -   244   3,397   84   Public administration   1,399   508   - 10,745   317   - 36   11,606   13,005   85   Education services   1,471   2,359   -   5,593   581   -   -   8,533   10,003   86-88   Human health and social work activities   1,681   3,523   1,130   11,247   33   -   395   16,328   18,009   90-92   Cultural, arts and gambling activities   420   865   -   -   204   -   175   1,244   1,664   93   Recreation and sports activities   502   551   -   0   -   188   738   1,241   1,664   94   Membership organisation services   571   1,122   571   -   0   -   1,693   2,264   95   Repair of consumer goods   150   45   -   0   -   -   45   196   96   Other personal service activities   702   963   -   0   -   -   963   1,665   97   Private households with employed persons   -   53   53   53   53   53   53   53					-	-		-	19,958		
80-82   Security, office and business support activities   3,153   59   -   185   -   244   3,397     84		· ·	,		-	-		-	-		
Reduction services   1,399   508   - 10,745   317   - 36   11,606   13,005   85   Education services   1,471   2,359   - 5,593   581   8,533   10,003   86-88   Human health and social work activities   1,681   3,523   1,130   11,247   33   - 395   16,328   18,009   90-92   Cultural, arts and gambling activities   420   865   204   - 175   1,244   1,664   1,644			-		_	_	_	_	-		
Education services			-,		-	10,745		-	36		-,
90-92   Cultural, arts and gambling activities   420   865   - 204   - 175   1,244   1,664     93   Recreation and sports activities   502   551   - 0   - 188   738   1,241     94   Membership organisation services   571   1,122   571   - 0   1,693   2,264     95   Repair of consumer goods   150   45   - 0   0   1,693   2,264     96   Other personal service activities   702   963   - 0   0   45   1,965     97   Private households with employed persons   - 53   0   53   53     10tal intermediate consumption   314,901   84,073   1,701   32,238   63,469   4,134   317,131   502,746   780,638     Operating surplus, net   108,771   4,812   Expenditure outside the State   - 4,812   4,812     Consumption of fixed capital   56,499   -3,640   Expenditure by non-residents   3,640	85	Education services		2,359	-	5,593	581	-	-		10,003
93   Recreation and sports activities   502   551   -			,	-,	1,130	11,247		-			
Membership organisation services   571   1,122   571   - 0   - 1,693   2,264     95   Repair of consumer goods   150   45   - 0   - 0   - 45   196     96   Other personal service activities   702   963   - 0   0   - 0   - 963   1,665     97   Private households with employed persons   - 53   - 0   0   - 0   - 53   53     Total intermediate consumption   211,691   84,073   1,701   32,238   63,469   4,134   317,131   502,746   780,685     Operating surplus, net   108,771   4,812   Expenditure outside the State   - 4,812   4,812     Consumption of fixed capital   56,499   -3,640   Expenditure by non-residents   3,640   - 0     Gross value added at basic prices   243,564   345,243   345,355   365,352   385,243     Total (as per NIE)   320,565   507,352   785,243     Total (as per NIE)   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565   320,565					-	-		-			
95 Repair of consumer goods 150 45 - 0 - 45 196 96 Other personal service activities 702 963 - 0 - 963 1,665 97 Private households with employed persons - 53 53 53  Total intermediate consumption 373,901 84,073 1,701 32,238 63,469 4,134 317,131 502,746 780,638  Compensation of Employees 77,649 Operating surplus, net 108,771 4,812 Expenditure outside the State - 4,812 4,812  Consumption of fixed capital 56,499 56,499 1-3,640 Expenditure by non-residents 3,640 5  Wet taxes (taxes less subsidies) on production 6765 340 Expenditure by non-residents 320,565 507,352 785,243						-	-	-	188		
96 Other personal service activities 702 963 0 - 963 1,665 97 Private households with employed persons - 53 0 53 53 53 53 53 53 53 53 53 53 53 53 53					571	-		-	-		
Private households with employed persons				_	-	-		-	-	-	
Total intermediate consumption   323,001   84,073   1,701   32,238   63,469   4,134   317,131   502,746   780,638			702			-	-	-			
Compensation of Employees   77,649   -			277 891		1,701	32,238	63,469	4,134	317,131		
Consumption of fixed capital  Separation of fixed capital  Separative by non-residents  Total (as per NIE)  Separative by non-residents  Total (as per NIE)  3,640  - Consumption of fixed capital  Separative by non-residents  Total (as per NIE)  Total (as per NIE)  320,565  Total (as per NIE)			77,649	-							
Net taxes (taxes less subsidies) on production 676 Total (as per NIE) 320,565 507,352 785,243  Gross value added at basic prices									-	4,812	4,812
Gross value added at basic prices				-3,640	Expenditur	e by non-re				-	-
			676				Total (as	per NIE)	320,565	507,352	785,243
		Gross value added at basic prices Output at basic prices ( = last row of Table 1)	521,486								

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

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

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

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

NIE2017 Table 1 (published July 2018)

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

Net Operating Surplus (NOS)

=

NIE items 1 + 4 + 5 + 6 + 7 + 8 + 12 = 2,553 + 91,990 + 7,528 + -416 + 9,103 + 0 + -1,987

€108,771 million in 2015

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

2015 Use Table - Table 2 (published 2018)

						•	ш			
		fotal 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)	fotal Final uses	Total uses ( = total supply in Table 1)
NACE	Products		ш о т		0 0	O 4=		шо	_	F ~ F
1-3	Agriculture, forestry and fishing	7,696	2,161			129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	2,101		8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608		1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004			11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392			54	24	272	7,338	1,052
14	Manufacture of wearing apparel	485	3,087	_		0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	_	_	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	_	_	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	_	_	-	29	250	665	1,833
18	Printing and reproduction of recorded media	1,121	245	_	_	8	-32	750	972	2,092
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,	1,121	2-13			Ü		750	3,2	2,032
26,28,	electronic & optical products, machinery and equipment n.e.c.,									
	furniture, other manufacturing	27,283	8,645	_	1.972	10.521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259	_	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	_	_	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	_	_	12	59	470	758	2,610
24	Manufacture of basic metals	1,856	7	_	_	5	-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	_	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	_	_	339	207	1.046	1.893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	_	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1.101	40	_	_	2	13	_	54	1,156
35	Electricity and gas supply	4,209	2,256	_	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	_	43	_	2	_	301	391
37-39	Sewerage, waste collection and remediation services	995	541	_	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	_	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	_	_	0	_	_	246	1,221
46	Wholesale trade	12.334	462	_	_	651	_	28,728	29.842	42,176
47	Retail trade	159	88	_	_	21	_		108	267
49	Land transport services	2,188	2,103	_	248	0	_	154	2,506	4,694
50	Water transport services	399	97	_	_	_	_	277	374	773
51	Air transport services	1,300	1,331	_	-	_	-	3,781	5,112	6,412
52	Warehousing	1.972	327	_	_	1	_	50	378	2,349
53	Postal and courier services	994	396	_	-	0	_	550	946	1,940
55	Accommodation services	438	2,567	_	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	_	_	0	_	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	_	178	3,505	_	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	_	-	20	_	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
72	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
	Total intermediate consumption	211,021	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649	-			ustments or	exports	-206	-206	-206
	Operating surplus, net	108,771	4,812	Expenditure				-	4,812	4,812
	Consumption of fixed capital	56,499	-3,640	Expenditure	by non-re			3,640	-	-
	Net taxes (taxes less subsidies) on production	676				Total (as	per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	210,555								
	Output at basic prices ( = last row of Table 1)	521,486	l							

This **Net Operating** Surplus (NOS) from Table 1 of the NIE is consistent with the NOS figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of **€108,771** million.

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

NIE2017 Table 1 (published July 2018)

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

Compensation of Employees (COE) = NIE items 2 + 3 + 9 + 10 = 541 + 113 + 65,316 + 11,679 = €77,649 million in 2015

<sup>&</sup>lt;sup>1</sup>Preliminary

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

2015 Use Table - Table 2 (published 2018)

				LU		•				
		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		шот		0 0	0 4		В	_	
1-3	Agriculture, forestry and fishing	7,696	2,161	_	_	129	-11	1,658	3,937	11,633
	Mining, quarrying and extraction	3,435	244	_	8	205	246	439	1,142	4,577
	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	_	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,									
	electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	_	1.972	10.521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259		1,5/2	1,576	358	24,300	27,494	36,291
	Manufacture of rubber and plastic products	2,176	549	_		27	69	1,113	1,758	3,934
	Manufacture of other non-metallic mineral products	1,852	217	_	_	12	59	470	758	2,610
	Manufacture of basic metals	1,856	7	_	_	5	-3	796	806	2,662
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-		246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47 49	Retail trade Land transport services	159 2,188	88 2,103	-	248	21 0	-	154	108 2,506	267 4,694
50	Water transport services	399	2,103	-	246	U	-	277	374	773
51	Air transport services	1,300	1,331		-		_	3,781	5,112	6,412
52	Warehousing	1,972	327	_		1		50	378	2,349
53	Postal and courier services	994	396	_	_	0	_	550	946	1,940
55	Accommodation services	438	2,567	_	_	0	_	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	_	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	_	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-		936	5,811
70 71	Head office and management consultancy activities	4,009	15	-	-	218 421	-	1,394 243	1,612 679	5,621 2,231
72	Architectural and engineering services Scientific research and development services	1,552 17,549	15	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220		193	582	_	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917			6		19,958	20,882	84,713
78	Employment services	1,670	56	_	_	2		13,336	58	1,728
79	Travel agency and tourism service activities	201	390	_	_	1	_	_	392	593
	Security, office and business support activities	3,153	59	-	-	185	_	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
	Repair of consumer goods	150	45	-	-	0	-	-	45	196
	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
	Total intermediate consumption	277,650	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649	- 4.042		Cif/fob adju		n exports	-206	-206	-206
	Operating surplus, net	108,771	4,812	Expenditure				3,640	4,812	4,812
	Consumption of fixed capital Net taxes (taxes less subsidies) on production	56,499 676	-3,640	Expenditure	ະ ມy non-res		s per NIE)	3,640 320,565	507,352	785,243
	Gross value added at basic prices	245,395				rotur (u.	PEI INIE)	320,303	307,332	703,243
	Output at basic prices ( = last row of Table 1)	521,486								

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

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

Table 2 Net Value Added at Factor Cost and Depreciation by Sector (Note the sectors here are based on NACE Rev. 2 A10. For further							
	, included						€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
24.1 Agriculture forestry and fishing  Net value added	(B.1n-D.29+D.39)	2,882	2,913	3,178	3,207	3,282	4,167
Remuneration of employees	D.1	607	624	643	655	677	694
Other	(B.2n & B.3n)	2,275	2,289	2,535	2,553	2,605	3,473
24.2 Industry (excluding construction)							
Net value added	(B.1n-D.29+D.39)	33,087	32,883	36,358	62,876	56,343	58,778
Remuneration of employees Other	D.1 (B.2n & B.3n)	9,524 23,071	9,905 22,699	10,525 26,088	11,310 52,329	11,709 43,866	12,207 46,859
Adjustment for stock appreciation	(B.2n & B.3n)	492	280	-254	-763	767	-287
24.3 of which: Manufacturing							
Net value added	(B.1n-D.29+D.39)	30,235	30,073	33,677	60,802	54,169	55,481
Remuneration of employees	D.1	8,154	8,653	9,235	9,914	10,343	10,740
Other	(B.2n & B.3n)	21,593	21,139	24,699	51,651	43,050	45,011
Adjustment for stock appreciation  24.4 Construction	(B.2n & B.3n)	487	281	-257	-763	777	-270
Net value added	(B.1n-D.29+D.39)	2,333	3,214	4,338	5,053	5,940	6,604
Remuneration of employees	D.1	2,106	2,173	2,509	2,928	3,444	3,820
Other	(B.2n & B.3n)	227	1,042	1,829	2,125	2,496	2,785
24.5 Distribution, transport, hotels and restaurants	(0.4			95	AT		
Net value added	(B.1n-D.29+D.39) D.1	22,264 14,031	<b>24,435</b> 14,176	<b>25,244</b> 14,812	<b>27,341</b> 15,744	28,382 16,629	<b>28,655</b> 17,397
Remuneration of employees Other	(B.2n & B.3n)	8,231	9,886	9,812	11,250	11,445	11,014
Adjustment for stock appreciation	(B.2n & B.3n)	1	373	620	347	308	244
24.6. Information and communication							
Net value added	(B.1n-D.29+D.39)	12,221	13,179	15,041	17,464	17,592	21,277
Remuneration of employees	D.1	4,045	4,532	4,831	5,500	5,957	6,125
Other 24.7 Financial and insurance activities	(B.2n & B.3n)	8,176	8,647	10,209	11,964	11,636	15,153
Net value added	(B.1n-D.29+D.39)	13,746	12,569	14,513	16,053	18,536	18,641
Remuneration of employees	D.1	6,833	6,666	6,947	7,191	7,426	7,674
Other	(B.2n & B.3n)	6,913	5,903	7,566	8,862	11,110	10,967
24.8 Real estate activities							
Net value added  Remuneration of employees	(B.1n-D.29+D.39) D.1	<b>7,728</b>	<b>8,181</b> 397	<b>9,109</b> 495	<b>10,044</b> 561	<b>11,200</b> 618	<b>11,958</b>
Other	(B.2n & B.3n)	7,353	7,784	8,614	9,484	10,583	11,288
24.9 Professional, admin and support services	(	.,,,,,	.,	-,		,	,
Net value added	(B.1n-D.29+D.39)	11,410	12,537	14,325	18,022	19,992	22,511
Remuneration of employees	D.1	6,470	6,840	7,582	8,440	9,501	10,434
Other	(B.2n & B.3n)	4,940	5,697	6,744	9,583	10,491	12,077
24.10 Public admin, education and health  Net value added	(B.1n-D.29+D.39)	24,970	25,139	24,597	25,372	26,285	27,206
Remuneration of employees	D.1	23,167	23,305	22,761	23,463	24,558	25,341
Other	(B.2n & B.3n)	1,803	1,834	1,836	1,908	1,728	1,865
24.11 Arts, entertainment and other services							
Net value added	(B.1n-D.29+D.39)	2,766	2,970	3,035	2,976	3,057	3,337
Remuneration of employees Other	D.1	1,691	1,751	1,820 1,214	1,858	1,963	2,015
26. Statistical discrepancy (equals Item 12, Table 1)	(B.2n & B.3n)	1,075	-1,004	-1,586	1,117 -1,987	1,095	1,322 -2,773
27. Net value added at factor cost	B.1n-D.29+D.39	134,872	137,017	148,152	186,420	88,496	200,362
28. plus Provision for depreciation	P.51c	25,311	26,708	28,839	56,499	53,881	71,957
28.1 Agriculture, forestry and fishing	P.51c	756	768	818	856	857	883
28.2 Industry (excluding construction)	P.51c	6,279	6,490	6,690	00,007	34,748	39,897
28.3 of which Manufacturing 28.4 Construction	P.51c P.51c	4,710	4,874 295	5,025 278	29,277 272	32,988 275	38,076 305
28.5 Distribution, transport, hotels and restaurants	P.51c	3,072	3,159	3,239	3,495	3,990	4,600
28.6 Information and communication	P.51c	3,063	3,492	3,825	4,628	5,941	7,045
28.7 Financial and insurance activities	P.51c	801	824	1,051	1,280	1,394	1,587
28.8 Real estate activities	P.51c	3,587	3,700	3,910	4,087	4,371	4,761
28.9 Professional, admin and support services	P.51c	4,268	4,771	5,678	7,314	8,508	8,859
28.10 Public admin, education and health 28.11 Arts, entertainment and other services	P.51c P.51c	2,740 414	2,801 407	2,917 433	3,111 454	3,337 461	3,551 469
29. Gross value added at factor cost	B.1g-D.29+D.39	160,183	163,724	176,991	242,920	252,377	272,320
30. Non product taxes	D.29	2,273	2,562	2,978	3,144	3,039	3,215
31. Non product subsidies	D.39	-2,454	-2,280	-2,204	-2,468	-2,316	-2,361
32. Gross value added at basic prices	B.1g	160,002	164,006	177,765	243,595	253,101	273,174
Irba Barisana.							
<sup>1</sup> Preliminary							

# NIE2017 Table 2 (published July 2018)

Consumption of Fixed Capital (CFC)

=

NIE item 28

=

€56,499 million in 2015

2015 Use Table - Table 2 (published 2018) 2015 Use Table at purchasers' prices €m

	In the last	13 L	<u> 15e</u>		pie		Idi			LDU
		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)	fotal Final uses	Total uses ( = total supply in Table 1)
NACE	Products	-	40 1		0 0	O 4=	- 0 .≡	шо	_	F 0 F
1-3	Agriculture, forestry and fishing	7,696	2,161	_	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54 0	24	272	743	1,052
	Manufacture of wearing apparel	485 119	3,087 609	-	-	0	489 104	84 33	3,660 745	4,144 864
	Manufacture of leather and related products  Manufacture of wood and wood products (excluding furniture)	926	102			14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1.168	387	_	_	-	29	250	665	1.833
18	Printing and reproduction of recorded media	1,121	245	_	-	8	-32	750	972	2,092
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,									
26,28,	electronic & optical products, machinery and equipment n.e.c.,									
	furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291
	Manufacture of rubber and plastic products  Manufacture of other non-metallic mineral products	2,176 1.852	549 217	-	-	27 12	69 59	1,113 470	1,758 758	3,934 2.610
	Manufacture of basic metals	1,852	7			5	-3	796	806	2,610
	Manufacture of fabricated metal products	1,751	322	_	_	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	_	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995 6.439	541 657	-	240	5	34	-	821	1,816
41-43 45	Construction and construction works	975	246	-	-	12,665 0	-	-	13,322 246	19,760 1,221
45	Wholesale and retail trade and repair of vehicles Wholesale trade	12.334	462	-	-	651	-	28,728	29,842	42.176
47	Retail trade	159	88	_	_	21	_		108	267
49	Land transport services	2,188	2,103	_	248	0	_	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-	-	-	3,781	5,112	6,412
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349
53 55	Postal and courier services	994 438	396	-	-	0	-	550 364	946	1,940
56	Accommodation services Food and beverage services	438 580	2,567 5,672	-	-	0	-	364	2,932 6,051	3,371 6,630
58-60	Publishing, film and broadcasting services	2.517	901	_	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	_	60	15	_	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69 70	Legal and accounting activities	4,875	219	-	-	717 218	-	1 204	936	5,811
70	Head office and management consultancy activities Architectural and engineering services	4,009 1,552	15	-	-	421	-	1,394 243	1,612 679	5,621 2.231
72	Scientific research and development services	17.549	- 13	_	193	9.356	_	3,765	13,314	30.863
	Advertising, market research, other professional & scientific services	16,070	220	_		582	_	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84 85	Public administration Education services	1,399	508 2.359	-	10,745	317 581	-	36	11,606	13,005
	Education services Human health and social work activities	1,471 1.681	2,359 3.523	1,130	5,593 11,247	581 33	-	395	8,533 16,328	10,003 18,009
	Cultural, arts and gambling activities	420	3,523 865	1,130	- 11,247	204	-	175	1.244	1,664
	Recreation and sports activities	502	551	_	-	204	-	188	738	1,004
	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
	Repair of consumer goods	150	45		-	0	-	-	45	196
96	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53	-	-	-	-	-	53	53
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649	- 4.042		Cif/fob adju		n exports	-206	-206	-206
	Operating surplus, net Consumption of fixed capital	108,771 56,499		Expenditure Expenditure			ŀ	3,640	4,812	4,812
	Net taxes (taxes less subsidies) on production	676	3,040	Experialcure	. by non-resi		per NIE)		507,352	785,243
	Gross value added at basic prices	243,595				.o.u. (u.	. pc. /*/L/	320,303	30.,332	, 55,245
l	Output at basic prices ( = last row of Table 1)	521,486	1							

This Consumption of fixed capital (CFC) or depreciation from Table 2 of the NIE is consistent with the CFC figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of €56,499 million.

