

QUARTERLY ACCOUNTS

Third Quarter 2002

Expenditure and Output approach to GDP

First Eurostat estimates

Roberto BARCELLAN

Statistics
in focus

ECONOMY AND
FINANCE

THEME 2 – 61/2002

NATIONAL ACCOUNTS

Contents

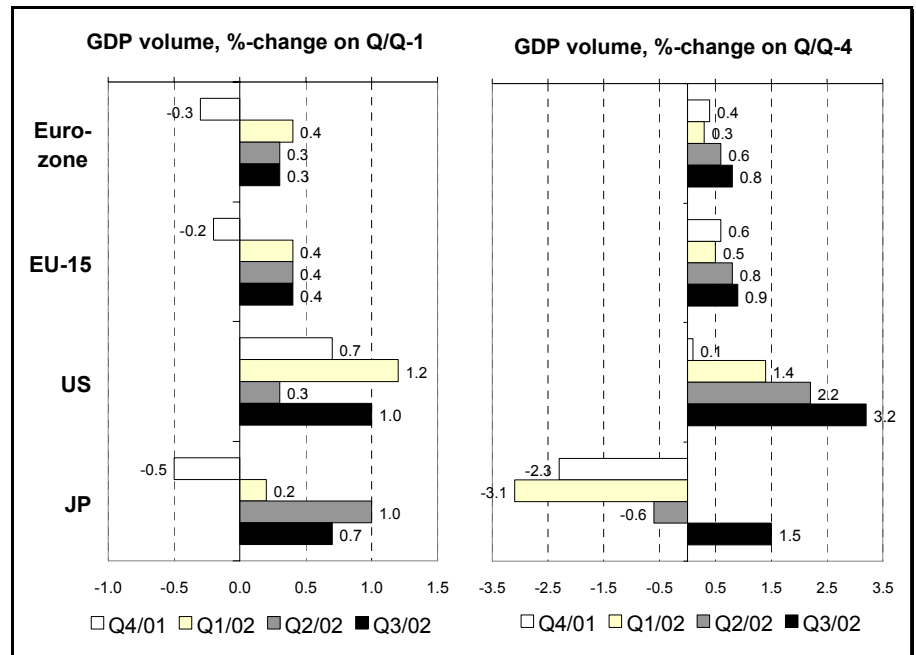
Development of GDP and its components.....2

GDP and expenditure components – Percentage change and levels, at constant prices3

GDP and gross value added by industry – Percentage change and levels, at constant prices4

Contribution of components to variation in GDP5

Methodological notes7



According to Eurostat's ⁽¹⁾ first estimates, GDP growth of the **euro-zone** ⁽²⁾ and the **EU15** kept steady at + 0.3 % and + 0.4 %, respectively, during the third quarter 2002.

In comparison with the third quarter 2001, the growth of GDP of the **euro-zone** and the **EU15** presented a rise of + 0.8 % and + 0.9 %, respectively, compared to + 0.6 % and + 0.8 % during the previous quarter.

In the **United States**, the economy showed a remarkable acceleration of GDP growth: + 1.0 % after an increase of + 0.3 % in the previous quarter. GDP in **Japan** slowed its increase, passing from + 1.0 % to + 0.7 %. Compared to the same quarter of year 2001, GDP growth in the third quarter of 2002 reached 3.2 % in the **United States** (+ 2.2 % in the previous quarter), and + 1.5 % in **Japan**, recovering in comparison with the previous quarter (- 0.6 %).

⁽¹⁾ Methodological note: data for euro-zone and EU15 are calculated within a coherent and consistent statistical framework using as indicators the available seasonally adjusted data from the Member States. Data are also corrected for working days by some Member States. Given that certain Member States have not published their quarterly accounts yet, and that certain data are provisional, euro-zone and EU15 data must also be considered as provisional. Revisions are likely in the coming weeks.

⁽²⁾ The euro-zone consists of the following countries: Belgium, Germany, Greece (since 2001), Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal and Finland.



DEVELOPMENT OF GDP AND ITS COMPONENTS

Expenditure components of GDP, euro-zone, EU15, United States and Japan

During the third quarter 2002, the growth of household final consumption expenditure, including non-profit institutions serving households (NPISHs), presented an acceleration both in the euro-zone (+ 0.5 % compared to + 0.2 % in the previous quarter) and in the EU15 (+ 0.6 % after + 0.4 %). Investments stagnated in the euro-zone, recording an improvement in comparison with the previous quarter (- 1.2 %); an improvement was also observed in the EU15 (- 0.2 % compared to - 1.0 %). Exports' growth accelerated in the euro-zone, reaching + 2.2 % (+ 1.6 % in the previous quarter), while slowing in the EU15, passing from + 1.8 % to + 1.5 %. Imports increased faster than in the previous quarter in both areas, with rates of + 2.2 % and + 1.6 %, respectively (compared to + 1.4 % and + 1.2 % in the second quarter of 2002).

The most significant contribution to GDP growth in the euro-zone and the EU15 was that of exports (+ 0.8 and + 0.6 of GDP variation, respectively), followed by that of final consumption expenditure of households and NPISHs (+ 0.3 for both areas).