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

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

<sup>1</sup>Preliminary

(Note the sectors here are based on NACE Rev. 2 A10. For further details see the methodology notes € million ESA Code 2012 2013 2014 2015 2016 2017 1 24.1 Agriculture forestry and fishing Net value added (B.1n-D.29+D.39) 2,882 2,913 3,178 3,207 3,282 Remuneration of employees 607 624 643 655 677 (B.2n & B.3n) 2,275 2,289 2,535 2,553 2,605 Other 24.2 Industry (excluding construction) (B.1n-D.29+D.39) 33,087 32.883 36,358 62.876 56,343 Net value added Remuneration of employees 9.524 11.709 (B.2n & B.3n) 23,071 22,699 26,088 52,329 43,866 767 -287 Adjustment for stock appreciation (B.2n & B.3n) 492 280 -254 -763 24.3 of which: Manufacturing 30,235 33,677 60,802 54,169 55,481 Remuneration of employees 8,154 8,653 9,235 9.914 10.343 10.740 21.593 45.011 Other (B.2n & B.3n) 21.139 24.699 51.651 43.050 Adjustment for stock appreciation (B.2n & B.3n) 487 281 -257 -763 777 -270 24.4 Construction (B.1n-D.29+D.39) 2.333 3.214 4.338 5.053 5.940 3,444 3,820 Remuneration of employees 2.106 2.173 2.509 2.928 2,785 (B.2n & B.3n) 1,042 1,829 2,496 227 2,125 24.5 Distribution, transport, hotels and restaurants 28,655 (B.1n-D.29+D.39) 22,264 24,435 25,244 27,341 28,382 14,031 14.812 15,744 16.629 17.397 Remuneration of employees 14.176 8.231 9.886 9.812 11.250 11.014 (B.2n & B.3n) 11.445 Adjustment for stock appreciation (B.2n & B.3n) 373 620 347 308 244 24.6. Information and communication Net value added (B.1n-D.29+D.39) 12,221 13,179 15,041 17,464 17,592 Remuneration of employees D.1 4,045 4,532 4,831 5,500 5,957 6,125 (B.2n & B.3n) 8.176 8.647 10.209 11.964 11.636 15.153 24.7 Financial and insurance activities 13,746 14.513 16.053 18.536 18.641 Remuneration of employees 6.833 6.666 6.947 7,191 7,426 7,674 6,913 Other (B.2n & B.3n) 5.903 7.566 8.862 11.110 24.8 Real estate activities Net value added (B.1n-D.29+D.39) 7,728 8,181 9,109 10,044 11,200 11,958 Remuneration of employees 375 (B.2n & B.3n) 7,353 7,784 8,614 9,484 10,583 11,288 24.9 Professional, admin and support services (B.1n-D.29+D.39) 11,410 12.537 14.325 18.022 19.992 22,511 Remuneration of employees 6.470 6.840 7,582 8,440 9,501 10,434 (B.2n & B.3n) 4.940 9.583 10.491 24.10 Public admin, education and health (B.1n-D.29+D.39) 24,970 24.597 25,372 27.206 Net value added 25.139 26.285 Remuneration of employees 23,167 23,305 22,761 23,463 24,558 25,341 (B.2n & B.3n) 1,803 1,834 1,836 1,908 1,728 24.11 Arts, entertainment and other services 3.337 Net value added (B.1n-D.29+D.39) 2.766 2.970 3.035 2.976 3.057 1 963 2 015 Remuneration of employees 1.691 1.751 1.820 1.858 (B.2n & B.3n) 1,075 1,219 1,214 1,117 1,095 1,322 26. Statistical discrepancy (equals Item 12, Table 1) 1,467 -1,004 -1,987 -2,773 200,362 27. Net value added at factor cost B.1n-D.29+D.39 134.872 137.017 148.152 186.420 188.496 26,708 28.839 56,499 63.881 71,957 28. plus Provision for depreciation P.51c 25,311 857 883 28.1 Agriculture, forestry and fishing 756 856 28.2 Industry (excluding construction) 6.279 6.490 6.690 31.001 34.748 P.51c 4,710 4,874 5,025 29,277 32.988 38.076 28.3 of which Manufacturing 331 272 P.51c 295 275 305 28.5 Distribution, transport, hotels and restaurants P.51c 3,072 3,159 3,239 3,495 3,990 4,600 28.6 Information and communication P.51c 3,063 3,492 3,825 4,628 5,941 7,045 28.7 Financial and insurance activities P.51c 801 824 1.051 1,280 1.394 1,587 28.8 Real estate activities P.51c 3.587 3.700 3.910 4.087 4.371 4.761 28.9 Professional, admin and support services P.51c 4 268 4.771 5.678 7.314 8 508 8 859 28.10 Public admin, education and health P.51c 2.740 2.801 2.917 3.111 3.337 3,551 28.11 Arts, entertainment and other services 414 407 433 461 469 163,724 176,99 242,920 29. Gross value added at factor cost B.1g-D.29+D.39 160,183 252.377 272,320 D.29 2,273 2,562 3,144 3,039 30. Non product taxes 3,215 D.39 -2,361 32. Gross value added at basic prices 160,002 164,006 243,595 273,174

# **NIE2017 Table 2** (published July 2018)

Other taxes on production (non product taxes)

NIF item 30

€3,144 million in 2015

Other subsidies on production (non product subsidies)

NIF item 31

€2,468 million in 2015

**2015** Use Table – Table 2 (published 2018)

				LU		•				
		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		шот		0 0	0 4		В	_	
1-3	Agriculture, forestry and fishing	7,696	2,161	_	_	129	-11	1,658	3,937	11,633
	Mining, quarrying and extraction	3,435	244	_	8	205	246	439	1,142	4,577
	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	_	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,									
	electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645	_	1.972	10.521	1,459	111,901	134,497	161,781
20	Manufacture of chemicals and chemical products	8,798	1,259		1,5/2	1,576	358	24,300	27,494	36,291
	Manufacture of rubber and plastic products	2,176	549	_		27	69	1,113	1,758	3,934
	Manufacture of other non-metallic mineral products	1,852	217	_	_	12	59	470	758	2,610
	Manufacture of basic metals	1,856	7	_	_	5	-3	796	806	2,662
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-		246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	454	108	267
49 50	Land transport services	2,188 399	2,103 97	-	248	0	-	154 277	2,506 374	4,694 773
51	Water transport services Air transport services	1,300	1,331				_	3,781	5,112	6,412
52	Warehousing	1,972	327	_		1		50	378	2,349
53	Postal and courier services	994	396	_		0	_	550	946	1,940
55	Accommodation services	438	2,567	_	_	0	_	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	_	378	6,051	6,630
58-60	Publishing, film and broadcasting services	2,517	901	_	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70 71	Head office and management consultancy activities	4,009	15	-	-	218 421	-	1,394 243	1,612 679	5,621 2,231
72	Architectural and engineering services Scientific research and development services	1,552 17,549	15	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220		193	582	_	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	_		6		19,958	20,882	84,713
78	Employment services	1,670	56	_	_	2		13,330	58	1,728
79	Travel agency and tourism service activities	201	390	_	_	1	_	-	392	593
	Security, office and business support activities	3,153	59	_	_	185	_	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
	Recreation and sports activities	502	551	-	-	0	-	188	738	1,241
	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
	Repair of consumer goods	150	45	-	-	0	-	-	45	196
	Other personal service activities	702	963	-	-	0	-	-	963	1,665
97	Private households with employed persons	-	53		-	-		-	53	53
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131 -206	502,746	780,638 -206
	Compensation of Employees	77,649 108,771	4,812	Expenditure	Cif/fob adj		ıı exports	-206	-206 4,812	-206 4,812
	Operating surplus, net Consumption of fixed capital	108,771 56,499		Expenditure Expenditure				3,640	4,812	4,812
	Net taxes (taxes less subsidies) on production	56,499 676	-3,040	Lybellalcare	by non-res		s per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595	<i>)</i>			rotur (u.	PEI INIE)	320,303	201,232	103,243
	Output at basic prices ( = last row of Table 1)	521,486								

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

Again a detailed split is provided in Use table.

<sup>1</sup>Preliminary

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017
24.1 Agriculture forestry and fishing							
Net value added	(B.1n-D.29+D.39)	2,882	2,913	3,178	3,207	3,282	4,167
Remuneration of employees	D.1	607	624	643	655	677	694
Other	(B.2n & B.3n)	2,275	2,289	2,535	2,553	2,605	3,473
24.2 Industry (excluding construction)							
Net value added	(B.1n-D.29+D.39)	33,087	32,883	36,358	62,876	56,343	58,778
Remuneration of employees	D.1	9,524	9,905	10,525	11,310	11,709	12,207
Other	(B.2n & B.3n)	23,071	22,699	26,088	52,329	43,866	46,859
Adjustment for stock appreciation	(B.2n & B.3n)	492	280	-254	-763	767	-287
24.3 of which: Manufacturing							
Net value added	(B.1n-D.29+D.39)	30,235	30,073	33,677	60,802	54,169	55,481
Remuneration of employees	D.1	8,154	8,653	9,235	9,914	10,343	10,740
Other	(B.2n & B.3n)	21,593	21,139	24,699	51,651	43,050	45,011
Adjustment for stock appreciation  24.4 Construction	(B.2n & B.3n)	487	281	-257	-763	777	-270
Net value added	(B.1n-D.29+D.39)	2,333	3,214	4,338	5,053	5,940	6,604
	D.1						
Remuneration of employees Other		2,106	2,173	2,509	2,928	3,444	3,820
24.5 Distribution, transport, hotels and restaurants	(B.2n & B.3n)	227	1,042	1,829	2,125	2,496	2,785
Net value added	(B.1n-D.29+D.39)	22,264	24,435	25,244	27,341	28,382	28,655
Remuneration of employees	D.1	14,031	14,176	14,812	15,744	16,629	17,397
Other	(B.2n & B.3n)	8,231	9,886	9,812	11,250	11,445	11,014
Adjustment for stock appreciation	(B.2n & B.3n)	1	373	620	347	308	244
24.6. Information and communication	(2.2.7)						
Net value added	(B.1n-D.29+D.39)	12,221	13,179	15,041	17,464	17,592	21,277
Remuneration of employees	D.1	4,045	4,532	4,831	5,500	5,957	6,125
Other	(B.2n & B.3n)	8,176	8,647	10,209	11,964	11,636	15,153
24.7 Financial and insurance activities	ì						
Net value added	(B.1n-D.29+D.39)	13,746	12,569	14,513	16,053	18,536	18,641
Remuneration of employees	D.1	6,833	6,666	6,947	7,191	7,426	7,674
Other	(B.2n & B.3n)	6,913	5,903	7,566	8,862	11,110	10,967
24.8 Real estate activities							
Net value added	(B.1n-D.29+D.39)	7,728	8,181	9,109	10,044	11,200	11,958
Remuneration of employees	D.1	375	397	495	561	618	669
Other	(B.2n & B.3n)	7,353	7,784	8,614	9,484	10,583	11,288
24.9 Professional, admin and support services							
Net value added	(B.1n-D.29+D.39)	11,410	12,537	14,325	18,022	19,992	22,511
Remuneration of employees	D.1	6,470	6,840	7,582	8,440	9,501	10,434
Other	(B.2n & B.3n)	4,940	5,697	6,744	9,583	10,491	12,077
24.10 Public admin, education and health							
Net value added	(B.1n-D.29+D.39)	24,970	25,139	24,597	25,372	26,285	27,206
Remuneration of employees	D.1	23,167	23,305	22,761	23,463	24,558	25,341
Other	(B.2n & B.3n)	1,803	1,834	1,836	1,908	1,728	1,865
24.11 Arts, entertainment and other services							
Net value added	(B.1n-D.29+D.39)	2,766	2,970	3,035	2,976	3,057	3,337
Remuneration of employees	D.1	1,691	1,751	1,820	1,858	1,963	2,015
Other	(B.2n & B.3n)	1,075	1,219	1,214	1,117	1,095	1,322
26. Statistical discrepancy (equals Item 12, Table 1)	24 200 200	1,467	-1,004 <b>137,017</b>	-1,586	-1,987	-2,114	-2,773
27. Net value added at factor cost	B.1n-D.29+D.39 P.51c	134,872		148,152	186,420	188,496	200,362
28. plus Provision for depreciation		25,311	26,708	28,839	56,499	63,881	71,957
28.1 Agriculture, forestry and fishing	P.51c	756	768	818	856	857	39,897
28.2 Industry (excluding construction)	P.51c P.51c	6,279 4,710	6,490 4,874	6,690 5,025	31,001 29,277	34,748 32,988	38,076
28.3 of which Manufacturing 28.4 Construction	P.51c	331	295	278	272	275	305
28.5 Distribution, transport, hotels and restaurants	P.51c	3,072	3,159	3,239	3,495	3,990	4,600
000 17 17 17 17	P.51c	0.000	0.400	3,825	4 000	5,941	7,045
28.6 Information and communication 28.7 Financial and insurance activities	P.51c	801	3,492 824	1,051	1,280	1,394	1,587
28.8 Real estate activities	P.51c	3,587	3,700	3,910	4,087	4,371	4,761
28.9 Professional, admin and support services	P.51c	4,268	4,771	5,678	7,314	8,508	8,859
28.10 Public admin, education and health	P.51c	2,740	2,801	2,917	3,111	3,337	3,551
28.11 Arts, entertainment and other services	P.51c	414	407	433	454	461	469
	B.1g-D.29+D.39	160,183	163,724	176,991		252,377	272,320
29. Gross value added at factor cost							
29. Gross value added at factor cost 30. Non product taxes					3,144		
29. Gross value added at factor cost 30. Non product taxes 31. Non product subsidies	D.29 D.39	2,273 -2,454	2,562	2,973 -2,204	3,144 -2,468	3,039 -2,316	3,215

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

Gross Value Added (GVA) at basic prices

NIE item 32 (and item 51)

€243,595 million in 2015

ole 2 5 Use Table at nurchasers' pri

2015 U	se Table at purchasers' prices €m	<b>5</b> I	Ico	Ta	hla		Tal	hla	7	ln:	iblished 2019)
	Tr <sub>ik</sub> to grid			Id	DIE		Idi			լիւ	ıblished 2018)
		otal inter-industry	consumption nolds, excl govt fers		mption	capital		Exports f.o.b. (free on board)	Ses	ni ylqı	
		inter-i	Final consur of h'holds, e transfers	_	Govt consumptior plus transfers	Gross fixed of formation	Change in inventories	Exports f.o. on board)	Total Final uses	Total uses ( = total supply ir Table 1)	TI
	-	Total	Final of hil trans	NPISH	Govt plus 1	Gross	Chan	Expo on bo	Total	Total (= tc Table	This Gross V
1-3	Products Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633	
5-9 10	Mining, quarrying and extraction Manufacture of food products	3,435 8,950	244 5,608	-	8 1	205 39	246 -22	439 19,527	1,142 25,153	4,577 34,103	IGVAL at had
11-12 13	Manufacture of beverages and tobacco products Manufacture of textiles	1,179 309	5,004 392	-	-	11 54	554 24	2,029 272	7,598 743	8,777 1,052	(GVA) at bas
14 15	Manufacture of wearing apparel Manufacture of leather and related products	485 119	3,087 609	-	-	0	489 104	84 33	3,660 745	4,144 864	
16 17	Manufacture of wood and wood products (excluding furniture) Manufacture of pulp, paper and paper products	926 1,168	102 387	-	-	14	29 29	423 250	569 665	1,495 1,833	(€243,595 m
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092	(4243,333)
19,21, 26,28,	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,										
31,32 20	furniture, other manufacturing Manufacture of chemicals and chemical products	27,283 8,798	8,645 1,259	-	1,972 -	10,521 1,576	1,459 358	111,901 24,300	134,497 27,494	161,781 36,291	Table 2 and
22 23	Manufacture of rubber and plastic products Manufacture of other non-metallic mineral products	2,176 1,852	549 217	-	-	27 12	69 59	1,113 470	1,758 758	3,934 2,610	
24 25	Manufacture of basic metals Manufacture of fabricated metal products	1,856 1.751	7 322	-	-	5 181	-3 33	796 1,585	806 2.120	2,662 3,871	
27 29-30	Manufacture of electrical equipment Manufacture of motor vehicles, trailers, other transport equipment	1,775 2,806	301 3,876	-	-	339 12.158	207 397	1,046 373	1,893 16,804	3,668 19,609	the NIE is co
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156	
35 36	Electricity and gas supply Water collection, treatment and supply	4,209 90	2,256 256	-	143 43	-	96 2	33	2,533 301	6,742 391	م مالا مالاندر
37-39 41-43	Sewerage, waste collection and remediation services Construction and construction works	995 6,439	541 657	-	240	5 12,665	34	-	821 13,322	1,816 19,760	with the Gro
45 46	Wholesale and retail trade and repair of vehicles Wholesale trade	975 12,334	246 462	-	-	0 651	-	- 28,728	246 29,842	1,221 42,176	
47 49	Retail trade Land transport services	159 2,188	88 2.103	-	248	21	-	154	108 2,506	267 4,694	added at bas
50 51	Water transport services Air transport services	399 1,300	97 1.331	-	-	-	-	277 3,781	374 5,112	773 6,412	added at ba
52	Warehousing	1,972	327	-	-	1	-	50	378	2,349	_
53 55	Postal and courier services Accommodation services	994 438	396 2,567	-	-	0	-	550 364	946 2,932	1,940 3,371	figure in the
56 58-60	Food and beverage services Publishing, film and broadcasting services	580 2,517	5,672 901	-	178	0 3,505	-	378 14,851	6,051 19,435	6,630 21,952	rigule ili tile
61 62-63	Telecommunications services Computer programming, consultancy and data processing	2,062 11,405	2,444 269	-	60	15 8,372	-	700 40,235	3,218 48,876	5,280 60,282	
64 65	Financial service activities Insurance, reinsurance and pension funding	15,881 9,365	1,599 1.735	-	- 587	20	-	14,969 10,664	16,588 12,995	32,469 22,360	inputs at the
66	Other financial activities	5,433	412 14.792	-	979	14 279	-	1,844	2,270	7,703	inputs at the
68 69	Real estate activities Legal and accounting activities	3,565 4,875	219	-	9/9	717	-	-	16,050 936	19,615 5,811	
70 71	Head office and management consultancy activities Architectural and engineering services	4,009 1,552	15	-	-	218 421	-	1,394 243	1,612 679	5,621 2,231	Use Table in
7 <u>2</u> 73-75	Scientific research and development services Advertising, market research, other professional & scientific services	17,549 16,070	220	-	193	9,356 582	-	3,765 6,352	13,314 7,154	30,863 23,224	
77 78	Rental and leasing activities Employment services	63,831 1,670	917 56	-	-	6 2	-	19,958	20,882 58	84,713 1,728	Q IIaa Tabla
79 80-82	Travel agency and tourism service activities Security, office and business support activities	201 3,153	390 59	-	-	1 185	-	-	392 244	593 3,397	& Use Table:
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005	
86-88	Education services Human health and social work activities	1,471 1,681	2,359 3,523	1,130	5,593 11,247	581 33	-	395	8,533 16,328	10,003 18,009	£2/12 EQE m
90-92 93	Cultural, arts and gambling activities Recreation and sports activities	420 502	865 551	-	-	204 0	-	175 188	1,244 738	1,664 1,241	€243,595 m
94 95	Membership organisation services Repair of consumer goods	571 150	1,122 45	571 -	-	0	-	-	1,693 45	2,264 196	<u>-</u>
96 97	Other personal service activities Private households with employed persons	702	963 53	-	-	0	-	-	963 53	1,665 53	Again a deta
	Total intermediate consumption Compensation of Employees	277,891 77,649	84,073	1,701	32,238 Cif/fob adia	63,469	4,134	317,131 -206	502,746 -206	780,638 -206	Again a ueta
	Operating surplus, net	108.771		xpenditure	e outside the	e State	exports	-	4,812	4,812	
	Consumption of fixed capital Net taxes (taxes less subsidies) on production	56,499 676	-3,640 E	xpenaiture	e by non-res		is per NIE)	<i>3,640</i> 320,565	507,352	785,243	provided in
	Gross value added at basic prices Output at basic prices ( = last row of Table 1)	243,595 521,486									p.oviaca iii
	wass value added at ba				22/12		·	:11: -	/:		ina a muina puta at fa a