Private consumption growth accelerated in the United States, reaching + 1.0 %, after + 0.4 % in the previous quarter; investments posted a recovery after the negative result in the previous quarter (+ 0.2 % after - 0.6 %). Exports slowed sharply (+ 0.8 % after + 3.4 %), just like imports (+ 0.6 % after + 5.1 %).

In Japan, the growth of private final consumption expenditure accelerated, reaching + 0.8 % (+ 0.5 % in the previous quarter), while the decline of investments

worsened (- 1.0 % compared to - 0.4 %). Exports experienced an abrupt braking, passing from + 5.9 % to + 0.5 %, whereas imports went through a somewhat slighter deceleration (+ 1.8 % compared to + 3.4 % in the previous quarter).

Output components of GDP, euro-zone and EU15

During the third quarter of 2002, growth of total gross value added (GVA) slowed to + 0.3 % both in the euro-zone and the EU15 (+ 0.4 % for the two areas in the previous quarter). In comparison with the third quarter of 2001, growth of total gross value added remained stable at + 0.8 % in the euro-zone and at + 0.9 % in the EU15.

The highest growth of gross value added among all branches was observed for *Agriculture*, with a resumption of + 0.9 % for the euro-zone and the EU15 (- 0.2 % for both areas in the previous quarter). It was followed by the growth of the *Industry* branch, speeding up to + 0.6 % in the two areas, and by that of the *Other services* branch, which however slowed down, passing from + 0.5 % to + 0.3 % in both zones. The GVA growth of the *Trade, transport and communications* branch slowed too, passing from + 0.5 % for both areas to + 0.2 % in the euro-zone and to + 0.3 % in the EU15. A weakening of GVA growth was observed for the *Financial activities and business services* branch (+ 0.1 % in the euro-zone and + 0.2 % in the EU15, compared to + 0.4 % and + 0.5 % during the previous quarter). Finally, GVA of the *Construction* branch fell by 0.3 % in the euro-zone and by 0.2 % in the EU15, although improving in comparison with the previous quarter (- 1.2 % and - 0.8 %, respectively).

GDP and main components - third quarter 2002				
GDP	3rd Quarter 2002	growth compared to 2nd quarter 2002	growth compared to 3rd quarter 2001	
Euro-zone	1 569 683.0	0.3	0.8	
EU-15	1 924 734.0	0.4	0.9	
US	1 777 871.1	1.0	3.2	
JP	1 086 574.6	0.7	1.5	
Domestic Demand	3rd Quarter 2002	growth compared to 2nd quarter 2002	growth compared to 3rd quarter 2001	
Euro-zone	1 521 428.0	0.3	0.3	
EU-15	1 887 688.0	0.4	0.7	
US	1 873 850.6	0.9	3.8	
JP	1 058 808.7	0.9	0.8	
External Balance	3rd Quarter 2002	Percentage of GDP (seasonally adjusted)		
Euro-zone	48 255.0	3.1		
EU-15	37 046.0	1.9		
US	- 95 979.4	-5.4		
JP	27 765.9	2.6		
Gross Value Added	3rd Quarter 2002	growth compared to 2nd quarter 2002	growth compared to 3rd quarter 2001	
Euro-zone	1 480 276.0	0.3	0.8	
EU-15	1 809 859.0	0.3	0.9	
US	:	:	:	
JP	:	:	:	

: Data not available.

T1 GROWTH RATE OF GDP AND EXPENDITURE COMPONENTS

t/t-1 Percentage change over previous quarter - seasonally adjusted - at constant prices (1995)

	GDP				Household & NPISH final consumption expenditure				Government final consumption expenditure				Gross Fixed Capital Formation				Change in Inventories (1)				Domestic Demand				Exports				Imports				External Balance (1)			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002					
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
Euro-zone	-0.3	0.4	0.3	0.3	0.0	-0.2	0.2	0.5	0.4	0.9	0.8	0.3	-0.9	-1.0	-1.2	0.0	-0.4	-0.3	-0.1	-0.2	-0.3	0.1	0.2	0.3	-1.3	0.0	1.6	2.2	-1.4	-0.9	1.4	2.2	2.6	2.9	3.0	3.1
EU-15	-0.2	0.4	0.4	0.4	0.2	0.0	0.4	0.6	0.6	1.2	0.2	0.4	-1.0	-1.1	-1.0	-0.2	-0.3	-0.2	-0.1	-0.1	0.0	0.2	0.1	0.4	-1.3	0.1	1.8	1.5	-1.0	-0.5	1.2	1.6	1.5	1.7	1.9	1.9
US	0.7	1.2	0.3	1.0	1.5	0.8	0.4	1.0	1.7	1.0	0.9	0.6	-1.0	0.4	-0.6	0.2	-0.3	0.4	0.8	0.9	0.7	1.4	0.7	0.9	-2.5	0.9	3.4	0.8	-1.3	2.1	5.1	0.6	-4.8	-5.0	-5.4	-5.4
JP	-0.5	0.2	1.0	0.7	0.3	0.5	0.5	0.8	0.7	0.5	0.6	0.9	-2.2	-1.3	-0.4	-1.0	-1.2	-1.5	-1.1	-0.6	-0.5	-0.3	0.7	0.9	-1.7	4.8	5.9	0.5	-2.2	-0.1	3.4	1.8	1.9	2.4	2.7	2.6

(1) Percentage of GDP.