This Gross Value Added (GVA) at basic prices **(€243,595 million)** from Table 2 and Table 3 of the NIE is consistent with the Gross value added at basic prices figure in the primary inputs at the foot of the Use Table in the Supply & Use Tables of €243,595 million. Again a detailed split is provided in Use table.

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

2015 Use Table at purchasers' prices 6m

Industri 2015 Use Table – Table 2 (published 2018)

	Industri		J U	<u>ise</u>	ld	pie		Tal	ole	
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = total supply in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10 11-12	Manufacture of food products Manufacture of beverages and tobacco products	8,950 1,179	5,608 5,004	-	1	39 11	-22 554	19,527 2,029	25,153 7,598	34,103 8,777
13	Manufacture of textiles	309	3,004	_	-	54	24	2,029	7,338	1,052
	Manufacture of wearing apparel	485	3,087	_	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18 19.21.	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
26.28.	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,									
-, -,	furniture, other manufacturing	27,283	8,645	_	1,972	10,521	1,459	111,901	134,497	161.781
- ,-	Manufacture of chemicals and chemical products	8,798	1,259	_	-,	1,576	358	24,300	27,494	36,291
	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
	Manufacture of electrical equipment  Manufacture of motor vehicles, trailers, other transport equipment	1,775 2,806	301 3,876	-	-	339 12,158	207 397	1,046 373	1,893 16,804	3,668 19,609
	Repair and installation of machinery and equipment	1,101	3,876	_	-	12,158	13	3/3	10,804	1,156
	Electricity and gas supply	4,209	2,256	_	143	5	96	33	2,533	6,742
	Water collection, treatment and supply	90	256	_	43	-	2	-	301	391
	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
	Retail trade Land transport services	159 2,188	88 2,103	-	248	21 0	-	154	108 2,506	267 4,694
	Water transport services	399	2,103	_	246	-		277	374	773
	Air transport services	1,300	1,331	_			_	3,781	5,112	6,412
	Warehousing	1,972	327	_	_	1	_	50	378	2,349
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940
	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61 62-63	Telecommunications services Computer programming, consultancy and data processing	2,062 11,405	2,444 269		60	15 8,372	-	700 40,235	3,218 48,876	5,280 60,282
	Financial service activities	15,881	1.599	_	_	20	_	14,969	16,588	32,469
	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	_	10,664	12,995	22,360
	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
	Head office and management consultancy activities	4,009	- 15	-	-	218 421	-	1,394 243	1,612	5,621
	Architectural and engineering services Scientific research and development services	1,552 17.549	15	-	193	421 9.356	-	243 3,765	679 13.314	2,231 30.863
	Advertising, market research, other professional & scientific services	16,070	220	-	153	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	_	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85 86-88	Education services	1,471	2,359	1 120	5,593	581	-	205	8,533	10,003
86-88 90-92	Human health and social work activities Cultural, arts and gambling activities	1,681 420	3,523 865	1,130	11,247	33 204	-	395 175	16,328 1.244	18,009 1,664
90-92	Recreation and sports activities	502	551	-	-	204	-	188	738	1,664
94	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264
95	Repair of consumer goods	150	45	_	_	0		-	45	196
96	Other personal service activities	702	203	-	-	0	-	_	963	1,665
97	Private households with employed persons		53	-	-	-	-		53	53
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131	507,746	780,638
	Compensation of Employees Operating surplus, net	77,6-10 108,771	-		Cif/fob adji outside th	ustments on	exports	-206	-206 4,812	-206 4,812
	Consumption of fixed capital	56,499	-3.640	Expenditure				3,640	4,012	4,012
	Net taxes (taxes less subsidies) on production	676	2,010	, .,	. ,	Total (as	per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595								
1	Output at basis prices ( - last rous of Table 1)	E21 406								

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

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

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

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

Table 3 Gross Value Added at Basic Prices by Sector of Origin and Gross Nati	onal Income at Curre	nt Market Prices					
(Note the sectors here are based on NACE Rev. 2 A10 breakdown. For furthe	r details see the met	hodology notes)					
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
51. Gross value added at basic prices	B.1g	160,002	164,006	177,765	243,595	253,101	273,174
52. Product taxes	D.21	16,341	16,996	18,509	19,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
54. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-02,043	-51,082	-60,961
	(net to abroad)						
56. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
59. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221
<sup>1</sup> Preliminary							

Gross Domestic Product (GDP)

=

NIE Item 54

=

€262.466 billion

#### NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63.341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -ltem 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
86. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
88. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
91. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221
<sup>1</sup> Preliminary							
<sup>2</sup> Excluding factor income flow s							

Personal consumption of goods and services

=

NIE item 79

=

€92,358 million in 2015

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

=

NIE item 80

=

€26,826 million in 2015

NIE Items 79 + 80 = €92,358 + €26,826 = €119,184 million Table 2 2015 Use Table at purchasers' prices €m

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

**2015** Use Table – Table 2 (published 2018)

	_ In this trie		<u> </u>		VIC		a	VIC		Hr	
		Total inter-industry	Final consumption of h'holds, excl govt transfers	НS	Govt consumption plus transfers	Gross fixed capital formation	cnange in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = total supply in Table 1)	
		Tota	Fina of h tran	NPISH	Gov	form Gr	i.e	on b	Tota	Tota (=t Tabl	l
NACE	Products										l
1-3 5-9	Agriculture, forestry and fishing	7,696	2,161 244	-	- 8	129 205	-11 246	1,658 439	3,937	11,633	ĺ
10	Mining, quarrying and extraction  Manufacture of food products	3,435 8,950	5,608		1	39	-22	19,527	1,142 25,153	4,577 34,103	l
11-12	Manufacture of beverages and tobacco products	1,179	5,004	_	-	11	554	2,029	7,598	8,777	l
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052	l
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144	l
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864	l
16 17	Manufacture of wood and wood products (excluding furniture) Manufacture of pulp, paper and paper products	926 1,168	102 387	-	-	14	29 29	423 250	569 665	1,495 1,833	۱ '
18	Printing and reproduction of recorded media	1,108	245	-	-	8	-32	750	972	2,092	l
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,	1,121	2-13			Ü	-	,50	3,2	2,032	l
26,28,	electronic & optical products, machinery and equipment n.e.c.,										l
31,32	furniture, other manufacturing	27,283	8,645	-	1,972		,459	111,901	134,497	161,781	l
20	Manufacture of chemicals and chemical products	8,798	1,259	-	-	1,576	358	24,300	27,494	36,291	l
22 23	Manufacture of rubber and plastic products Manufacture of other non-metallic mineral products	2,176 1,852	549 217	-	-	27 12	69 59	1,113 470	1,758 758	3,934 2,610	l
24	Manufacture of other non-metalic mineral products  Manufacture of basic metals	1,852	7	-	-	5	-3	796	806	2,662	l
25	Manufacture of fabricated metal products	1,751	322	_	_	181	33	1,585	2,120	3,871	l
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668	l
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609	l
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156	l
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742	l
36 37-39	Water collection, treatment and supply	90 995	256 541	-	43 240	5	2 34	-	301 821	391 1,816	l
41-43	Sewerage, waste collection and remediation services Construction and construction works	6,439	657		240	12,665	-	-	13,322	19,760	l
45	Wholesale and retail trade and repair of vehicles	975	246	_	-	0	_	_	246	1,221	l
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176	l
47	Retail trade	159	88	-	-	21	-	-	108	267	l
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694	l
50	Water transport services	399	97	-	-	-	-	277	374	773	l
51 52	Air transport services Warehousing	1,300 1,972	1,331 327	-	-	1	-	3,781 50	5,112 378	6,412 2.349	l
53	Postal and courier services	994	396			0	_	550	946	1,940	l
55	Accommodation services	438	2,567	-	-	0	_	364	2,932	3,371	
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630	l
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952	l
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280	l
62-63	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282	l
64 65	Financial service activities Insurance, reinsurance and pension funding	15,881 9,365	1,599 1,735		587	20 9	-	14,969 10,664	16,588 12,995	32,469 22,360	l
66	Other financial activities	5,433	412	_	-	14	_	1,844	2,270	7,703	l
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615	l
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811	l
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621	l
71	Architectural and engineering services	1,552	15	-	400	421	-	243	679	2,231	l
72 73-75	Scientific research and development services Advertising, market research, other professional & scientific services	17,549 16,070	220		193	9,356 582	-	3,765 6,352	13,314 7.154	30,863 23,224	l
77	Rental and leasing activities	63,831	917	_		6	_	19,958	20,882	84,713	l
78	Employment services	1,670	56	-	-	2	-		58	1,728	l
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593	l
80-82	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397	l
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005	l
85 86-88	Education services	1,471	2,359	1 120	5,593	581	-	-	8,533	10,003	l
86-88 90-92	Human health and social work activities	1,681 420	3,523 865	1,130	11,247	33 204	-	395 175	16,328 1,244	18,009 1,664	ı '
90-92	Cultural, arts and gambling activities Recreation and sports activities	502	551	_	-	204	-	175	738	1,664	l
94	Membership organisation services	571	1,122	571	_	0	_	-	1,693	2,264	l
95	Repair of consumer goods	150	45		-	o	-	-	45	196	l
96	Other personal service activities	702	503			0	-	-	963	1,665	
97	Private households with employed persons	-	53	-		-	-	-	53	53	1
	Total intermediate consumption	277,89	84,073	1,701	32,238		,134	317,131	502,746	780,638	
	Compensation of Employees	77,649 108,771	4 013			stments on exp	oorts	-206	-206 4,812	-206	l
	Operating surplus, net Consumption of fixed capital	108,771 56,499			e outside til e by nor-res			3,640	4,812	4,812	l
	Net taxes (taxes less subsidies) on production	676	7,040	Experiulture	. Jy III I-IES	Total (as per	NIE)		507,352	785,243	l
	Gross value added at basic prices	243,595	1			, , pc.	-/	,	,	,=	
	Output at basic prices ( = last row of Table 1)	521 486	1								

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

#### NIE2017 Table 5 (published July 2018)

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

Final consumption expenditure of Households and NPISHs

=

NIE item 79(a)

€86,946 million in 2015

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

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

2015 Use Table - Table 2 (published 2018)

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		inte	ons old:	-	rans	fixe ation	ge ir tori	ts f.	Fina	use: tals
		Cotal inter-industry	Final consumption of h'holds, excl gov 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 Table 1)
NACE	Products	Ĕ	正百年	z	9 2	و و	⊡ .⊑	மி	ĭ	7 0 1
	Agriculture, forestry and fishing	7,696	2,161	_		129	-11	1,658	3,937	11,633
	Mining, quarrying and extraction	3,435	244	_	8	205	246	439	1,142	4,577
	Manufacture of food products	8,950	5,608	_	1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
	Printing and reproduction of recorded media Manufacture of refined petroleum, basic pharmaceutical, computer,	1,121	245	-	-	8	-32	750	972	2,092
	electronic & optical products, machinery and equipment n.e.c.,									
	furniture, other manufacturing	27,283	8,645	-	1,972	10,521	1,459	111,901	134,497	161,781
	Manufacture of chemicals and chemical products	8,798	1,259	_		1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	_	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876 40	-	-	12,158 2	397 13	373	16,804 54	19,609
	Repair and installation of machinery and equipment Electricity and gas supply	1,101 4,209	2,256		143	5	96	33	2,533	1,156 6,742
	Water collection, treatment and supply	90	256	_	43	-	2	-	301	391
	Sewerage, waste collection and remediation services	995	541	_	240	5	34	_	821	1,816
	Construction and construction works	6,439	657	_	-	12,665	-	_	13,322	19,760
	Wholesale and retail trade and repair of vehicles	975	246	_	-	0	-	_	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
	Retail trade	159	88	-	-	21	-	-	108	267
	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
	Water transport services	399	97	-	-	-	-	277	374	773
	Air transport services Warehousing	1,300 1,972	1,331 327	-	-	1	-	3,781 50	5,112 378	6,412 2,349
	Postal and courier services	994	327	-	-	0	-	550	378 946	1,940
	Accommodation services	438	2,567		-	0	-	364	2,932	3,371
	Food and beverage services	580	5,672	_	_	0	_	378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901	_	178	3,505	-	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	-	60	15	-	700	3,218	5,280
	Computer programming, consultancy and data processing	11,405	269	-	-	8,372	-	40,235	48,876	60,282
	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
	Real estate activities Legal and accounting activities	3,565 4,875	14,792 219	-	979	279 717	-	-	16,050 936	19,615 5,811
	Head office and management consultancy activities	4,873	219	-	-	218	-	1,394	1,612	5,621
	Architectural and engineering services	1,552	15		-	421		243	679	2,231
	Scientific research and development services	17,549	-	_	193	9,356	_	3,765	13,314	30,863
	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
	Employment services	1,670	56	-	-	2	-	-	58	1,728
	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
	Education services Human health and social work activities	1,471 1.681	2,359 3,523	1,130	5,593 11.247	581 33	-	395	8,533 16,328	10,003 18,009
	Human health and social work activities Cultural, arts and gambling activities	1,681 420	3,523 865	1,130	11,247	204	-	395 175	16,328	18,009
	Recreation and sports activities	502	551		-	204	-	175	738	1,664
	Membership organisation services	571	1.122	571	-	0	-	- 100	1,693	2.264
	Repair of consumer goods	150	45	-	_	0	_	_	45	196
	Other personal service activities	702	963		-	0	-	-	963	1,665
	Private households with employed persons	-	53				_		53	53
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649	-		Cij/fob adju		n exports	-206	-206	-206
	Operating surplus, net	108,77		Expenditure				-	4,812	4,812
	Consumption of fixed capital	56,499 676	-3,640	Expenditu	by non-res			3,640		705.242
	Net taxes (taxes less subsidies) on production Gross value added at basic prices	243,595				rotar (a:	s per NIE)	320,565	507,352	785,243
	Output at basic prices ( = last row of Table 1)	243,595 521 486	l							

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

#### NIE2017 Table 5 (published July 2018)

							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	96,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,19	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -ltem 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
86. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
88. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
91. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221
1 Perliainan							
<sup>1</sup> Preliminary <sup>2</sup> Excluding factor income flow s							

Final consumption expenditure of government

=

NIE item 79(b)

=

€5,412 million in 2015

+

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

NIE item 80

=

€26,826 million in 2015

= €32,238 million in 2015

2015 Use Table – Table 2 (published 2018)

	L 2		-			•				<del>\                                    </del>
		stry	ımption excl govt		.e	雪		JE .		.⊑
		npc	npti xcl		n pt	gb		ф. Э	nses	습
		<u>-</u>	nsur ds, e		nsur Isfe	9 c	<u>.</u> ⊑.,≌	ç. ⊖	n   n	sa dns
		i.	holo	=	ta is	s fiy	nge nto	oari	Fotal Final	otal uses = total supply able 1)
		Total inter-industry	Final consumption of h'holds, excl gov transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Pota	Total uses  = total su Table 1)
NACE	Products		4 0 4		0 4	0 4	<u> </u>	ш 0		FOF
1-3	Agriculture, forestry and fishing	7,696	2,161	_	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
17	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
18 19.21.	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
26.28.	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,									1
31.32	furniture, other manufacturing	27.283	8.645	_	1.972	10.521	1.459	111,901	134.497	161.781
20	Manufacture of chemicals and chemical products	8,798	1,259		1,5/2	1.576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2.176	549	_		27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1.852	217	_		12	59	470	758	2,610
24	Manufacture of basic metals	1.856	7	_	_		-3	796	806	2,662
25	Manufacture of fabricated metal products	1,751	322	_	_	181	33	1.585	2.120	3,871
27	Manufacture of electrical equipment	1,775	301	_	_	339	207	1,046	1.893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
	Retail trade	159	88	-		21	-	-	108	267
	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
	Water transport services	399	97	-	-	-	-	277	374	773
	Air transport services Warehousing	1,300 1.972	1,331 327	-	-	1	-	3,781 50	5,112 378	6,412 2,349
	Postal and courier services	994	327	-	-	0	-	550	378 946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672			0		378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901	_	178	3.505	_	14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	_	60	15	_	700	3,218	5,280
	Computer programming, consultancy and data processing	11,405	269	_	-	8,372	-	40,235	48,876	60,282
64	Financial service activities	15,881	1,599	-	-	20	-	14,969	16,588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
73-75	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78	Employment services	1,670	56	-	-	2	-	-	58	1,728
79 80-82	Travel agency and tourism service activities Security, office and business support activities	201 3.153	390 59	-	-	1 185	-	-	392 244	593 3,397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
84 85	Education services	1,399	2,359	-	5.593	581	-	30	8,533	10,003
86-88	Human health and social work activities	1,471	3,523	1,130	5,593 11,247	33	_	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	3,323 865	-,130		204	-	175	1,244	1,664
93	Recreation and sports activities	502	551		-	0	_	188	738	1,241
94	Membership organisation services	571	1,122	571	_	0	_	-	1,693	2,264
95	Repair of consumer goods	150	45	-	-	0	_	_	45	196
96	Other personal service activities	702	963	/		0	_	_	963	1,665
97	Private households with employed persons		53			1	-	-	53	53
•	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649	-			istments o		-206	-206	-206
	Operating surplus, net	108,771	4,812	Expenditure				-	4,812	4,812
	Consumption of fixed capital	56,499	-3,640	Expenditure	by non-res			3,640	-	-
	Net taxes (taxes less subsidies) on production	676				Total (a	s per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595								
	Output at basic prices ( = last row of Table 1)	521,486	l							

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

#### NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							C 310
Description	ESA Code	2012	2013	2014	2015	2016	€ million
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20		128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,268
85. Statistical discrepancy (equals -ltem 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
86. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
87. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
88. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
91. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221
<sup>1</sup> Preliminary							
<sup>2</sup> Excluding factor income flow s							

Gross domestic fixed capital formation

=

NIE item 81

=

€63,341 million in 2015

+

Net additions to the breeding stocks

=

NIE item 82(a)

=

€128 million in 2015

= €63,469 million in 2015

2015 Use Table - Table 2 (published 2018)

	In w trie		<u> </u>		DIC		Lai			LDU
		≥-	_ \( \)		=	_		g.		••
		nst	mption excl govt		ję.	pita		(free	S	.E.
		Ë			il Sia	8	10	<u>.</u>	uses	dd
		Total inter-industry	Final consumption of h'holds, excl gov transfers		Govt consumption plus transfers	Gross fixed capital formation	Change in nventories	Exports f.o.b. on board)	na	otal uses = total supply able 1)
		<u>=</u> .	inal con of h'hold ransfers	NPISH	At CC	Gross fixer Formation	inge	Exports f.o	Total Final	Total uses ( = total su Table 1)
		1º	of F	를	S ald	Go for	Change in inventories	ᇫ	Tot	Tot (= 1 Tab
NACE	Products									
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577
	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052
	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144
	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495
	Manufacture of pulp, paper and paper products Printing and reproduction of recorded media	1,168	387 245	-	-	8	29 -32	250 750	665 972	1,833 2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,	1,121	245	-	-	8	-32	750	9/2	2,092
-, ,	electronic & optical products, machinery and equipment n.e.c.,									
-, -,	furniture, other manufacturing	27,283	8,645	_	1,972	10,521	1,459	111,901	134,497	161,781
	Manufacture of chemicals and chemical products	8,798	1,259	_	-,	1,576	358	24,300	27,494	36,291
	Manufacture of rubber and plastic products	2,176	549	_	_	27	69	1,113	1,758	3,934
	Manufacture of other non-metallic mineral products	1,852	217	_	-	12	59	470	758	2,610
	Manufacture of basic metals	1,856	7	_	-	5	-3	796	806	2,662
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871
	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
	Sewerage, waste collection and remediation services	995	541	-	240	5	34	-	821	1,816
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176
47	Retail trade	159	88	-		21	-		108	267
49	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
50	Water transport services	399	97	-	-	-	-	277	374	773
51	Air transport services	1,300	1,331	-	-		-	3,781	5,112	6,412
52 53	Warehousing Postal and courier services	1,972 994	327 396	-	-	1 0	-	50 550	378 946	2,349 1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901		178	3.505		14,851	19,435	21,952
61	Telecommunications services	2,062	2,444	_	60	15	_	700	3,218	5,280
	Computer programming, consultancy and data processing	11,405	269	_	-	8,372	_	40,235	48,876	60,282
	Financial service activities	15,881	1.599	_	_	20	_	14,969	16.588	32,469
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621
71	Architectural and engineering services	1,552	15	-	-	421	-	243	679	2,231
	Scientific research and development services	17,549	-	-	193	9,356	-	3,765	13,314	30,863
	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
	Employment services	1,670	56	-	-	2	-	-	58	1,728
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593
	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397
_	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
	Education services	1,471	2,359		5,593	581	-	-	8,533	10,003
	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
	Recreation and sports activities	502 571	551	- 571	-	0	-	188	738	1,241
_	Membership organisation services	150	1,122 45	5/1	-	0	-	-	1,693 45	2,264 196
	Repair of consumer goods Other personal caption activities	702	45 963	-		U	-	-	45 963	
	Other personal service activities Private households with employed persons	/02	963 53			_		- [	963 53	1,665 53
31	Total intermediate consumption	277,891	84,073	1,701	32,2 8	63,469	4,134	317,131	502,746	780,638
	Compensation of Employees	77,649			Cif/fob a liu		exports	-206	-206	-206
	Operating surplus, net	108,771	4,812		e outside the			-	4,812	4,812
	Consumption of fixed capital	56,499		Expenditure			ŀ	3,640	- ,	- ,
	Net taxes (taxes less subsidies) on production	676	.,		,	Total (as	per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595								
	Output at basic prices ( = last row of Table 1)	521,486								

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

#### NIE2017 Table 5 (published July 2018)

·							
							€ millio
escription	ESA Code	2012	2013	2014	2015	2016	2017
9. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,89
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,83
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,06
0. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,58
Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63.341	97,645	69,03
2. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,16	2,274	6,437	3,53
of which					$\bowtie$		
82(a) Net additions to the breeding stocks		83	-20	(	128	35	2
3. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,350	320,565	328,235	352,55
4. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,886	-285,882	-263,26
5. Statistical discrepancy (equals -ltem 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,77
6. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,11
7. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,96
	(net to abroad)						
8. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,14
9. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,50
0. EU taxes	D.2	-242	-247	-275	-327	-486	-43

<sup>2</sup>Excluding factor income flow s

Value of physical changes in stocks (Change in inventories)

NIE item 82

=

€2,274 million in 2015

\_

Net additions to the breeding stocks

=

NIE item 82(a)

=

€128 million in 2015

+

Statistical discrepancy

=

NIE item 85 (= item 12)

=

€1,987 million in 2015

= €4,134 million in 2015

**2015 Use Table – Table 2 (published 2018)** 

_					$\mathbf{M}$	•	LU			
		Total inter-industry	mption excl govt		tion	Ī		(free		.⊑
		indu	I consumption holds, excl gov sfers		ers	capital		.p. (	nses	λįddr
		iter-	onsu ilds,		onsu	io ke	e in	s f.o rd)	inal	SS IS
		<u>a</u> <u>=</u> :	Final consu of h'holds, transfers	NPISH	Govt consumption plus transfers	Gross fixed formation	Change in nventories	Exports f.o.b. on board)	Fotal Final	Total uses ( = total su <sub>l</sub> Table 1)
NACE	Destructs	은	手を記	눌	ਲ ਵ	9 9	ಕಿ.≦	<u>а</u> 6	To	Ta Ta
NACE 1-3	Products Agriculture, forestry and fishing	7,696	2,161	_	_	129	-11	1,658	3,937	11,633
	Mining, quarrying and extraction	3,435	244	_	8	205	246	439	1,142	4,577
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777
	Manufacture of textiles	309 485	392 3,087	-	-	54 0	24 489	272 84	743 3,660	1,052 4,144
	Manufacture of wearing apparel Manufacture of leather and related products	119	609	-	-	0	104	33	745	864
	Manufacture of wood and wood products (excluding furniture)	926	102	_	_	14	29	423	569	1.495
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833
	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer,									
26,28,	electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8.645	_	1.972	10.521	1,459	111.901	134,497	161.781
20	Manufacture of chemicals and chemical products	8,798	1,259	_	-	1,576	358	24,300	27,494	36,291
22	Manufacture of rubber and plastic products	2,176	549	-	-	27	69	1,113	1,758	3,934
23	Manufacture of other non-metallic mineral products	1,852	217	-	-	12	59	470	758	2,610
24 25	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662
25	Manufacture of fabricated metal products Manufacture of electrical equipment	1,751 1,775	322 301	-	-	181 339	33 207	1,585 1,046	2,120 1,893	3,871 3,668
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3.876	-	-	12.158	397	373	16,804	19,609
33	Repair and installation of machinery and equipment	1,101	40	-	-	2	13	-	54	1,156
35	Electricity and gas supply	4,209	2,256	-	143	5	96	33	2,533	6,742
36	Water collection, treatment and supply	90	256	-	43	-	2	-	301	391
37-39 41-43	Sewerage, waste collection and remediation services Construction and construction works	995 6,439	541 657	-	240	5 12,665	34	-	821 13,322	1,816 19,760
41-43	Wholesale and retail trade and repair of vehicles	975	246	-	-	12,005	-	-	246	1,221
	Wholesale trade	12,334	462	_	_	651	_	28,728	29,842	42,176
47	Retail trade	159	88	-	-	21	-	-	108	267
	Land transport services	2,188	2,103	-	248	0	-	154	2,506	4,694
	Water transport services	399 1.300	97 1.331	-	-	-	-	277 3.781	374	773
	Air transport services Warehousing	1,300	327	-	-	1	-	5,761	5,112 378	6,412 2.349
	Postal and courier services	994	396	_	_	0	_	550	946	1,940
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371
	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630
	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952
61 62-63	Telecommunications services Computer programming, consultancy and data processing	2,062 11,405	2,444 269	-	60	15 8,372	-	700 40,235	3,218 48,876	5,280 60,282
	Financial service activities	15,881	1,599	_	_	20	_	14,969	16,588	32,469
	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360
	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703
	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615
	Legal and accounting activities Head office and management consultancy activities	4,875 4.009	219	-	-	717 218	-	1.394	936 1,612	5,811 5,621
	Architectural and engineering services	1,552	15		-	421	-	243	679	2,231
	Scientific research and development services	17,549	-	_	193	9,356	_	3,765	13,314	30,863
	Advertising, market research, other professional & scientific services	16,070	220	-	-	582	-	6,352	7,154	23,224
77	Rental and leasing activities	63,831	917	-	-	6	-	19,958	20,882	84,713
78 79	Employment services	1,670	56 390	-	-	2	-	-	58	1,728
	Travel agency and tourism service activities Security, office and business support activities	201 3.153	390 59		-	185		-	392 244	593 3.397
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005
85	Education services	1,471	2,359	-	5,593	581	-	-	8,533	10,003
86-88	Human health and social work activities	1,681	3,523	1,130	11,247	33	-	395	16,328	18,009
90-92	Cultural, arts and gambling activities	420	865	-	-	204	-	175	1,244	1,664
93 94	Recreation and sports activities  Membership organisation services	502 571	551 1.122	- 571	-	0	-	188	738 1.693	1,241 2.264
95	Repair of consumer goods	150	1,122 45	- 5/1	-	0	-	-	1,693	196
96	Other personal service activities	702	963	-	-	9		-	963	1,665
97	Private households with employed persons	-	53	-	-		-	-	53	53
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,419	4,134	817,131	502,746	780,638
	Compensation of Employees Operating surplus, net	77,649 108,771	4,812	Expenditure	Cif/fob adju		n exports	-206	-206 4,812	-206 4,812
	Consumption of fixed capital	56,499		Expenditure				3,640	4,012	4,012
	Net taxes (taxes less subsidies) on production	676	3,070	penanure	, 163		s per NIE)	320,565	507,352	785,243
	Gross value added at basic prices	243,595								
	Output at basic prices ( = last row of Table 1)	521,486	J							

This **Changes stocks** figure of **€2,274 million** from Table 5 of the NIE minus the Net additions to the breeding stocks figure of **€128 million** plus the **Statistical Discrepancy** figure of **€1,987 million** is consistent with the change in inventories figure of **€4,134 million** found in the final uses at the right of the Use Table. 42

#### NIE2017 Table 5 (published July 2018)

Table 5 Expenditure on Gross National Income at Current Market Prices							
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017
79. Personal consumption of goods and services	P.3	84,825	85,855	88,745	92,358	96,908	99,897
of which:							
79(a) Final consumption expenditure of households and NPISHs		79,606	80,869	83,643	86,946	91,212	93,837
79(b) Final consumption expenditure of government		5,219	4,986	5,102	5,412	5,696	6,060
80. Net expenditure by central and local government on current goods and services	P.3	25,740	25,462	26,199	26,826	27,780	29,585
81. Gross domestic fixed capital formation	P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
82. Value of physical changes in stocks	P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
of which							
82(a) Net additions to the breeding stocks		83	-20	1	128	35	21
83. Exports of goods and services <sup>2</sup>	P.6	183,013	186,244	214,35	320,565	328,235	352,556
84. Imports of goods and services <sup>2</sup>	P.7	-152,399	-152,456	-179,164	-244,686	-285,882	-263,268
85. Statistical discrepancy (equals -ltem 12, Table 1)		-1,467	1,004	1,586	1,987	2,114	2,773
86. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
87. Net factor income from the rest of the w orld	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
88. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
89. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
90. EU taxes	D.2	-242	-247	-275	-327	-486	-433
91. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flow s

Exports of goods and services

=

NIE item 83

=

€320,565 million in 2015

Note: Imports and Exports are valued as f.o.b. in the NIE – free on board. Imports are valued as c.i.f. in the S&UT – cost, insurance and freight. The difference between the two is relatively small and is shown in an adjustment in the S&UT for consistency. There is also an adjustment for expenditure by non-43 residents.

Table 2 2015 Use Table at purchasers' prices €m

2015 Use Table - Table 2 (published 2018)

	tric		JJC		DIC					Lhr	4
		.≥	⊊ ¥		E	_		(free		_	l
		dust	mption excl govt		ig	pit.		£.	nses		l
		듄			ife ii	8 -	_ 83	o.b	sn	ddn	l
		inte	al cons h'holds nsfers	-	cons	ation at	ge ir tori	ts f.	Fina	use: tals 1)	l
		ſotal inter-industry	Final consumption of h'holds, excl gov transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. on board)	Fotal Final	Total uses ( = total supply Table 1.)	l
NACE	Products	F	40 1	z	<u> </u>	9 2	ے. ن	йо	1	± > ±	l
1-3	Agriculture, forestry and fishing	7,696	2,161	_	-	129	-11	1,658	3,937	11,633	l
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577	l
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103	l
	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777	l
13 14	Manufacture of textiles  Manufacture of wearing apparel	309 485	392 3,087	-	-	54 0	24 489	272 84	743 3.660	1,052 4.144	l
	Manufacture of wearing apparer  Manufacture of leather and related products	119	609		-	0	104	33	745	864	l
	Manufacture of wood and wood products (excluding furniture)	926	102	_	_	14	29	423	569	1.495	l
	Manufacture of pulp, paper and paper products	1,168	387	-	-	-	29	250	665	1,833	l
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092	ı
	Manufacture of refined petroleum, basic pharmaceutical, computer,										ı
	electronic & optical products, machinery and equipment n.e.c., furniture, other manufacturing	27,283	8,645		1,972	10.521	1,459	111,901	134,497	161,781	ı
20	Manufacture of chemicals and chemical products	8,798	1,259		1,972	1.576	358	24,300	27.494	36,291	ı
	Manufacture of rubber and plastic products	2,176	549		_	27	69	1,113	1,758	3,934	ı
	Manufacture of other non-metallic mineral products	1,852	217	_	_	12	59	470	758	2,610	l
24	Manufacture of basic metals	1,856	7	-	-	5	-3	796	806	2,662	ı
	Manufacture of fabricated metal products	1,751	322	-	-	181	33	1,585	2,120	3,871	ı
27	Manufacture of electrical equipment	1,775	301	-	-	339	207	1,046	1,893	3,668	l
	Manufacture of motor vehicles, trailers, other transport equipment	2,806	3,876	-	-	12,158	397	373	16,804	19,609	ı
	Repair and installation of machinery and equipment Electricity and gas supply	1,101 4,209	40 2,256	-	143	2	13 96	33	54 2,533	1,156 6,742	l
36	Water collection, treatment and supply	4,209	2,230		43	-	20	-	301	391	ı
	Sewerage, waste collection and remediation services	995	541	_	240	5	34	_	821	1,816	l
41-43	Construction and construction works	6,439	657	-	-	12,665	-	-	13,322	19,760	ı
45	Wholesale and retail trade and repair of vehicles	975	246	-	-	0	-	-	246	1,221	ı
46	Wholesale trade	12,334	462	-	-	651	-	28,728	29,842	42,176	ı
47	Retail trade	159	88	-	-	21	-	-	108	267	ı
49 50	Land transport services	2,188 399	2,103 97	-	248	0	-	154 277	2,506 374	4,694 773	ı
51	Water transport services Air transport services	1,300	1,331		-	-	-	3,781	5,112	6,412	ı
52	Warehousing	1,972	327	_	_	1	_	50	378	2,349	ı
53	Postal and courier services	994	396	-	-	0	-	550	946	1,940	ı
55	Accommodation services	438	2,567	-	-	0	-	364	2,932	3,371	ı
56	Food and beverage services	580	5,672	-	-	0	-	378	6,051	6,630	ı
58-60	Publishing, film and broadcasting services	2,517	901	-	178	3,505	-	14,851	19,435	21,952	ı
61 62-63	Telecommunications services Computer programming, consultancy and data processing	2,062 11.405	2,444 269	-	60	15 8,372	-	700 40,235	3,218 48,876	5,280 60,282	l
64	Financial service activities	15.881	1,599			20		14,969	16,588	32,469	ı
65	Insurance, reinsurance and pension funding	9,365	1,735	-	587	9	-	10,664	12,995	22,360	ı
66	Other financial activities	5,433	412	-	-	14	-	1,844	2,270	7,703	l
68	Real estate activities	3,565	14,792	-	979	279	-	-	16,050	19,615	l
69	Legal and accounting activities	4,875	219	-	-	717	-	-	936	5,811	ı
70	Head office and management consultancy activities	4,009	-	-	-	218	-	1,394	1,612	5,621	l
71 72	Architectural and engineering services Scientific research and development services	1,552 17.549	15	-	193	421 9.356	-	243 3,765	679 13.314	2,231 30.863	l
	Advertising, market research, other professional & scientific services	16,070	220		193	582	-	6,352	7,154	23,224	ı
77	Rental and leasing activities	63,831	917	_	_	6	_	19,958	20,882	84.713	l
78	Employment services	1,670	56	-	-	2	-	-	58	1,728	ı
79	Travel agency and tourism service activities	201	390	-	-	1	-	-	392	593	ı
	Security, office and business support activities	3,153	59	-	-	185	-	-	244	3,397	l
84	Public administration	1,399	508	-	10,745	317	-	36	11,606	13,005	ı
85 86-88	Education services Human health and social work activities	1,471 1,681	2,359 3,523	1,130	5,593 11,247	581 33	-	395	8,533 16,328	10,003 18,009	l
	Human health and social work activities Cultural, arts and gambling activities	1,681 420	3,523 865	1,130	11,24/	33 204	-	395 175	16,328 1,244	18,009 1.664	l
	Recreation and sports activities	502	551	-	-	204	_	175	738	1,664	l
	Membership organisation services	571	1,122	571	-	0	-	-	1,693	2,264	l
	Repair of consumer goods	150	45		-	0	-	-	45	196	ı
96	Other personal service activities	702	963	-	-	0	-		963	1,665	l
97	Private households with employed persons	-	53	-	-	-	-,		53	53	l
	Total intermediate consumption	277,891	84,073	1,701	32,238	63,469	4,134	317,131	02,746	780,638	l
	Compensation of Employees Operating surplus, net	77,649 108,771	1 212		Cif/fob adju e outside the		ıı export	-206	-206 4,812	-206 4,812	l
	Consumption of fixed capital	56,499			e outsiae tne e by non-res		1	3,640	-+,012	4,012	l
	Net taxes (taxes less subsidies) on production	676	3,040	1-Aperianui	,		s per NIE)		507,352	785,243	l
	Gross value added at basic prices	243,595					, i				
	Output at basic prices ( = last row of Table 1)	521,486	j								