T2 GROWTH RATE OF GDP AND EXPENDITURE COMPONENTS

t/t-4 Percentage change over the same quarter of the previous year - seasonally adjusted - at constant prices (1995)

	GDP				Household & NPISH final consumption expenditure				Government final consumption expenditure				Gross Fixed Capital Formation				Domestic Demand				Exports				Imports			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Euro-zone	0.4	0.3	0.6	0.8	1.6	0.5	0.2	0.6	1.5	2.2	2.5	2.4	-2.5	-3.2	-3.7	-3.0	-0.2	-0.2	-0.3	0.3	-2.8	-2.8	0.1	2.5	-4.6	-4.5	-2.3	1.2
EU-15	0.6	0.5	0.8	0.9	2.0	1.0	0.9	1.2	2.0	2.7	2.7	2.5	-2.9	-3.5	-3.9	-3.3	0.3	0.3	0.2	0.7	-3.2	-3.3	-0.1	2.1	-4.2	-3.9	-1.7	1.4
US	0.1	1.4	2.2	3.2	2.8	3.0	3.1	3.7	4.9	4.7	4.7	4.4	-4.7	-4.3	-2.9	-0.9	0.1	1.8	2.9	3.8	-11.4	-9.3	-3.0	2.5	-7.9	-4.1	2.6	6.5
JP	-2.3	-3.1	-0.6	1.5	1.3	-0.1	0.8	2.2	2.6	2.0	2.1	2.8	-7.7	-8.9	-6.0	-4.8	-1.9	-3.4	-1.4	0.8	-10.9	-4.9	5.7	9.6	-9.0	-8.6	-2.0	2.9

T3 GDP AND EXPENDITURE COMPONENTS

levels Third quarter 2002 - millions of euro - seasonally adjusted - at constant prices (1995)

	GDP	Household & NPISH final consumption expenditure	Government final consumption expenditure	Gross Fixed Capital Formation	Change in Inventories	Domestic Demand	Exports	Imports	External Balance
Euro-zone	1 569 683.0	886 927.0	314 209.0	323 110.0	- 2 818.0	1 521 428.0	611 319.0	563 064.0	48 255.0
EU-15	1 924 734.0	1 119 137.0	386 527.0	384 221.0	- 2 197.0	1 887 688.0	741 710.0	704 664.0	37 046.0
US	1 777 871.1	1 236 342.7	258 131.9	363 094.4	16 347.0	1 873 850.6	207 889.1	303 868.5	- 95 979.4
JP	1 086 574.6	607 952.9	186 725.6	270 874.1	- 6 558.8	1 058 808.7	121 851.8	94 086.0	27 765.9

T4 GROWTH RATE OF GDP AND GROSS VALUE ADDED BY INDUSTRY**t/t-1** Percentage change over previous quarter - seasonally adjusted - at constant prices (1995)

	GDP				Agriculture, hunting and fishing				Industry, incl. Energy				Construction				Trade, transport and communication services				Financial services and business activities				Other services				Total Gross Value Added (A6)			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
euro-zone	-0.3	0.4	0.3	0.3	-0.2	0.0	-0.2	0.9	-1.6	0.7	0.5	0.6	0.2	-0.7	-1.2	-0.3	0.0	0.3	0.5	0.2	0.2	0.2	0.4	0.1	0.5	0.6	0.5	0.3	-0.2	0.4	0.4	0.3
EU-15	-0.2	0.4	0.4	0.4	-0.4	0.0	-0.2	0.9	-1.7	0.4	0.5	0.6	0.4	-0.3	-0.8	-0.2	0.2	0.3	0.5	0.3	0.3	0.1	0.5	0.2	0.5	0.5	0.5	0.3	-0.2	0.3	0.4	0.3

T5 GROWTH RATE OF GDP AND GROSS VALUE ADDED BY INDUSTRY**t/t-4** Percentage change over the same quarter of the previous year - seasonally adjusted - at constant prices (1995)

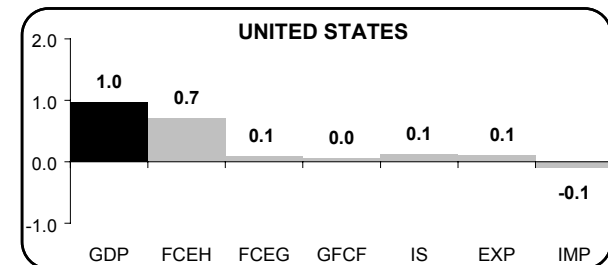
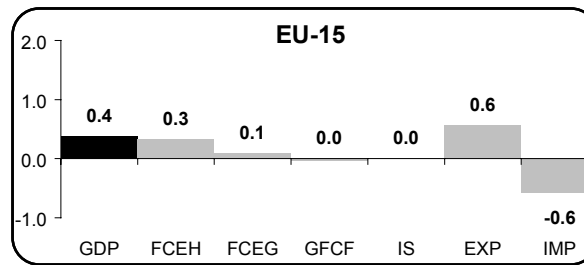
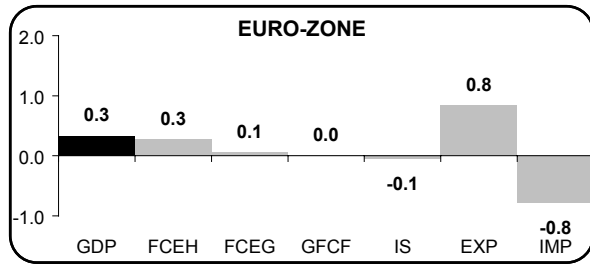
	GDP				Agriculture, hunting and fishing				Industry, incl. Energy				Construction				Trade, transport and communication services				Financial services and business activities				Other services				Total Gross Value Added (A6)			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
euro-zone	0.4	0.3	0.6	0.8	-0.5	1.3	1.1	0.5	-1.7	-2.1	-0.4	0.2	-0.5	-0.8	-1.8	-2.0	1.3	0.9	1.0	1.1	2.2	1.7	1.4	0.9	1.4	1.7	1.9	1.9	0.7	0.5	0.8	0.8
EU-15	0.6	0.5	0.8	0.9	-1.2	0.9	0.6	0.4	-2.1	-2.5	-0.7	-0.1	0.4	0.2	-0.7	-1.0	1.6	1.1	1.2	1.4	2.5	1.9	1.6	1.1	1.5	1.7	1.9	1.8	0.8	0.5	0.9	0.9

T6 GDP AND GROSS VALUE ADDED BY INDUSTRY**levels** Third quarter 2002 - millions of euro - seasonally adjusted - at constant prices (1995)

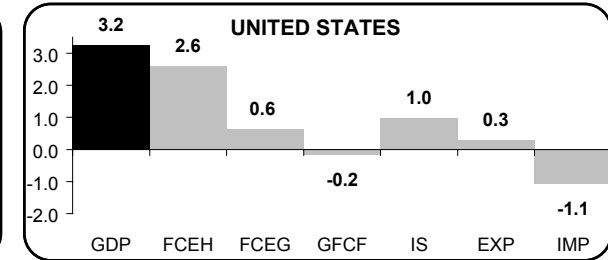
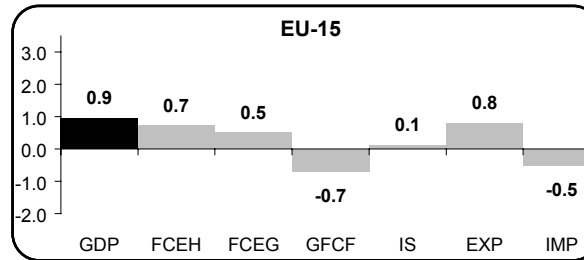
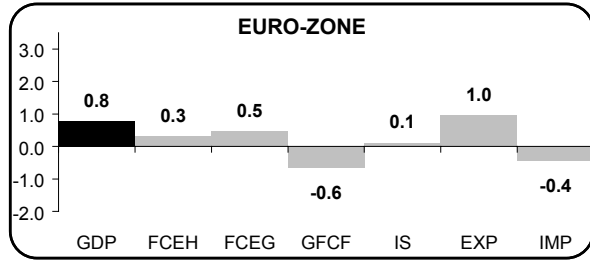
	GDP	GDP						Total Gross Value Added (A6)	Taxes less subsidies on products	FISIM
		Agriculture, hunting and fishing	Industry, incl. Energy	Construction	Trade, transport and communication services	Financial services and business activities	Other services			
EURO-ZONE	1 569 683.0	38 409.0	338 361.0	75 886.0	324 398.0	397 884.0	305 335.0	1 480 276.0	156 738.0	67 331.0
EU-15	1 924 734.0	43 785.0	411 364.0	91 498.0	401 902.0	486 444.0	374 864.0	1 809 859.0	197 163.0	82 288.0

FISIM: Financial Intermediation Services Indirectly Measured.