This **Exports of goods** and services figure of €320,565 million from Table 5 of the NIE is consistent with the Exports figure of €317,131 million + adjustment for cif/fob of -€206 million + adjustment for expenditure by nonresidents €3,640= €320,565 million found in the final uses of the Use Table again provided by product type. 44

#### NIE2017 Table 5 (published July 2018)

						€ million
ESA Code	2012	2013	2014	2015	2016	2017 <sup>1</sup>
P.3	84,825	85,855	88,745	92,358	96,908	99,897
	79,606	80,869	83,643	86,946	91,212	93,837
	5,219	4,986	5,102	5,412	5,696	6,060
P.3	25,740	25,462	26,199	26,826	27,780	29,585
P.51 & P.53	34,455	33,595	40,416	63,341	97,645	69,035
P.51 & P.52	1,049	219	3,161	2,274	6,437	3,532
	83	-20	1	128	35	21
P.6	183,013	186,244	214,350	320,565	328,235	352,556
P.7	-152,399	-152,456	-179,16	-244,886	-285,882	-263,268
	-1,467	1,004	1,586	1,987	2,114	2,773
B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
(net to abroad)						
	139,871	150,637	163,886	200,423	222,156	233,149
D.3	1,632	1,450	1,318	1,571	1,479	1,504
D.2	-242	-247	-275	-327	-486	-433
B.5*g	141,261	151,840	164,929	201,667	223,150	234,221
	P.3  P.3  P.51 & P.53  P.51 & P.52  P.6  P.7  B.1*g  D.1 & D.4  (net to abroad)  D.3  D.2	P.3 84,825  79,606  5,219  P.3 25,740  P.51 & P.53 34,455  P.51 & P.52 1,049  83  P.6 183,013  P.7 -152,399  -1,467  B.1*g 175,216  D.1 & D.4 -35,345  (net to abroad)  139,871  D.3 1,632  D.2 -242	P.3 84,825 85,855  79,606 80,869 5,219 4,986 P.3 25,740 25,462 P.51 & P.53 34,455 33,595 P.51 & P.52 1,049 219  83 -20 P.6 183,013 186,244 P.7 -152,399 -152,456 -1,467 1,004 B.1*g 175,216 179,922 D.1 & D.4 -35,345 -29,285 (net to abroad)  139,871 150,637 D.3 1,632 1,450 D.2 -242 -247	P.3       84,825       85,855       88,745         79,606       80,869       83,643         5,219       4,986       5,102         P.3       25,740       25,462       26,199         P.51 & P.53       34,455       33,595       40,416         P.51 & P.52       1,049       219       3,161         P.6       183,013       186,244       214,350         P.7       -152,399       -152,456       -179,16         -1,467       1,004       1,586         B.1*g       175,216       179,922       195,293         D.1 & D.4       -35,345       -29,285       -31,407         (net to abroad)       139,871       150,637       163,886         D.3       1,632       1,450       1,318         D.2       -242       -247       -275	P.3       84,825       85,855       88,745       92,358         79,606       80,869       83,643       86,946         5,219       4,986       5,102       5,412         P.3       25,740       25,462       26,199       26,826         P.51 & P.53       34,455       33,595       40,416       63,341         P.51 & P.52       1,049       219       3,161       2,274         P.6       183,013       186,244       214,350       229,565         P.7       -152,399       -152,456       -179,16       -244,886         -1,467       1,004       1,586       1,987         B.1*g       175,216       179,922       195,293       262,466         D.1 & D.4       -35,345       -29,285       -31,407       -62,043         (net to abroad)       139,871       150,637       163,886       200,423         D.3       1,632       1,450       1,318       1,571         D.2       -242       -247       -275       -327	P.3       84,825       85,855       88,745       92,358       96,908         79,606       80,869       83,643       86,946       91,212         5,219       4,986       5,102       5,412       5,696         P.3       25,740       25,462       26,199       26,826       27,780         P.51 & P.53       34,455       33,595       40,416       63,341       97,645         P.51 & P.52       1,049       219       3,161       2,274       6,437         R.51 & P.52       1,049       219       3,161       2,274       6,437         R.6       183,013       186,244       214,350       329,665       328,235         R.7       -152,399       -152,456       -179,160       -244,886       -285,882         R.1*g       175,216       179,922       195,293       262,466       273,238         D.1 & D.4       -35,345       -29,285       -31,407       -62,043       -51,082         (net to abroad)       139,871       150,637       163,886       200,423       222,156         D.3       1,632       1,450       1,318       1,571       1,479         D.2       -242       -247       -275

<sup>1</sup>Preliminary

<sup>2</sup>Excluding factor income flow s

Imports of goods and services

=

NIE item 84

=

€244,886 million in 2015

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

Table 1 2015 Supply Table at basic prices €m 2015 Supply Table – Table 1 (published 2018)

		սբի	JIY	Ian		IGI	
	Industries					1	
		Total domestic	Imports c.i.f. (cost, insurance & freight inclusive)	Trade margins	Taxes on products	Subsidies on products	Total supply at purchasers' prices (=
1-3	Products	8,456	1.261	1,790	170	-43	11,63
1-3 5-9	Agriculture, forestry and fishing Mining, quarrying and extraction	888	3,151	411	127	-45	4,57
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,10
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	-	8,77
13	Manufacture of textiles	273	481	210	88	-	1,05
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,14
15	Manufacture of leather and related products	35	609	100	121	-	86
16 17	Manufacture of wood and wood products (excluding furniture)	914 456	432 1,090	125 130	25 157	-	1,49 1,83
18	Manufacture of pulp, paper and paper products Printing and reproduction of recorded media	1,011	204	822	157 55	-	2,09
19.21.	Manufacture of refined petroleum, basic pharmaceutical, computer,	1,011	204	022	33		2,03
26,28,	electronic & optical products, machinery and equipment n.e.c.,						
31,32	furniture, other manufacturing	113,442	30,754	12,518	5,069	-3	161,78
20	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,29
22	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,93
23	Manufacture of other non-metallic mineral products	1,581	633	338	59	-	2,61
24 25	Manufacture of basic metals  Manufacture of fabricated metal products	830 2,173	1,335 1,123	497 441	1 135	-	2,66 3,87
25 27	Manufacture of fabricated metal products  Manufacture of electrical equipment	2,173 1,062	1,123 2,036	441 382	135 187	-	3,87
29-30	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,60
33	Repair and installation of machinery and equipment	1.119	-	19	18	-	1,15
35	Electricity and gas supply	6,225	74	58	385	-	6,74
36	Water collection, treatment and supply	267	-	3	121	-	39
37-39	Sewerage, waste collection and remediation services	1,713	0	21	82	-	1,81
41-43	Construction and construction works	17,418	-	-	2,342	-	19,76
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018	28	-	1,22
46	Wholesale trade	33,558	27,277	-18,683	23	-	42,17
47 49	Retail trade	10,748	-	-10,492	10	-	26
49 50	Land transport services Water transport services	4,571 593	169 180	-	30 0	-76	4,69 77
51	Air transport services	5,280	1,130	=	2	-	6,41
52	Warehousing	2,302	63	_	3	-19	2,34
53	Postal and courier services	1,467	411	=	62	-	1,94
55	Accommodation services	1,770	1,285	-	316	-	3,37
56	Food and beverage services	5,427	115	-	1,088	-	6,63
58-60	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,95
61	Telecommunications services	3,823	1,087	-	370	-	5,28
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-	60,28
64 65	Financial service activities	21,214	11,159	-	96 540	-	32,46
66	Insurance, reinsurance and pension funding Other financial activities	14,531 6.650	7,289 591	-	463	-	22,36 7,70
68	Real estate activities	19,402	- 351	-	213	-	19,61
69	Legal and accounting activities	5,437	63	-	314	-3	5,81
70	Head office and management consultancy activities	4,073	1,520	-	27	-	5,62
71	Architectural and engineering services	2,151	69		11	-	2,23
72	Scientific research and development services	3,786	27,077	-	0	-	30,86
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-	23,22
77	Rental and leasing activities	20,354	63,903	Ξ	456	-	84,71
78	Employment services	1,710	-	=-	18	-	1,72
79 80-82	Travel agency and tourism service activities	548	-	-	45 44	-	59 3,39
84	Security, office and business support activities Public administration	3,354 12,946	28	_	44 31	-	13,00
85	Education services	10,384	- 20	-	4	-385	10,00
36-88	Human health and social work activities	18,351	16	=	7	-364	18,00
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-	1,66
93	Recreation and sports activities	1,143	54	=.	43	-	1,24
94	Membership organisation services	2,263	-	-	1	-	2,26
95	Repair of consumer goods	182	-	=-	14	-	19
96	Other personal service activities	1,510	25	=	130	-	1,66
97	Private households with employed persons	53	240.200	-	10.764	- 002	700.63
	Total output by industry (= last row of Table 2)	521,486	240,280	0 Cif fob adju	19,764	-893	780,63
			-206	cıj <u>a</u> j ob adju	surrents on	iiiports	-20
			1812	Expenditure	outside the	State	4,81

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

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

(Note the sectors here are based on NACE Rev. 2 A10 breakdown	. For further details see the metho	odology notes)					
							€ million
Description	ESA Code	2012	2013	2014	2015	2016	2017
46.1 Agriculture, forestry and fishing	B.1g	1,716	1,954	2,419	2,297	2,537	3,444
46.2 Industry (excluding construction)	B.1g	40,175	40,195	43,882	94,738	91,960	99,524
46.3 of which: Manufacturing	B.1g	35,230	35,240	39,005	90,388	87,466	93,863
46.4 Construction	B.1g	2,690	3,538	4,645	5,353	6,243	6,937
46.5 Distribution, transport, hotels and restaurants	B.1g	25,806	28,087	28,992	31,350	32,871	33,749
46.6 Information and communication	B.1g	15,412	16,802	19,000	22,230	23,670	28,459
46.7 Financial and insurance activities	B.1g	14,619	13,484	15,810	17,640	20,143	20,593
46.8 Real estate activities	B.1g	11,635	12,401	13,664	14,728	16,152	17,300
46.9 Professional, admin and support services	B.1g	15,604	17,243	19,963	25,303	28,469	31,347
46.10 Public administration, education and health	B.1g	27,670	27,900	27,475	28,463	29,599	30,737
46.11 Arts, entertainment and other services	B.1g	3,208	3,408	3,501	3,483	3,570	3,858
47. Statistical discrepancy (equals Item 12, Table 1)		1,467	-1,004	-1,586	-1,987	-2,114	-2,773
51. Gross value added at basic prices	B.1g	160,002	164,006	177,765	242,505	253,101	273,174
52. Product taxes	D.21	16,341	16,996	18,509	19,764	21,071	21,899
53. Product subsidies	D.31	-1,127	-1,079	-981	-893	-934	-962
54. Gross domestic product at current market prices	B.1*g	175,216	179,922	195,293	262,466	273,238	294,110
55. Net factor income from the rest of the world	D.1 & D.4	-35,345	-29,285	-31,407	-62,043	-51,082	-60,961
	(net to abroad)						
56. Gross national product at current market prices		139,871	150,637	163,886	200,423	222,156	233,149
57. EU subsidies	D.3	1,632	1,450	1,318	1,571	1,479	1,504
58. EU taxes	D.2	-242	-247	-275	-327	-486	-433
59. Gross national income at current market prices	B.5*g	141,261	151,840	164,929	201,667	223,150	234,221

Product taxes

=

NIE item 52

=

€19,764 million in 2015

**Product subsidies** 

=

NIE item 53

=

-€893 million in 2015

#### 2015 Supply Table – Table 1 (published 2018)

	Industries	2.  2	- <b>,</b>	- 0			
	mustres	Fotal domestic	Imports c.i.f. (cost, insurance & freight inclusive)	rade margins	axes on products	Subsidies on products	Total supply at purchasers' prices (=
		Tota	lm Sul	Trad	<u>ax</u>	Subs	Tota purc
NACE	Products						
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790		-43	11,633
5-9 10	Mining, quarrying and extraction  Manufacture of food products	888 20,841	3,151 6,408	411 6,679		-	4,577 34,103
	Manufacture of beverages and tobacco products	3,068	1,006	1,442		-	8,777
13	Manufacture of textiles	273	481	210		-	1,052
	Manufacture of wearing apparel	86	1,903	1,684		-	4,144
	Manufacture of leather and related products	35 914	609	100 125		-	864
16	Manufacture of wood and wood products (excluding furniture) Manufacture of pulp, paper and paper products	914 456	432 1,090	125 130		-	1,495 1,833
18	Printing and reproduction of recorded media	1,011	204	822		-	2,092
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,						
26,28,	electronic & optical products, machinery and equipment n.e.c.,						
31,32	furniture, other manufacturing	113,442	30,754	12,518		-3	161,781
20 22	Manufacture of chemicals and chemical products  Manufacture of rubber and plastic products	26,081 1,687	9,061 1,858	899 229		-	36,291 3,934
23	Manufacture of rubber and plastic products  Manufacture of other non-metallic mineral products	1,581	633	338		-	2.610
24	Manufacture of basic metals	830	1,335	497		-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382		-	3,668
29-30		721	16,284	1,396		-	19,609
33 35	Repair and installation of machinery and equipment	1,119 6,225	74	19 58		-	1,156 6,742
36	Electricity and gas supply Water collection, treatment and supply	267	- 74	3	121	-	391
	Sewerage, waste collection and remediation services	1,713	О	21	82	-	1,816
	Construction and construction works	17,418	-	-	2,342	-	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	-	-1,018		-	1,221
	Wholesale trade	33,558	27,277	-18,683	23	-	42,176
47 49	Retail trade	10,748	-	-10,492		70	267
	Land transport services Water transport services	4,571 593	169 180	-	30 0	-76	4,694 773
51	Air transport services	5,280	1,130	_	2	-	6,412
52	Warehousing	2,302	63	-	3	-19	2,349
53	Postal and courier services	1,467	411	-	62	-	1,940
55	Accommodation services	1,770	1,285	-	316	-	3,371
56 58-60	Food and beverage services Publishing, film and broadcasting services	5,427 20,048	115 1.725	-	1,088 179	-	6,630 21,952
61	Telecommunications services	3.823	1,087	_	370	-	5,280
		58,936	1,189	-	157	-	60,282
64	Financial service activities	21,214	11,159	-	96	-	32,469
	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
	Other financial activities Real estate activities	6,650 19,402	591	-	463 213	-	7,703 19,615
	Legal and accounting activities	5,437	63	_	314	-3	5,811
	Head office and management consultancy activities	4,073	1,520	_	27	-	5,621
	Architectural and engineering services	2,151	69	-	11	-	2,231
	Scientific research and development services	3,786	27,077	-	0	-	30,863
		9,070	13,785	-	369	-	23,224
77 78	Rental and leasing activities	20,354	63,903	-	456	-	84,713
78 79	Employment services Travel agency and tourism service activities	1,710 548	_	-	18 45		1,728 593
80-82	Security, office and business support activities	3,354	_	_	44	_	3,397
84	Public administration	12,946	28	-	31	-	13,005
85	Education services	10,384	-	-	4	-385	10,003
86-88	Human health and social work activities	18,351	16	-	7	-364	18,009
90-92	Cultural, arts and gambling activities	1,293	370	-	1	-	1,664
93 94	Recreation and sports activities  Membership organisation services	1,143 2,263	54	-	43 1		1,241 2.264
95	Repair of consumer goods	182	] -	-	14	-	196
	Other personal service activities	1,510	25	-	130		1,665
	Private households with employed persons	53	-		-		53
	Total output by industry (= last row of Table 2)	521,486	240,280	010.00	19,764	-893	780,638
					liustments o ure cutside th		-206 4,812
					o h ner NIE		785 243