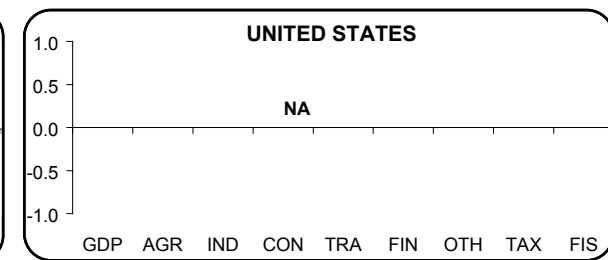
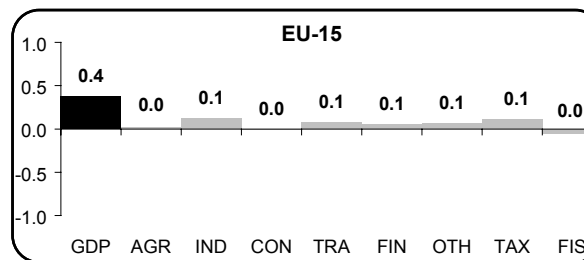
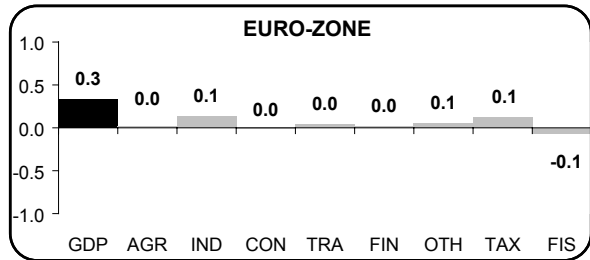
**Contribution (*) of expenditure components to variation in GDP
Q/Q-1 – Third Quarter 2002**



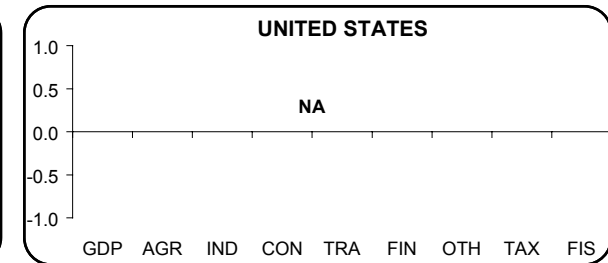
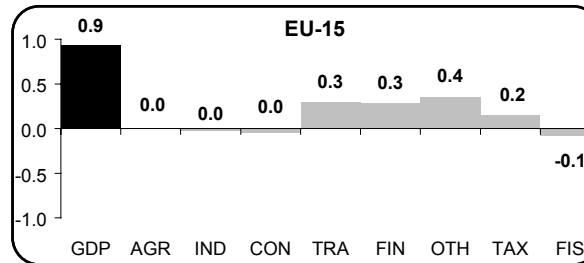
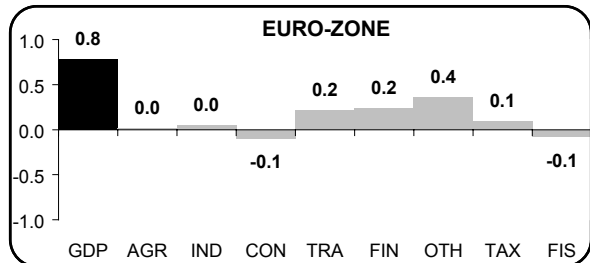
Q/Q-4 - Third Quarter 2002



**Contribution of output components to variation in GDP
Q/Q-1 – Third Quarter 2002**



Q/Q-4 – Third Quarter 2002



(*) Contributions to change in GDP are calculated by expressing absolute changes in components as a percentage of the GDP in the period referenced (q-1 or q-4, respectively). See the legend on page 7 for an explanation of the abbreviations used in the graphs.

T7 CONTRIBUTION OF EXPENDITURE COMPONENTS TO VARIATION IN GDP**t/t-1 GDP variation over previous quarter - seasonally adjusted - at constant prices (1995)**

	GDP				Household & NPISH final consumption expenditure				Government final consumption expenditure				Gross Fixed Capital Formation				Change in Inventories				Exports				Imports			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Euro-zone	-0.3	0.4	0.3	0.3	0.0	-0.1	0.1	0.3	0.1	0.2	0.1	0.1	-0.2	-0.2	-0.3	0.0	-0.1	0.2	0.1	-0.1	-0.5	0.0	0.6	0.8	0.5	0.3	-0.5	-0.8
EU-15	-0.2	0.4	0.4	0.4	0.1	0.0	0.3	0.3	0.1	0.2	0.0	0.1	-0.2	-0.2	-0.2	0.0	-0.1	0.1	0.0	0.0	-0.5	0.0	0.7	0.6	0.4	0.2	-0.4	-0.6
US	0.7	1.2	0.3	1.0	1.0	0.5	0.3	0.7	0.3	0.1	0.1	0.1	-0.2	0.1	-0.1	0.0	-0.3	0.7	0.4	0.1	-0.3	0.1	0.4	0.1	0.2	-0.3	-0.8	-0.1
JP	-0.5	0.2	1.0	0.7	0.2	0.3	0.3	0.4	0.1	0.1	0.1	0.2	-0.6	-0.4	-0.1	-0.2	-0.2	-0.3	0.4	0.5	-0.2	0.5	0.6	0.1	0.2	0.0	-0.3	-0.2

t/t-4 GDP variation over the same quarter of the previous year - seasonally adjusted - at constant prices (1995)