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

#### 2015 Supply Table – Table 1 (published 2018)

	Industries	l • •	•				
		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 1-3	Products	0.456	4 264	4 700	170	42	44.622
1-3 5-9	Agriculture, forestry and fishing	8,456 888	1,261 3,151	1,790 411	170 127	-43	11,633 4,577
10	Mining, quarrying and extraction  Manufacture of food products	20,841	6,408	6,679	175	-	34,103
	Manufacture of rood products  Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260	_	8,777
13	Manufacture of textiles	273	481	210	88	-	1,052
14	Manufacture of wearing apparel	86	1,903	1,684	471	-	4,144
15	Manufacture of leather and related products	35	609	100	121	-	864
16	Manufacture of wood and wood products (excluding furniture)	914	432	125	25	-	1,495
17	Manufacture of pulp, paper and paper products	456	1,090	130	157	-	1,833
18 19,21,	Printing and reproduction of recorded media	1,011	204	822	55	-	2,092
	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,						
	furniture, other manufacturing	113,442	30.754	12,518	5,069	-3	161.781
	Manufacture of chemicals and chemical products	26,081	9,061	899	251	-	36,291
	Manufacture of rubber and plastic products	1,687	1,858	229	160	-	3,934
	Manufacture of other non-metallic mineral products	1,581	633	338	59	-	2,610
24	Manufacture of basic metals	830	1,335	497	1	-	2,662
25	Manufacture of fabricated metal products	2,173	1,123	441	135	-	3,871
27	Manufacture of electrical equipment	1,062	2,036	382	187	-	3,668
	Manufacture of motor vehicles, trailers, other transport equipment	721	16,284	1,396	1,208	-	19,609
33	Repair and installation of machinery and equipment	1,119	74	19 58	18	-	1,156
35 36	Electricity and gas supply	6,225 267	/4	58 3	385 121	-	6,742 391
	Water collection, treatment and supply Sewerage, waste collection and remediation services	1,713	0	21	82		1,816
41-43	Construction and construction works	17,418	-	-	2,342	_	19,760
45	Wholesale and retail trade and repair of vehicles	2,211	_	-1,018	28	-	1,221
46	Wholesale trade	33,558	27,277	-18,683	23	-	42,176
47	Retail trade	10,748	-	-10,492	10	-	267
49	Land transport services	4,571	169	-	30	-76	4,694
50	Water transport services	593	180	-	0	-	773
51	Air transport services	5,280	1,130	-	2	-	6,412
	Warehousing	2,302	63 411	-	3 62	-19	2,349
55	Postal and courier services Accommodation services	1,467 1,770	1,285	_	316		1,940 3,371
56	Food and beverage services	5,427	1,285	_	1,088	-	6,630
	Publishing, film and broadcasting services	20,048	1,725	-	179	-	21,952
61	Telecommunications services	3,823	1,087	-	370	-	5,280
62-63	Computer programming, consultancy and data processing	58,936	1,189	-	157	-	60,282
-	Financial service activities	21,214	11,159	-	96	-	32,469
	Insurance, reinsurance and pension funding	14,531	7,289	-	540	-	22,360
	Other financial activities	6,650	591	-	463	-	7,703
68 69	Real estate activities Legal and accounting activities	19,402 5,437	63	-	213 314	-3	19,615 5,811
70	Head office and management consultancy activities	4,073	1,520	_	27	-3	5,621
71	Architectural and engineering services	2,151	69	_	11	-	2,231
72	Scientific research and development services	3,786	27,077	-	0	-	30,863
73-75	Advertising, market research, other professional & scientific services	9,070	13,785	-	369	-	23,224
77	Rental and leasing activities	20,354	63,903	=	456	-	84,713
	Employment services	1,710	-	-	18	-	1,728
79	Travel agency and tourism service activities	548	-	-	45	-	593
	Security, office and business support activities	3,354	-	-	44	-	3,397
84 85	Public administration Education services	12,946 10,384	28	=	31 4	-385	13,005 10,003
	Human health and social work activities	18,351	16	-	7	-364	18,009
	Cultural, arts and gambling activities	1,293	370	-	1	- 304	1,664
	Recreation and sports activities	1,143	54	-	43	-	1,241
	Membership organisation services	2,263	-	-	1	-	2,264
95	Repair of consumer goods	182	-	-	14	-	196
	Other personal service activities	1,510	25		130		1,665
97	Private households with employed persons	53	-		_		53
	Total output by industry (= last row of Table 2)	521,486	240,280	0	19,764	-893	780,638
			-206 4,812		stments on i		-206 4,812
				Imports f.o.		Total	785,243
			2,000	por ts j.o.	S. PCI IVIL	iotai	,05,245

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

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



#### **Contents**

#### Introduction

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



# **Table 1 Supply table**

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



### 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 nonmarket output, also output for own use



#### **Table 2 Use table**

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

### Supply & Use Tables and Input-Output Tables

#### Table 2 Use table

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



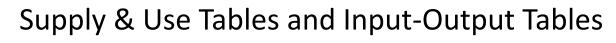
# **General Supply & Use Table issues**

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

### Supply & Use Tables and Input-Output Tables

# **General Supply & Use Table issues**

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





## Introduction

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

#### **Tables 3 - 7 Intermediate tables**

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



### **Tables 3 - 7 Intermediate tables**

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





## **Contents - continued**

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

#### Supply & Use Tables and Input-Output Tables

# **Tables 8 - 10 Input-Output tables**

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



# **Tables 8 - 10 Input-Output tables**

- Assumptions product technology assumption
- What are symmetric tables? Sum of entries in any row = sum of entries in corresponding column
- Calculation of Input-Output tables run through  $X_p = U^*S^{-1}q$  for Table 9 (domestic I/O):
- U = Use table at basic prices (imports/taxes in separate rows)
- **S** = Supply table (rows equal to vector q)
- Q = nxn matrix with row totals of S on the diagonal
- X\_p = product- by-product Input-Output table



## **Contents - continued**

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

### Supply & Use Tables and Input-Output Tables

#### **Tables 11 & 12 – Coefficients & Leontief**

How are the Leontief multipliers calculated?

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

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

Supply & Use Tables and Input-Output Tables

## **Tables 11 & 12 – Coefficients & Leontief**

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

# Tables 11 & 12 – Coefficients & Leontief

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

#### Supply & Use Tables and Input-Output Tables

#### **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**

- Input-Output tables
- Multipliers Coefficient & Leontief tables
- Repetition across the different tables
- Previous year prices real changes
- Future developments?
- 10. Summary charts

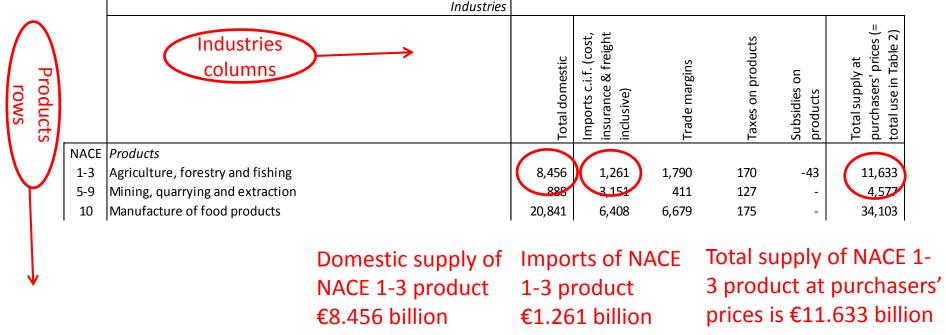


# Repetition across the different Tables

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

## Supply Table – Table 1

Table 1 2015 Supply Table at basic prices €m



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

## Use Table at purchasers' prices – Table 2

Table 2 2015 Use Table at purchasers' prices €m

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

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

## Use Table at basic prices – Table 3

Table 3 2015 Use table at basic prices €m

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

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

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

Table 4
2015 Use table for domestic inputs at basic prices €m

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

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

## Use Table for imports at basic prices – Table 5

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

	Industries									
		Total inter-industry	Final consumption of h'holds, excl govt transfers	HSIAN	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = total imports in Table 1)
NACE	Products									
1-3	Agriculture, forestry and fishing	1,030	301	-	-	18	-88	-	231	1,261
5-9	Mining, quarrying and extraction	2,686	184	-	8	109	164	-	465	3.151
10	Manufacture of food products	5,896	769	-	0	26	-282	-	512	6,408

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

## Use Table for trade margins – Table 6

Table 6 2015 Use table for Trade margins €m

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

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

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

Table 7
2015 Use table for Taxes less subsidies on products €m

	Industries										
		Total inter-industry	Final consumption of h'holds, excl govt transfers	NPISH	Govt consumption plus transfers	Gross fixed capital formation	Change in inventories	Exports f.o.b. (free on board)	Total Final uses	Total uses ( = taxes less subsidies in Table 1)	
NACE	Products										
1-3	Agriculture, forestry and fishing	71	56	-	-	-	-	-	56	126	)
5-9	Mining, quarrying and extraction	89	30	-	-	8	-	-	38	127	7
	Manufacture of food products	14	161	-	-	-	-	-	161	175	

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

# Total Input-Output Table – Table 8

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

**Total domestic inputs =** 

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

le 8 -5 Symmetric Input-Output Table of total product flows at basic prices €

2015 S	ymmetric Input-Output Table of total product flows at basic prices €m	
	Products	1-3
		Agriculture, forestry and fishing
NACE	Products	
1-3	Agriculture, forestry and fishing	1,615
5-9 10	Mining, quarrying and extraction  Manufacture of food products	44 1,682
11-12	Manufacture of beverages and tobacco products	1
13	Manufacture of textiles	12
14	Manufacture of wearing apparel	4
15 16	Manufacture of leather and related products  Manufacture of wood and wood products (excluding furniture)	0 5
17	Manufacture of pulp, paper and paper products	8
18	Printing and reproduction of recorded media	1
19,21, 26,28,	Manufacture of refined petroleum, basic pharmaceutical, computer, electronic & optical products, machinery and equipment n.e.c.,	
31,32	furniture, other manufacturing	370
20	Manufacture of chemicals and chemical products	260
22	Manufacture of rubber and plastic products	30
23 24	Manufacture of other non-metallic mineral products Manufacture of basic metals	7 9
25	Manufacture of fabricated metal products	17
27	Manufacture of electrical equipment	6
29-30	Manufacture of motor vehicles, trailers, other transport equipment	24
33 35	Repair and installation of machinery and equipment Electricity and gas supply	151 227
36	Water collection, treatment and supply	4
37-39	Sewerage, waste collection and remediation services	5
41-43 45	Construction and construction works Wholesale and retail trade and repair of vehicles	52 43
46	Wholesale trade	721
47	Retail trade	20
49 50	Land transport services	25 5
51	Water transport services Air transport services	1
52	Warehousing	5
53	Postal and courier services	4
55 56	Accommodation services Food and beverage services	1 2
58-60	Publishing, film and broadcasting services	7
61	Telecommunications services	34
62-63 64	Computer programming, consultancy and data processing Financial service activities	6 155
65	Insurance, reinsurance and pension funding	65
66	Other financial activities	0
68 69	Real estate activities Legal and accounting activities	4 29
70	Head office and management consultancy activities	1
71	Architectural and engineering services	1
72 73-75	Scientific research and development services	22 87
73-75	Advertising, market research, other professional & scientific services Rental and leasing activities	87 39
78	Employment services	3
79 80-82	Travel agency and tourism service activities	3 3
84	Security, office and business support activities Public administration	5
85	Education services	1
86-88	Human health and social work activities	0
90-92 93	Cultural, arts and gambling activities Recreation and sports activities	1 3
94	Membership organisation services	21
95	Repair of consumer goods	0
96 97	Other personal service activities Private households with employed persons	9
	Total intermediate consumption	5,862
	Product taxes less subsidies	176
	Total consumption at purchasers' prices  Compensation of Employees	6,038
	Operating surplus, net	638 2,502
	Consumption of fixed capital	851
	Non-product taxes less subsidies	1,573
	Value added Inputs (=Total domestic supply in Table 1)	2,418 8,456
	Imports (=Imports in Table 1)	1,261
	Total inputs (=Total domestic supply + Imports in Table 1)	9,717

## **Total Input-Output Table – Table 8**

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

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

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

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

## Total Domestic Input-Output Table – Table 9

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

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

Table 9	) ymmetric Input-Output Table of domestic product flows at basic prices	
€m	Products	1-3
		Agriculture, forestry and fishing
NACE 1-3	Products Agriculture forestry and fishing	1,575
5-9	Agriculture, forestry and fishing Mining, quarrying and extraction	42
10	Manufacture of food products	315
11-12 13	Manufacture of beverages and tobacco products	0
14	Manufacture of textiles Manufacture of wearing apparel	0
15	Manufacture of leather and related products	0
16	Manufacture of wood and wood products (excluding furniture)	2
17 18	Manufacture of pulp, paper and paper products Printing and reproduction of recorded media	1
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,	-
26,28,	electronic & optical products, machinery and equipment n.e.c.,	
31,32 20	furniture, other manufacturing Manufacture of chemicals and chemical products	72 39
22	Manufacture of rubber and plastic products	6
23	Manufacture of other non-metallic mineral products	5
24 25	Manufacture of basic metals  Manufacture of fabricated metal products	0 5
27	Manufacture of electrical equipment	0
29-30	Manufacture of motor vehicles, trailers, other transport equipment	2
33 35	Repair and installation of machinery and equipment	151 223
36	Electricity and gas supply Water collection, treatment and supply	4
37-39	Sewerage, waste collection and remediation services	5
41-43	Construction and construction works	52
45 46	Wholesale and retail trade and repair of vehicles Wholesale trade	43 70
47	Retail trade	20
49	Land transport services	25
50 51	Water transport services Air transport services	4 0
52	Warehousing	5
53	Postal and courier services	3
55 56	Accommodation services Food and beverage services	1 2
58-60	Publishing, film and broadcasting services	6
61	Telecommunications services	31
62-63 64	Computer programming, consultancy and data processing Financial service activities	6 49
65	Insurance, reinsurance and pension funding	21
66	Other financial activities	0
68 69	Real estate activities Legal and accounting activities	4 29
70	Head office and management consultancy activities	0
71	Architectural and engineering services	1
72 73-75	Scientific research and development services Advertising, market research, other professional & scientific services	0 80
77	Rental and leasing activities	0
78	Employment services	3
79 80-82	Travel agency and tourism service activities Security, office and business support activities	3
84	Public administration	5
85	Education services	1
86-88 90-92	Human health and social work activities Cultural, arts and gambling activities	0
93	Recreation and sports activities	3
94	Membership organisation services	21
95	Repair of consumer goods	0
96 97	Other personal service activities Private households with employed persons	9
	Total intermediate consumption	2,953
	Imports  Product taxes less subsidies	2,909
	Product taxes less subsidies  Total consumption at purchasers' prices	176 6,038
	Compensation of Employees	638
	Operating surplus, net	2,502
	Consumption of fixed capital Non-product taxes less subsidies	851 -1,573
	Value added	2,410
	Total inputs (=Total domestic supply in Table 1) Imports (=Imports in Table 1)	8,456
	Total inputs (-Total domestic supply + Imports in Table 1)	1,261

## **Total Domestic Input-Output Table – Table 9**

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

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

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

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

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## Total Imported Input-Output Table – Table 10

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

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

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

€m		
	Products	1-3
		Agriculture, forestry and fishing
		ore
		re, f
		uftu ishii
		grici nd f
NACE	Products	a A
1-3	Agriculture, forestry and fishing	40
5-9	Mining, quarrying and extraction	2
10	Manufacture of food products	1.367
11-12	Manufacture of beverages and tobacco products	0
13	Manufacture of textiles	12
14	Manufacture of wearing apparel	3
15	Manufacture of leather and related products	0
16	Manufacture of wood and wood products (excluding furniture)	3
17 18	Manufacture of pulp, paper and paper products	7 0
18 19,21,	Printing and reproduction of recorded media  Manufacture of refined petroleum, basic pharmaceutical, computer,	O
26,28,	electronic & optical products, machinery and equipment n.e.c.,	
31,32	furniture, other manufacturing	299
20	Manufacture of chemicals and chemical products	221
22	Manufacture of rubber and plastic products	23
23	Manufacture of other non-metallic mineral products	2
24	Manufacture of basic metals	9
25	Manufacture of fabricated metal products	11
27	Manufacture of electrical equipment	6
29-30	Manufacture of motor vehicles, trailers, other transport equipment	22
33 35	Repair and installation of machinery and equipment	- 4
36	Electricity and gas supply Water collection, treatment and supply	4
37-39	Sewerage, waste collection and remediation services	0
41-43	Construction and construction works	-
45	Wholesale and retail trade and repair of vehicles	-
46	Wholesale trade	651
47	Retail trade	-
49	Land transport services	1
50	Water transport services	1
51	Air transport services	0
52 53	Warehousing	0
55	Postal and courier services Accommodation services	1 1
56	Food and beverage services	0
58-60	Publishing, film and broadcasting services	1
61	Telecommunications services	3
62-63	Computer programming, consultancy and data processing	О
64	Financial service activities	106
65	Insurance, reinsurance and pension funding	44
66	Other financial activities	0
68	Real estate activities	-
69	Legal and accounting activities	0
70 71	Head office and management consultancy activities	0
71	Architectural and engineering services Scientific research and development services	0 22
73-75	Advertising, market research, other professional & scientific services	6
77	Rental and leasing activities	38
78	Employment services	_
79	Travel agency and tourism service activities	-
80-82	Security, office and business support activities	-
84	Public administration	О
85	Education services	-
86-88 90-92	Human health and social work activities Cultural, arts and gambling activities	0
90-92	Recreation and sports activities	0
94	Membership organisation services	-
95	Repair of consumer goods	-
96	Other personal service activities	
97	Private households with employed persons	_
	Total intermediate consumption	2,909
	Domestic	2,953
	Product taxes less subsidies	176
	Total consumption at purchasers' prices Compensation of Employees	638
	Operating surplus, net	2,502
	Consumption of fixed capital	851
	Non-product taxes less subsidies	-1 573

Ion-product taxes less subsidies

Imports (=Imports in Table 1)

Total inputs (=Total domestic supply in Table 1)

Total inputs (=Total domestic supply + Imports in Table 1)

## **Total Import Input-Output Table – Table 10**

Table 10
2015 Symmetric Input-Output Table of imported 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 imports in Table 1 )
NACE	Products									
1-3	Agriculture, forestry and fishing	1,030	301	-	-	18	-88	-	231	1,261
5-9	Mining, quarrying and extraction	2,686	184	-	8	109	164	-	465	3,151
10	Manufacture of food products	5,896	769	-	0	26	-282	-	512	6,408

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

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



## **Contents - continued**

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



## Structure of PYP overview

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

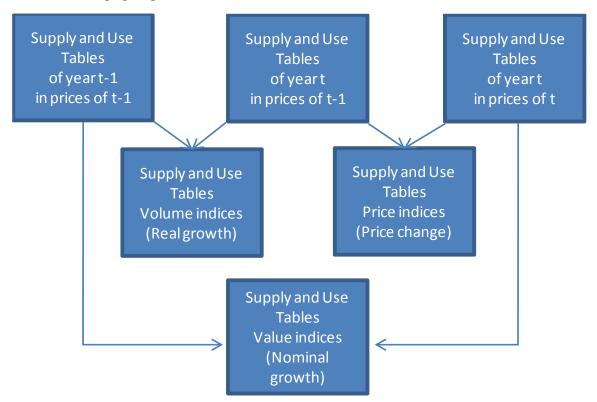
2015 5	oply Table at previous year or le @ O V a O	ie i	n	PY	<b>P</b> -	- [	ab	le:	13201	15 Us	e Table at previous year pice (SE Table	9 1	n	PY	P –	- T	abl	e 14
	Industries	1-3	5-9	10		13	14	15			Indus	tries	1-3	5-9	10	11-12	13	14
	Industries	e, orestry	quarying raction	ure of food	ure of and roducts	ure of	ure of pparel	ure of d related					e, forestry	quarrying action	ure of food	and oducts	reof	ure of oparel ure of d related
3	columns	Agriculture, and fishing	Mining, qu. and extract	Manufacture of fi products	Manufacture of beverages and tobacco produc	Manufacture of textiles	Manufacture of wearing apparel	Manufactun leather and r products					Agriculture, and fishing	Mining, quarry and extraction	Manufacture	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel Manufacture of leather and relate
	<u>Pr</u> odu ts	0.622									Products							
	Agricu ture, forestry and fishing winir g, quarrying and extraction	8,622	779	-	-	-	-				Agriculture, forestry and fishing Mining, quarrying and extraction		2,070 63	0 127	4,830 59	578 15	0	0
	Manufacture of food products	6	0	19,833	52	-	-	- '			Manufacture of food products		1,792	-	5,855	-	0	-
	Man facture of beverages and tobacco products	-	-	8	3,056	-	-	-			Manufacture of beverages and tobacco products		2	0	-	358	0	-
	Manufacture of textiles Manufacture of wearing apparel	-	-	-	-	231	1 76				Manufacture of textiles Manufacture of wearing apparel		13 1	0	0	0	70 0	13
	Manufacture of leather and related products	-	-	-	-	-	0	32		- 1	Manufacture of leather and related products		0	0	0	0	0	-
1	Manufacture of wood and wood products (excluding furniture)	7	-	-	-	1	-	- 1		16	Manufacture of wood and wood products (excluding furniture)		3	0	17	2	0	0
17	Manufacture of pulp, paper and paper products Printing and reproduction of recorded media	-	-	-	-	-	-				Manufacture of pulp, paper and paper products		7 3	0	221 4	23	2	1
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,										Printing and reproduction of recorded media Manufacture of refined petroleum, basic pharmaceutical, compu	er,	3	U	4	U	U	U
	electronic & optical products, machinery and equipment n.e.c.,			_						,28,	electronic & optical products, machinery and equipment n.e.c.,							
	furniture, other manufacturing Manufacture of chemicals and chemical products	-	0	0 2,292	122	0 12	0				furniture, other manufacturing		583 495	50 21	307 305	19 29	3 23	0
22	Manufacture of rubber and plastic products	-	-	2,232	-	0	0	2			Manufacture of chemicals and chemical products Manufacture of rubber and plastic products		495 27	1	269	8	0	0
23	Manufacture of other non-metallic mineral products	-	151	-	-	0	-	- 1			Manufacture of other non-metallic mineral products		11	22	34	3	0	-
24 25	Manufacture of basic metals	-	-	-	-	- 1	-	- ,			Manufacture of basic metals		10	2	85	8	0	0
27	Manufacture of fabricated metal products  Manufacture of electrical equipment	-	-	-	-	-	-				Manufacture of fabricated metal products Manufacture of electrical equipment		18 6	10 1	85 45	8	0	0
	Manufacture of motor vehicles, trailers, other transport equipment	-	-	-	-	-	-	- 1	29		Manufacture of motor vehicles, trailers, other transport equipme	nt	18	16	1	0	0	0
33	Repair and installation of machinery and equipment	-	-	-	2	2	-				Repair and installation of machinery and equipment		174	3	15	1	0	0
35 36	Electricity and gas supply Water collection, treatment and supply	5	-	-	-	-	-				Electricity and gas supply Water collection, treatment and supply		262 3	76 0	219 4	26	3	0
37-39	Sewerage, waste collection and remediation services	-	-	-	-	-	-	- 1	"		Sewerage, waste collection and remediation services		3	1	14	2	0	0
41-43	Construction and construction works	29	-	=	=	-	=	-			Construction and construction works		57	15	52	22	1	0
45 46	Wholesale and retail trade and repair of vehicles Wholesale trade	-	- 3	144	102	- 0	- 2				Wholesale and retail trade and repair of vehicles Wholesale trade		32 22	1	15 1,050	3 38	0	0
47	Retail trade	-	-	-	-	-	-				Retail trade		17	-	5	9	4	-
49	Land transport services	-	-	-	-	-	-	- 1		49	Land transport services		21	22	177	27	3	1
50 51	Water transport services Air transport services	-	-	-	-	-	-				Water transport services		7	1	35 108	3 59	0	0
52	Warehousing	-	-	-	-	-	-	-			Air transport services Warehousing		5	0	108 54	3	0	0
53	Postal and courier services	-	-	-	-	-	-	-			Postal and courier services		4	-	10	-	=	-
55 56	Accommodation services	13	-	-	-	-	-				Accommodation services		1	2	18	5	1	0
58-60	Food and beverage services Publishing, film and broadcasting services	-	-	17	-	-	-				Food and beverage services Publishing, film and broadcasting services		4	3 15	20 106	11 47	4	1
61	Telecommunications services	-	-	-	-	-	-	- '			Telecommunications services		44	5	74	20	2	0
62-63	Computer programming, consultancy and data processing	-	-	37	-	-	-	- ,			Computer programming, consultancy and data processing		4	0	73	0	0	-
64 65	Financial service activities Insurance, reinsurance and pension funding	-	-	-	-	-	-				Financial service activities Insurance, reinsurance and pension funding		138 65	11 8	132 92	35 24	6 4	1
66	Other financial activities	-	-	-	-	-	-	- '			Other financial activities		0	4	33	9	1	0
68	Real estate activities	-	-	-	-	-	-	- 1			Real estate activities		5	1	5	3	0	0
69 70	Legal and accounting activities Head office and management consultancy activities	-	-	-	-	-	-				Legal and accounting activities Head office and management consultancy activities		32 1	3 8	35 292	8 14	1	0
71	Architectural and engineering services	-	-	-	-	-	-	- "		-	Architectural and engineering services		2	2	11	7	1	0
72	Scientific research and development services	-	-	102	-	-	-	- 1		72	Scientific research and development services		17	10	80	62	2	1
73-75 77	Advertising, market research, other professional & scientific services Rental and leasing activities	-	-	138 354	11	-	-		-		Advertising, market research, other professional & scientific serv	ices	88 29	21 29	912 540	306 234	2	2
78	Employment services	-	-	-	-	-	-				Rental and leasing activities Employment services		3	0	25	254 8	6	0
79	Travel agency and tourism service activities	-	-	-	-	-	-	-	7		Travel agency and tourism service activities		3	1	5	3	1	0
80-82 84	Security, office and business support activities Public administration	-	-	-	-	-	-				Security, office and business support activities		3	2	20	5	1	0
85	Education services	-	-	-	-	-	-				Public administration Education services		1	-	-	-	-	-
86-88	Human health and social work activities	-	-	-	-	-	-	- '			Human health and social work activities		0	-	=	-	=	-
90-92	Cultural, arts and gambling activities	2	-	-	-	-	-	-			Cultural, arts and gambling activities		1	1	8	2	0	0
93 94	Recreation and sports activities  Membership organisation services	9	-	-	-	-	-				Recreation and sports activities Membership organisation services		2 20	1	7 0	2	0	0
95	Repair of consumer goods		-	-	-	-	-	- 1			Repair of consumer goods		0	0	1	0	0	0
96	Other personal service activities			=	-	-	=	- 1	9	96	Other personal service activities		7	1	4	2	0	0
97	Private households with employed persons Total output by industry	8,693	933	22,926	3,395	263	79	34	g	_	Private households with employed persons  Total intermediate consumption		6,205	507	16,375	2,058	156	- 28
		5,055	1333	22,320	3,333	203	,,				Gross value added in previous year prices		2,488	426	6,551	1,337	107	51
											Total output by industry (= last row of Table 13)		8,693	933	22,926	3,395	263	79

Output by industry in PYP

Intermediate consumption and GVA by industry in PYP

## 1. Background

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



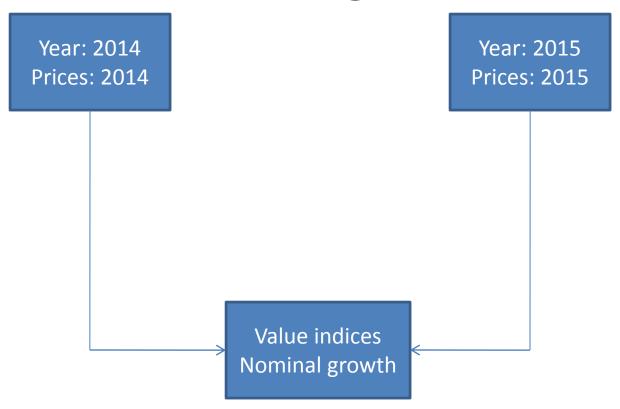
## Nominal growth

Year: 2014

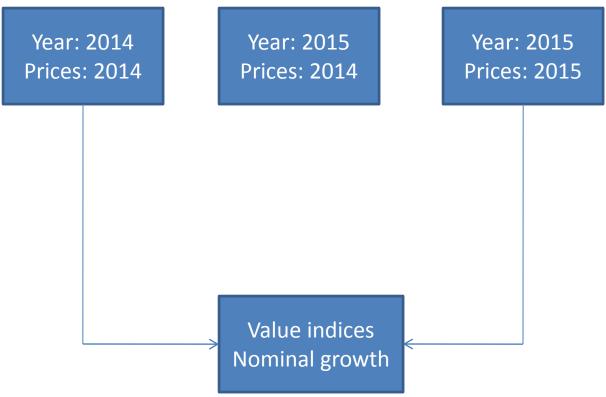
Prices: 2014

Year: 2015 Prices: 2015

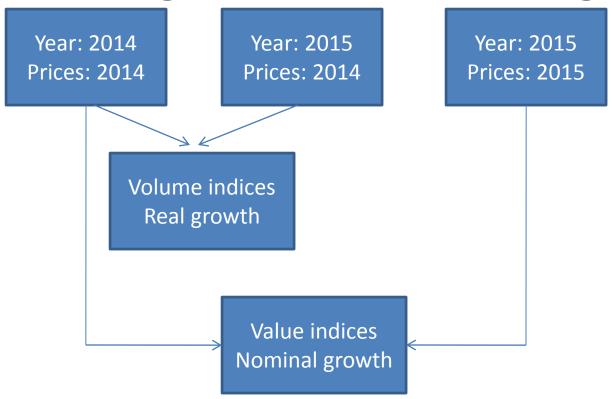
## Nominal growth



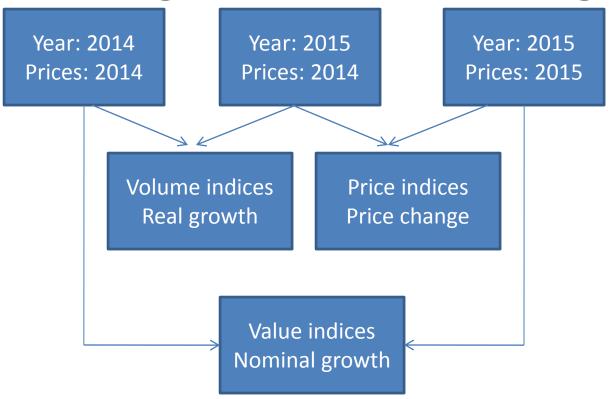
## Real growth and Price growth



## Real growth and Price growth



## Real growth and Price growth



## **Background continued**

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

## 2. Data requirements

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

## Data requirements continued

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



## 3. Deflation of products & industries

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

Table 1 2015 Supply Table at basic prices €m

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

2015

Manufacture of leather and related products

Manufacture of puip, paper and paper products

Printing and reproduction of recorded media

Manufacture of wood and wood products (excluding furniture)

Table 1

15

16

17

18

<b>2015</b> Su	pply Table at basic prices €m							
	Industries							
		domestic	i.i.f. (cost,	rgins	on products	on	ply at rs' prices (= in Table 2)	Deflating
		Total dom	Imports c.i.f. insurance & 1 inclusive)	Trade margins	Taxes on	Subsidies products	Total supply at purchasers' pri total use in Tab	Supply table
NACE	Products							
1-3	Agriculture, forestry and fishing	8,456	1,261	1,790	170	-43	11,633	rows
5-9	Mining, quarrying and extraction	888	3,151	411	127		4,577	
10	Manufacture of food products	20,841	6,408	6,679	175	-	34,103	
11-12	Manufacture of beverages and tobacco products	3,068	1,006	1,442	3,260		8,777	
13	Manufacture of textiles	273	481	210	88	-	1,052	
14	Manufacture of wearing apparel	86	1,903	1,684	471		4,144	

35

914

156

1,011

609

432

204

1.000

100

125

822

121

25

15/

55

upply able ows 96

864

1,495

1,833

2,092

Table 2 2015 Use Table at purchasers' prices €m

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

Table 2

2015 U	se Table at purchasers' prices €m										
	Industries										
		inter-industry	consumption nolds, excl govt fers	Τ.	consumption transfers	s fixed capital lation	ge in tories	oorts f.o.b. (free board)	Total Final uses	uses tal supply in 1)	Deflating
		Total inter	Final consu of h'holds, transfers	NPISH	Govt plus t	Gross fixe formation	Change in inventorie	Exports on board	Fotal	Total uses ( = total su Table 1)	Use table
NACE	Products										rows
1-3	Agriculture, forestry and fishing	7,696	2,161	-	-	129	-11	1,658	3,937	11,633	
5-9	Mining, quarrying and extraction	3,435	244	-	8	205	246	439	1,142	4,577	
10	Manufacture of food products	8,950	5,608	-	1	39	-22	19,527	25,153	34,103	
11-12	Manufacture of beverages and tobacco products	1,179	5,004	-	-	11	554	2,029	7,598	8,777	
13	Manufacture of textiles	309	392	-	-	54	24	272	743	1,052	
14	Manufacture of wearing apparel	485	3,087	-	-	0	489	84	3,660	4,144	
15	Manufacture of leather and related products	119	609	-	-	0	104	33	745	864	
16	Manufacture of wood and wood products (excluding furniture)	926	102	-	-	14	29	423	569	1,495	
17	Manufacture of pulp, paper and paper products	1,168	387	_			<del>2</del> 9	250	665	1,833	0.7
18	Printing and reproduction of recorded media	1,121	245	-	-	8	-32	750	972	2,092	97

Table 2015 S	13 upply Table at previous year prices €m								$\wedge$		
	Industries	1-3	5-9	10	11-12	13	14	15	16	17	
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products Manufacture of	products (exduding furniture)	D. T.	Printing and reproduction of recorded media
	Products										
1-3	Agriculture, forestry and fishing	8,622	-	-	-	-	-	-	- •	_	-
5-9 10	Mining, quarrying and extraction  Manufacture of food products	6	779 0	19,833	- 52	-	-	-		1	-
11-12		-	-	8	3,056	-	-	-	-	_	-
13	Manufacture of textiles	-	-	-	-	231	1	-	-	1	1
14	Manufacture of wearing apparel	-	-	-	-	7	76	-	-	-	-
15	Manufacture of leather and related products	- 7	-	-	-	-	0	32	- 819	3	0
16 17	Manufacture of wood and wood products (excluding furniture)  Manufacture of pulp, paper and paper products	-	-	-	-	1	-	-	819 11	393	14
18	Printing and reproduction of recorded media	-	_	-	_	-	_	-	-	12	907
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,									-	
26,28,	electronic & optical products, machinery and equipment n.e.c.,									-	
31,32	furniture, other manufacturing	-	-	0	-	0	0	-	4	0	0
20	Manufacture of chemicals and chemical products	-	0	2,292	122	12 0	- 0	- 2	0	2 10	-
22 23	Manufacture of rubber and plastic products  Manufacture of other non-metallic mineral products		151	-		0	-	2	6 2	10	1
24	Manufacture of basic metals	_	-	_	_	-	_		-		0
25	Manufacture of fabricated metal products	-	-	-	-	1	-	-	2	0	1
27	Manufacture of electrical equipment	-	-	-	-	-	-	-	0	-	1
29-30	Manufacture of motor vehicles, trailers, other transport equipment	-	-	-		-	-	-	-	-	
33	Repair and installation of machinery and equipment	-	-	-	2	2	-		-	-	2
35 36	Electricity and gas supply Water collection, treatment and supply	5	-	-	-	-	-		-	1	-
37-39	Sewerage, waste collection and remediation services	_	_	_	_	_	_		_		
41-43	= '	29	-	-	-	-	-	-	-	-	-
45	Wholesale and retail trade and repair of vehicles	-	-	-	-	-	-	-	-	-	-
46	Wholesale trade	-	3	144	102	9	2	-	3	5	6
47	Retail trade	-	-	-	-	-	-	-	-	-	-
49 50	Land transport services Water transport services	-	-	-	-	-	-		-	1	-
51	Air transport services	_	_	_	_	_	_		_		
52	Warehousing	-	-	-	-	-	-	-	-	-	-
53	Postal and courier services	-	-	-	-	-	-	-	-	-	-
55	Accommodation services	13	-	-	-	-	-	-	-	-	-
56	Food and beverage services	-	-	-	-	-	-	-	-	-	-
58-60 61	Publishing, film and broadcasting services Telecommunications services	-	-	17	-	-	-		-	- 1	-
62-63	Computer programming, consultancy and data processing	_	-	37	-	-	_		_		_
64	Financial service activities	-	-	-	-	-	-	-	-	-	-
65	Insurance, reinsurance and pension funding	-	-	-	-	-	-	-	-	-	-
66	Other financial activities	-	-	-	-	-	-	-	-	-	-
68 69	Real estate activities	-	-	-	-	-	-	-	-	-	-
70	Legal and accounting activities Head office and management consultancy activities	-	-	-	-	_	-	-			-
71	Architectural and engineering services	-	-	-	-	-	-	-	-	_	-
72	Scientific research and development services	-	-	102	-	-	-	-	-	1	-
73-75		-	-	138	11	-	-	-	-	76	-
77	Rental and leasing activities	-	-	354	49	-	-	-	-	-	-
78 79	Employment services Travel agency and tourism service activities	-	-	-	-	-	-	-			-
80-82		_	-	_	_	-	_	-			_
84	Public administration	-	-	-	-	-	-	-			-
85	Education services	-	-	-	-	-	-	-	-	-	-
86-88	Human health and social work activities	-	-	-	-	-	-	-	-	-	-
90-92		2	-	-	-	-	-	-	1 -	-	-
93 94	Recreation and sports activities  Membership organisation services	9	-	-	-	-	-	-		Ī	-
95	Repair of consumer goods	_	-	-	-	-	-	-		_	-
96	Other personal service activities	-	-	-	-	-	-	-	/	-	-
97	Private households with employed persons	-	-	-	-	-	-	-	<u> </u>	-	-
-	Total output by industry	8,693	933	22,926	3,395	263	79	34	346	504	933