Euro-zone	0.4	0.3	0.6	0.8	0.9	0.3	0.1	0.3	0.3	0.4	0.5	0.5	-0.6	-0.7	-0.8	-0.6	-0.8	-0.2	-0.1	0.1	-1.1	-1.1	0.0	1.0	1.7	1.7	0.9	-0.4
EU-15	0.6	0.5	0.8	0.9	1.1	0.6	0.5	0.7	0.4	0.5	0.5	0.5	-0.6	-0.7	-0.8	-0.7	-0.6	-0.1	-0.1	0.1	-1.3	-1.3	0.0	0.8	1.6	1.5	0.6	-0.5
US	0.1	1.4	2.2	3.2	1.9	2.0	2.1	2.6	0.7	0.7	0.7	0.6	-1.0	-0.9	-0.6	-0.2	-1.4	0.2	0.8	1.0	-1.5	-1.2	-0.4	0.3	1.4	0.7	-0.4	-1.1
JP	-2.3	-3.1	-0.6	1.5	0.7	-0.1	0.5	1.2	0.4	0.3	0.4	0.5	-2.1	-2.4	-1.6	-1.3	-0.8	-1.1	-0.6	0.3	-1.2	-0.5	0.6	1.0	0.8	0.8	0.2	-0.2

T8 CONTRIBUTION OF GROSS VALUE ADDED BY INDUSTRY TO VARIATION IN GDP**t/t-1 GDP variation over previous quarter - seasonally adjusted - at constant prices (1995)**

	GDP				Agriculture, hunting and fishing				Industry, incl. Energy				Construction				Trade, transport and communication services				Financial services and business activities				Other services				Taxes less subsidies on products				FISIM			
	2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002		2001		2002					
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
Euro-zone	-0.3	0.4	0.3	0.3	0.0	0.0	0.0	0.0	-0.4	0.2	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1
EU-15	-0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.0	-0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0

t/t-4 GDP variation over the same quarter of the previous year - seasonally adjusted - at constant prices (1995)

Euro-zone	0.4	0.3	0.6	0.8	0.0	0.0	0.0	0.0	-0.4	-0.5	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.3	0.2	0.2	0.2	0.6	0.4	0.3	0.2	0.3	0.3	0.4	0.4	0.0	0.0	-0.1	0.1	-0.2	-0.1	-0.1	-0.1
EU-15	0.6	0.5	0.8	0.9	0.0	0.0	0.0	0.0	-0.5	-0.6	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.3	0.6	0.5	0.4	0.3	0.3	0.3	0.4	0.4	0.1	0.1	0.0	0.2	-0.2	-0.1	-0.1	-0.1

FISIM: Financial Intermediation Services Indirectly Measured.

➤ ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

Data are compiled in accordance with ESA 1995 (European System of Accounts) which is described in Council Regulation No 2223/96 of 25. June 1995.

Gross Domestic Product (GDP) at market prices is the final result of the production activity of resident producer units. It may be compiled from different sources relating to different approaches:

Using the **expenditure approach**, GDP is obtained from the following equation:

$$\begin{aligned} \text{GDP} = & \text{Household final consumption expenditure} \\ & + \text{Government final consumption expenditure} \\ & + \text{Gross fixed capital formation} \\ & + \text{Change in inventories} \\ & + \text{Exports} \\ & - \text{Imports.} \end{aligned}$$

The first four components constitute **domestic demand**, the balance of the latter two, i.e. exports minus imports, is the **external balance**.

Final consumption expenditure (ESA 1995 3.75) is defined as expenditure on goods and services that are used for the direct satisfaction of individual or collective needs. The consumption expenditure may take place on the economic territory or abroad. **Household final consumption expenditure** entails the expenditure of non-profit institutions serving households (NPISHs). **Government final consumption expenditure** includes the value of goods and services produced by general government itself other than own-account capital formation, and purchases by general government of goods and services produced by market producers that are supplied to households — without any transformation — as social transfers in kind.

Gross fixed capital formation (ESA 1995, 3.102) consists of acquisitions, less disposals, of fixed tangible or intangible assets.

Changes in inventories (ESA 1995, 3.117) are measured by the value of the entries into inventories less the value of withdrawals and recurrent losses. Inventories include materials and supplies as well as work-in-progress and growing crops.

Exports and imports (ESA 1995, 3.128 f.) of goods and services are transactions between residents and non-residents. They consist of sales, barter, gifts and grants. Imports and exports of goods are valued free on board at the border of the exporting country (f.o.b.).

Using the **output approach**, GDP is obtained from the following equation:

$$\begin{aligned} \text{GDP} = & \text{Total Gross value added (A6)} \\ & + \text{Taxes less subsidies on products} \\ & - \text{FISIM.} \end{aligned}$$

Gross value added (GVA) (ESA 1995, 8.11) is defined as the value of all newly generated goods and services less the value of all goods and services consumed as intermediate consumption. The depreciation of fixed assets is not taken into account. Gross value added is compiled by industry that creates it. Here, the A6 breakdown of the NACE Rev. 1 is used. This is the European classification of economic activities governed by Council Regulation 3037/90 of 9 October 1990. It should be noted that total gross value added, i.e. the sum of industries' GVA, still contains some intermediate consumption (FISIM, see below). GVA of a whole economy is therefore to be calculated as Total GVA minus FISIM.

When calculating value added, output is valued at basic prices and intermediate consumption at purchaser's prices, and thus the difference between taxes and subsidies on products has to be added to value added.

Taxes less subsidies on products (ESA 1995, 9.47) are, in fact, a part of value added measured in the government accounts because of the different prices used. The GDP resulting from the above equation will then be valued at market prices.

FISIM (Financial Intermediation Services Indirectly Measured, ESA 1995, 8.14) is a kind of intermediate consumption paid to financial service providers via the interest margin, which cannot be allocated directly to individual customers as intermediate consumption, so value added is overestimated for the branches. FISIM is therefore normally considered to be intermediate consumption at the national economy level.

Legend:

GDP:	Gross Domestic Product
FCEH:	Household final consumption expenditure
FCEG:	Government final consumption expenditure
GFCF:	Gross fixed capital formation
IS:	Changes in inventories
IMP:	Imports
EXP:	Exports
EB:	External balance

GVA:	Gross Value Added
AGR:	Agriculture, hunting and fishing
IND:	Industry, including energy
CON:	Construction
TRA:	Trade, transport and communication services
FIN:	Business activities and financial services
OTH:	Other services
TAX:	Taxes less subsidies on products
FIS:	FISIM

Further information:

➤ Databases

New Cronos: Theme 2
Domain: quart

To obtain information or to order publications, databases and special sets of data, please contact the **Data Shop** network:

BELGIQUE/BELGIË	DANMARK	DEUTSCHLAND	ESPAÑA	FRANCE	ITALIA – Roma
Eurostat Data Shop Bruxelles/Brussel Planistat Belgique Rue du Commerce 124 Handelsstraat 124 B-1000 BRUXELLES / BRUSSEL Tel. (32-2) 234 67 50 Fax (32-2) 234 67 51 E-mail: datashop@planistat.be URL: http://www.datashop.org/	DANMARKS STATISTIK Bibliotek og Information Eurostat Data Shop Sejrogade 11 DK-2100 KØBENHAVN Ø Tlf. (45) 39 17 30 30 Fax (45) 39 17 30 03 E-mail: hb@dst.dk URL: http://www.dst.dk/bibliotek	STATISTISCHES BUNDESAMT Eurostat Data Shop Berlin Otto-Braun-Straße 70-72 (Eingang: Karl-Marx-Allee) D-10178 BERLIN Tel. (49) 1888 644 94 27/28 Fax (49) 1888-644 94 30 E-Mail: datashop@destatis.de URL: http://www.eu-datashop.de/	INE Eurostat Data Shop Paseo de la Castellana, 183 Despacho 011B Entrada por Estébanez Calderón E-28046 MADRID Tel. (34-91) 583 91 67/ 583 95 00 Fax (34-91) 583 03 57 E-mail: datashop.eurostat@ine.es URL: http://www.datashop.org/	INSEE Info Service Eurostat Data Shop 195, rue de Bercy Tour Gamma A F-75582 PARIS CEDEX 12 Tél. (33-1) 53 17 88 44 Fax (33-1) 53 17 88 22 E-mail: datashop@insee.fr	ISTAT Centro di Informazione Statistica Sede di Roma, Eurostat Data Shop Via Cesare Balbo, 11a I-00184 ROMA Tel. (39-06) 46 73 31 02/06 Fax (39-06) 46 73 31 01/07 E-mail: dipdiff@istat.it
ITALIA – Milano	LUXEMBOURG	NEDERLAND	NORGE	PORTUGAL	SCHWEIZ/SUISSE/SVIZZERA
ISTAT Ufficio Regionale per la Lombardia Eurostat Data Shop Via Fieno 3 I-20123 MILANO Tel. (39-02) 80 61 32 460 Fax (39-02) 80 61 32 304 E-mail: mleuro@tin.it	Eurostat Data Shop Luxembourg 46A, avenue J.F. Kennedy BP 1452 L-1014 LUXEMBOURG Tél. (352) 43 35-2251 Fax (352) 43 35-2221 E-mail: dslux@eurostat.datashop.lu URL: http://www.datashop.org/	STATISTICS NETHERLANDS Eurostat Data Shop-Voorburg Postbus 4000 2270 JM VOORBURG Nederland Tel. (31-70) 337 49 00 Fax (31-70) 337 59 84 E-mail: datashop@cbs.nl	Statistics Norway Library and Information Centre Eurostat Data Shop Kongens gate 6 Boks 8131 Dep. N-0033 OSLO Tel. (47) 21 09 46 42/43 Fax (47) 21 09 45 04 E-mail: Datashop@ssb.no	Eurostat Data Shop Lisboa INE/Serviço de Difusão Av. António José de Almeida, 2 P-1000-043 LISBOA Tel. (351-21) 842 61 00 Fax (351-21) 842 63 64 E-mail: data.shop@ine.pt	Statistisches Amt des Kantons Zürich, Eurostat Data Shop Bleicherweg 5 CH-8090 Zürich Tel. (41-1)225 12 12 Fax (41-1)225 12 99 E-mail: datashop@statistik.zh.ch URL: http://www.statistik.zh.ch
SUOMI/FINLAND	SVERIGE	UNITED KINGDOM	UNITED STATES OF AMERICA		
STATISTICS FINLAND Eurostat Data Shop Helsinki Tilastokirjasto PL 2B FIN-00022 Tilastokeskus Työpajakatu 13 B, 2.Kerros, Helsinki P. (358-9) 17 34 22 21 F. (358-9) 17 34 22 79 Sähköposti: datashop@stat.fi URL: http://www.tilastokeskus.fi/ttk/kk/datashop/	STATISTICS SWEDEN Information service Eurostat Data Shop Karlavägen 100 - Box 24 300 S-104 51 STOCKHOLM Tfn (46-8) 50 69 48 01 Fax (46-8) 50 69 48 99 E-post: infoservice@scb.se URL: http://www.scb.se/tjanster/datashop/datashop.asp	Eurostat Data Shop Office for National Statistics Room 1.015 Cardiff Road Newport South Wales NP10 8XG United Kingdom Tel. (44-1633) 81 33 69 Fax (44-1633) 81 33 33 E-mail: eurostat.datashop@ons.gov.uk	HAVER ANALYTICS Eurostat Data Shop 60 East 42nd Street Suite 3310 NEW YORK, NY 10165 USA Tel. (1-212) 986 93 00 Fax (1-212) 986 69 81 E-mail: eurodata@haver.com		