**Deflating Supply** table columns for Table 13

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

Table 1 2015 U	.4 se Table at previous year prices €m								$\wedge$		
	Industries	1-3	5-9	10	11-12	13	14	15	16		18
		Agriculture, forestry and fishing	Mining, quarrying and extraction	Manufacture of food products	Manufacture of beverages and tobacco products	Manufacture of textiles	Manufacture of wearing apparel	Manufacture of leather and related products Manufacture of	wood and wood products (excluding furniture)	paper pro-	Printing and reproduction of recorded media
	Products										
1-3	Agriculture, forestry and fishing	2,070 63	0 127	4,830	578 15	0 0	- 0	0	191 1	0	0
5-9 10	Mining, quarrying and extraction  Manufacture of food products	1,792	-	59 5,855	- 15	0	-	-	0	1	0
	Manufacture of beverages and tobacco products	2	0	-	358	0	-	_	o	0	0
13	Manufacture of textiles	13	0	0	0	70	13	3	1	1	3
14	Manufacture of wearing apparel	1	0	0	0	0	1	-	0	0	0
15	Manufacture of leather and related products	0	0	0	0	0	-	7	0	0	0
16 17	Manufacture of wood and wood products (excluding furniture)  Manufacture of pulp, paper and paper products	3 7	0 0	17 221	2 23	0 2	0 1	0	112 8	1 140	1 27
18	Printing and reproduction of recorded media	3	0	4	0	0	0	0	0	4	247
19,21,	Manufacture of refined petroleum, basic pharmaceutical, computer,	3	Ü		Ü	Ü	Ü	Ü	ŭ		,
26,28,	electronic & optical products, machinery and equipment n.e.c.,										
31,32	furniture, other manufacturing	583	50	307	19	3	0	0	24	7	10
20	Manufacture of chemicals and chemical products	495	21	305	29	23	1	0	85	52	54
22 23	Manufacture of rubber and plastic products  Manufacture of other non-metallic mineral products	27 11	1 22	269 34	8 3	0 0	0	0	2 1	3 0	1 2
23	Manufacture of basic metals	10	2	85	8	0	0	0	14	1	3
25	Manufacture of basic metals  Manufacture of fabricated metal products	18	10	85	8	1	0	0	12	2	3
27	Manufacture of electrical equipment	6	1	45	2	0	0	0	1	1	0
29-30	Manufacture of motor vehicles, trailers, other transport equipment	18	16	1	0	0	0	-	1	0	0
33	Repair and installation of machinery and equipment	174	3	15	1	0	0	0	1	0	1
35	Electricity and gas supply	262	76	219	26	3	0	0	32	5	8
36	Water collection, treatment and supply	3	0	4	3 2	0 0	0	0	0	0	1
37-39 41-43	Sewerage, waste collection and remediation services Construction and construction works	3 57	1 15	14 52	22	1	0	0 0	1 25	0 5	1
45	Wholesale and retail trade and repair of vehicles	32	1	15	3	0	0	0	1	0	0
46	Wholesale trade	22	-	1,050	38	=	-	-	-	- 1	-
47	Retail trade	17	-	5	9	4	-	-	10	- 1	-
49	Land transport services	21	22	177	27	3	1	1	50	7	8
50	Water transport services	7	1	35	3	0	0	0	2	0	1
51 52	Air transport services	1 5	7 0	108 54	59 3	2 0	0	0 0	- 1	5 0	2 1
53	Warehousing Postal and courier services	4	-	10	-	-	-	-	_	-	_
55	Accommodation services	1	2	18	5	1	0	О	1	o	1
56	Food and beverage services	3	3	20	11	2	0	0	3	1	2
58-60	Publishing, film and broadcasting services	4	15	106	47	4	1	0	8	15	52
61	Telecommunications services	44	5	74	20	2	0	0	3	1	2
62-63	Computer programming, consultancy and data processing	4	0	73	0	0	-	Ī	0	0	0
64 65	Financial service activities Insurance, reinsurance and pension funding	138 65	11 8	132 92	35 24	6 4	1 1	1 0	10 7	9 2	6 4
66	Other financial activities	0	4	33	9	1	0	0	3	1	2
68	Real estate activities	5	1	5	3	0	0	0	1	0	1
69	Legal and accounting activities	32	3	35	8	1	0	0	2	1	2
70	Head office and management consultancy activities	1	8	292	14	2	1	0	5	3	0
71	Architectural and engineering services	2	2	11	7	1	0	0	2	1	1
72 73-75	Scientific research and development services Advertising, market research, other professional & scientific services	17 88	10 21	80 912	62 306	2 2	1 2	0 0	10 7	3 12	85 36
75-75	Rental and leasing activities	29	29	540	234	4	1	0	18	20	29
78	Employment services	3	0	25	8	6	0	-	0	1	3
79	Travel agency and tourism service activities	3	1	5	3	1	0	0	1	0	1
80-82	Security, office and business support activities	3	2	20	5	1	0	0	2	0	2
84	Public administration	3	-	-	-	-	-	-	-	-	-
85	Education services	1	-	-	-	-	-	-	1 -	-	-
86-88 90-92	Human health and social work activities Cultural, arts and gambling activities	0 1	- 1	- 8	2	0	0	0	- 1	0	- 0
90-92	Recreation and sports activities	2	1	8 7	2	0	0	0	1	0	0
94	Membership organisation services	20	1	9	2	0	0	0	1	0	0
95	Repair of consumer goods	0	0	1	0	0	0	0	0	o	0
96	Other personal service activities	7	1	4	2	0	0	0	1	0	0
97	Private households with employed persons	-	-	-	-	-	=	-	_ <u> </u> -	-	
	Total intermediate consumption	6,205	507	16,375	2,058	156	28	15	664	310	609
	Gross value added in previous year prices Total output by industry (= last row of Table 13)	2,488 8,693	426 933	6,551 22,926	1,337 3,395	107 263	51 79	19 34	182 346	195 504	324
	Total output by muustry (= last row of Table 13)	0,093	933	22,920	5,395	203	/9	34	497	504	933



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



## 4. GVA Volume changes – Double deflation

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

## Comparisons with volume changes in the NIE

 The main aggregates and sub-aggregates in the Supply & Use Tables must be consistent with the NIE in both current and previous year prices. Given the PYP figures in the S&UT have been generated through double deflation, unlike the bulk of the NIE deflation, adjustments must be incorporated in order to ensure consistency. 101



## **Contents - continued**

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



## Future developments in S&U tables?

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



## **Contents - continued**

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

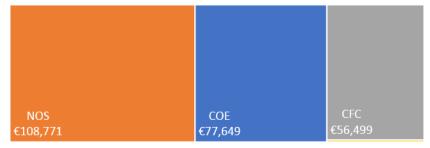


#### **Summary charts**

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



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



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



<sup>&</sup>lt;sup>1</sup> Figures in millions.

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

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

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

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

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

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

Calculation of 2015 GDP (Output approach)							
Total output at basic prices	Α	€521.486 billion					
Minus intermediate inputs at purchasers'	В	€277.891 billion					
prices							
= Gross Value Added at basic prices	A-B	€243.595 billion (=NIE Item 51,					
		Table 3)					
Plus Taxes less subsidies on products	С	+€19.764 billion -€0.893 billion					
		(=NIE items 52 & 53)					
= Gross Domestic Product at market prices	A-B+C	€262.466 billion					
NIE2017 Item 54, Table 3		€262.466 billion					
Calculation of 2015	GDP (Incom	ne approach)					
Compensation of Employees	Α	€77.649 billion (NIE Table 1)					
Plus taxes less subsidies on production	В	€0.676 billion (NIE items 30 + 31)					
Plus Gross Operating Surplus (=NOS+CFC)	С	€108.771 billion + €56.499 billion					
= Gross Value Added at basic prices	A+B+C	€243.595 billion (=NIE Item 51,					
· ·		Table 3)					
Plus Taxes less subsidies on products	D	+€19.764 billion -€0.893 billion					
'		(=NIE items 52 & 53)					
= Gross Domestic Product at market prices	A+B+C+D	€262.466 billion					
NIE2017 Item 54, Table 3		€262.466 billion					
Calculation of 2015 GD	P (Expendi	ture approach)					
Household final consumption	A	€85.245 billion					
Plus Non-profit making institutions serving	В	€1.701 billion (A+B=NIE item 79a)					
households		, ,					
Plus general Government final consumption	С	€32.238 billion (=NIE items 79b+80)					
Plus Gross capital formation (+Statistical	D	€67.603 billion (=NIE items					
discrepancy)		81+82+85)					
Plus Exports	E	€320.565 billion (NIE item 83)					
= Total Final Demand	A+B+C+D	€507.352 billion					
	+E						
Minus Imports	F	€244.886 billion (NIE item 84)					
= Gross Domestic Product at market prices	A+B+C+D	€262.466 billion					
· ·	+E-F						
NIE2017 Item 54, Table 3		€262.466 billion					
· · · · · · · · · · · · · · · · · · ·		·					

#### GDP measured using the Output approach

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

#### **GDP** measured using the Income approach

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

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

#### **GDP** measured using the Expenditure approach

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

Total domestic demand comprises purchases (including all taxes that may apply) by: Households, Non-profit institutions, Tourists (expenditure by non-residents), and Government. Gross fixed capital formation, changes in inventories and valuables are also included.

Final demand also includes the value of exports. Imports include goods and services and includes expenditure by residents outside Ireland. 106





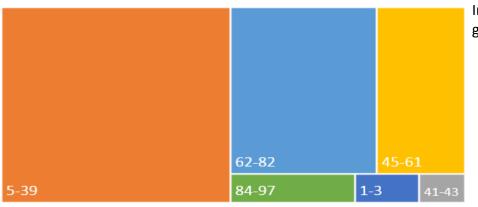
Output method – Output by broad industry group

Output method – Intermediate consumption by broad industry group

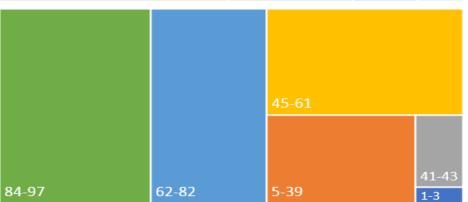
Output method – Gross value added (GVA) at basic prices by broad industry group *€million* 

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





Income method – Gross operating surplus (GOS) by broad industry group



Income method – Compensation of employees (COE) by broad industry group

5-39

45-61

41

43

5-39

62-82

84-97

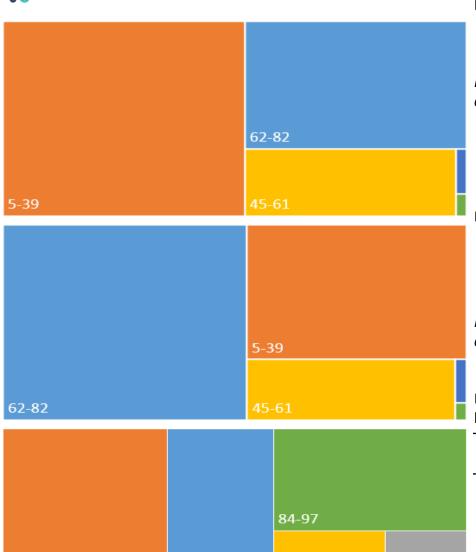
1-3

Income method – Gross value added (GVA) at basic prices by broad industry group

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



5-39



62-82

Expenditure method – Exports by broad product group

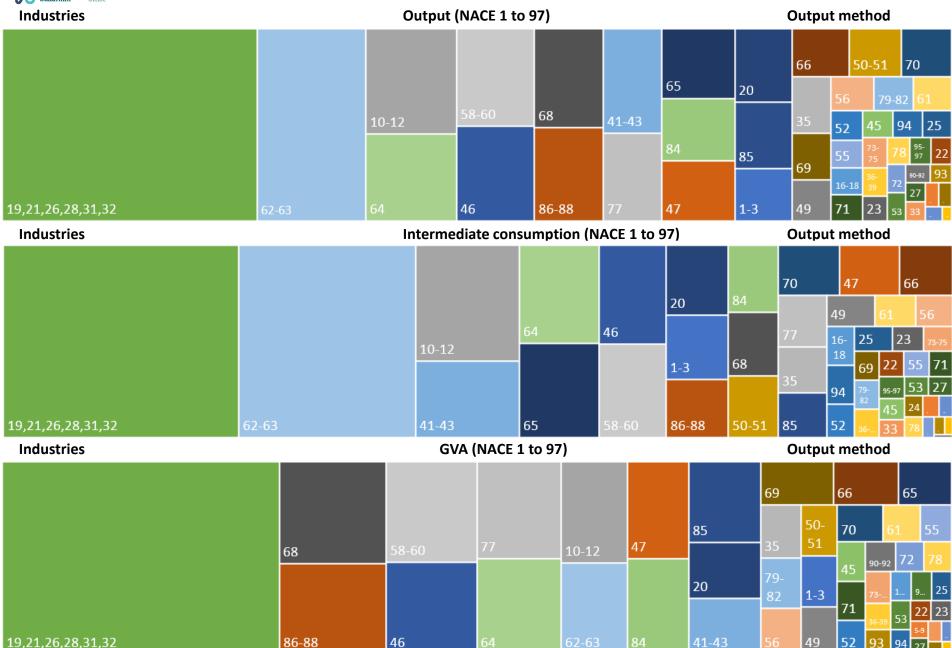
Exports include a cost, insurance and freight (cif)/free on board (fob) adjustment and an adjustment for expenditure by non-residents.

Expenditure method – Imports by broad product group

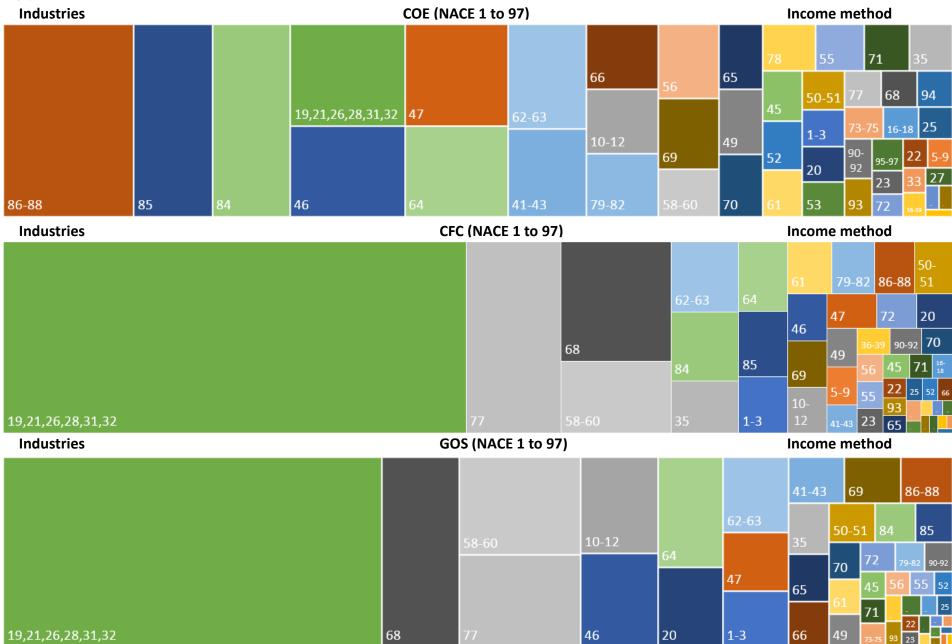
Imports include a cost, insurance and freight (cif)/free on board (fob) adjustment and an adjustment for expenditure outside the state.

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

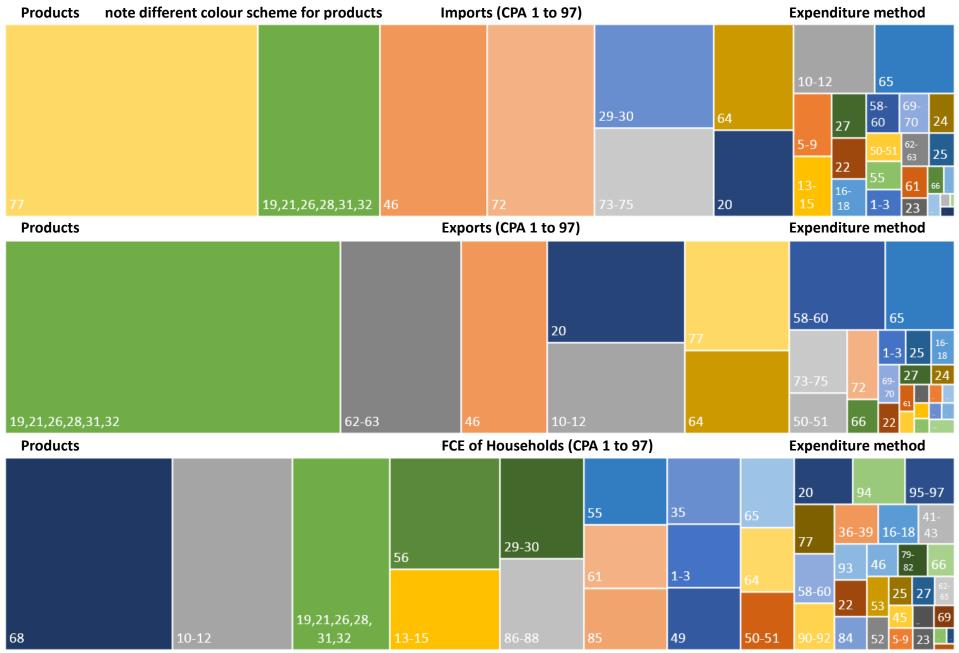
				€million
NACE	Description	Exports	Imports	Consumption
				& GCF
1-3	Agriculture, forestry &	1,658	1,261	2,279
	fishing			
5-39	Manufacturing	165,424	78,442	65,663
41-43	Construction	0	0	13,322
45-61	Distribution, transport &	49,833	33,440	21,314
	communication			
62-82	<b>Business services</b>	99,424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













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Code	Description (NACE refers to industries, CPA to products)	50	Water transport services
1-3	Agriculture, forestry and fishing	51	Air transport services
5-9	Mining, quarrying and extraction	52	Warehousing
10	Manufacture of food products	53	Postal and courier services
11-12	Manufacture of beverages and tobacco products	55	Accommodation services
13	Manufacture of textiles	56	Food and beverage services
14	Manufacture of wearing apparel	58-60	Publishing, film and broadcasting services
15	Manufacture of leather and related products	61	Telecommunications services
16	Manufacture of wood and wood products (excluding furniture)	62-63	Computer programming, consultancy and data processing
17	Manufacture of pulp, paper and paper products	64	Financial service activities
18	Printing and reproduction of recorded media	65	Insurance, reinsurance and pension funding
19,21,	26,28,31,32 Manufacture of refined petroleum, basic	66	Other financial activities
pharm	aceutical, computer, electronic & optical products, machinery	68	Real estate activities
and ed	uipment n.e.c., furniture, other manufacturing	69	Legal and accounting activities
20	Manufacture of chemicals and chemical products	70	Head office and management consultancy activities
22	Manufacture of rubber and plastic products	71	Architectural and engineering services
23	Manufacture of other non-metallic mineral products	72	Scientific research and development services
24	Manufacture of basic metals	73-75	Advertising, market research, other professional & scientific
25	Manufacture of fabricated metal products	77	Rental and leasing activities
27	Manufacture of electrical equipment	78	Employment services
29-30	Manufacture of motor vehicles, trailers, other transport	79	Travel agency and tourism service activities
equipr	ment	80-82	Security, office and business support activities
33	Repair and installation of machinery and equipment	84	Public administration
35	Electricity and gas supply	85	Education services
36	Water collection, treatment and supply	86-88	Human health and social work activities
37-39	Sewerage, waste collection and remediation services	90-92	Cultural, arts and gambling activities
41-43	Construction and construction works	93	Recreation and sports activities
45	Wholesale and retail trade and repair of vehicles	94	Membership organisation services
46	Wholesale trade	95	Repair of consumer goods
47	Retail trade	96	Other personal service activities
49	Land transport services	97	Private households with employed persons 113