Media Support Eurostat (for professional journalists only):
 Bech Building Office A4/017 • L-2920 Luxembourg • Tel. (352) 4301 33408 • Fax (352) 4301 35349 • e-mail: eurostat-mediasupport@cec.eu.int

For information on methodology

Roberto BARCELLAN Tel. (352) 4301 35802 E-mail: roberto.barcellan@cec.eu.int Eurostat/B2, L-2920 Luxembourg
 Ingo KUHNERT Tel. (352) 4301 35234 E-mail: ingo.kuhnert@cec.eu.int Fax (352) 4301 33879
 ORIGINAL: French Layout: Cindy BROCKLY Co-author: Pietro BENEDETTI

Please visit our web site at www.europa.eu.int/comm/eurostat/ for further information!

A list of worldwide sales outlets is available at the **Office for Official Publications of the European Communities**.

2 rue Mercier – L-2985 Luxembourg
 Tel. (352) 2929 42118 Fax (352) 2929 42709
 URL: http://publications.eu.int
 E-mail: info-info-opoce@cec.eu.int

BELGIQUE/BELGIË – DANMARK – DEUTSCHLAND – GREECE/ELLADA – ESPAÑA – FRANCE – IRELAND – ITALIA – LUXEMBOURG – NEDERLAND – ÖSTERREICH
 PORTUGAL – SUOMI/FINLAND – SVERIGE – UNITED KINGDOM – ISLAND – NORGE – SCHWEIZ/SUISSE/SVIZZERA – BALGARUA – CESKÁ REPUBLIKA – CYPRUS
 EESTI – HRVATSKA – MAGYARORSZÁG – MALTA – POLSKA – ROMÂNIA – RUSSIA – SLOVAKIA – SLOVENIA – TÜRKIYE – AUSTRALIA – CANADA – EGYPT – INDIA
 ISRAËL – JAPAN – MALAYSIA – PHILIPPINES – SOUTH KOREA – THAILAND – UNITED STATES OF AMERICA

Order form

I would like to subscribe to Statistics in focus (from 1.1.2002 to 31.12.2002):
 (for the Data Shop and sales office addresses see above)

- Formula 1:** All 9 themes (approximately 180 issues)
- Paper: EUR 360
 Language required: DE EN FR
- Formula 2:** One or more of the following nine themes:
- Theme 1 'General statistics'
 Theme 6 'External trade'
 Theme 7 'Transport'
 Theme 9 'Science and technology'
 Paper: EUR 42
- Theme 2 'Economy and finance'
 Theme 3 'Population and social conditions'
 Theme 4 'Industry, trade and services'
 Theme 5 'Agriculture and fisheries'
 Theme 8 'Environment and energy'
 Paper: EUR 84
 Language required: DE EN FR

- Please send me a free copy of 'Eurostat mini-guide' (catalogue containing a selection of Eurostat products and services)
 Language required: DE EN FR
- I would like a free subscription to 'Statistical References', the information letter on Eurostat products and services
 Language required: DE EN FR
- Mr Mrs Ms
(Please use block capitals)
 Surname: _____ Forename: _____
 Company: _____ Department: _____
 Function: _____
 Address: _____
 Post code: _____ Town: _____
 Country: _____
 Tel.: _____ Fax: _____
 E-mail: _____

Payment on receipt of invoice, preferably by:

- Bank transfer
 Visa Eurocard
 Card No: _____ Expires on: ____/____/____

Please confirm your intra-Community VAT number:

If no number is entered, VAT will be automatically applied. Subsequent reimbursement will not be possible.

Statistics in focus can be downloaded (pdf file) free of charge from the Eurostat web site. You only need to register. For other solutions, contact your Data Shop.