



Statistics in focus

INDUSTRY, TRADE AND SERVICES

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Developments for labour input indicators during the first quarter of 2003

Industrial employment down by 0.2% in the EU

Romy Becker-Schneider

In the first quarter of 2003, when compared with the final quarter of 2002, industrial employment (excluding construction) in the EU declined by 0.2%, while the corresponding rate for the euro-zone was -0.1% (both seasonally adjusted)¹. Over the same period there was a decrease of 0.6% in the seasonally adjusted index of hours worked in the EU and of 0.5% in the euro-zone. Despite these declines in both indices of labour input, the wages and salaries index grew during the same period by 0.3% both in the EU and in the euro-zone.

	Quarter on quarter growth rates, seasonally adjusted data				Year on year growth rates, gross data			
	EU-15		Euro-zone		EU-15		Euro-zone	
Employment	Q1-03	-0.2	Q1-03	-0.1	Q1-03	-2.1	Q1-03	-1.8
Hours worked	Q1-03	-0.6	Q1-03	-0.5	Q1-03	-1.8	Q1-03	-1.3
Wages & salaries	Q1-03	0.3	Q1-03	0.3	Q1-03	0.9	Q1-03	0.9

Table 1: Recent growth rates for total industry (excluding construction) (%)

Employment index for industry (excluding construction)

On the basis of a seasonally adjusted comparison with the previous quarter, industrial employment in the first quarter of 2003 experienced its twelfth consecutive decrease in the EU and its eighth consecutive decrease in the euro-zone. Nevertheless, the latest decline was notably smaller than in the previous two quarters.

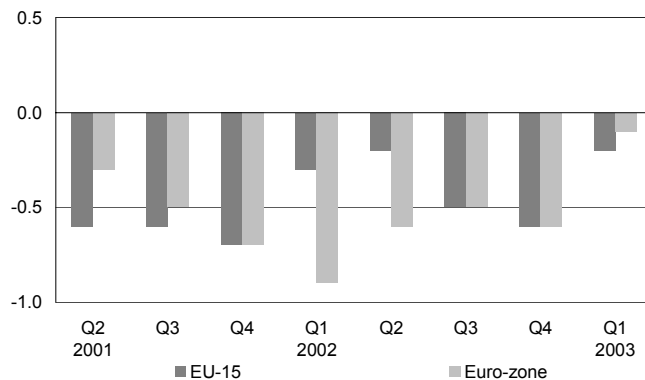


Figure 1: Employment index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

¹ Eurostat has moved short-term indices from base year 1995 to base year 2000. For further details see: http://www.europa.eu.int/comm/eurostat/Public/dashop/print-product/EN?catalogue=Eurostat&product=EBT_rebasing-EN&mode=download

Data extracted on: 16.07.2003



In the first quarter of 2003 industrial employment decreased by 2.1% in the EU and by 1.8% in the euro-zone, when compared with the same quarter of the previous year. Both for the EU and the euro-zone these declines were the smallest since the last quarter of 2001, when for the EU and the euro-zone decreases of 1.7% and 1.2% were reported. In the intervening periods rates ranged between -2.5% and -2.9% in both the EU and the euro-zone.

A breakdown by main industrial grouping (MIGs) shows that in the first quarter of 2003 the negative employment tendency continued in most of the MIGs, both in a yearly and a quarterly comparison. Some positive quarter on quarter rates of change were however recorded, notably in energy, where euro-zone employment grew by 0.4% (EU 0.0%). In consumer durables there was also an increase of 0.1% in the euro-zone.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
Total industry (excluding construction)	EU-15	-0.7	-0.3	-0.2	-0.5	-0.6	-0.2	-1.7	-2.8	-2.9	-2.9	-2.8	-2.1
	Euro-zone	-0.7	-0.9	-0.6	-0.5	-0.6	-0.1	-1.2	-2.5	-2.7	-2.7	-2.6	-1.8
Energy	EU-15	-0.8	-1.4	-0.6	-0.4	-0.5	0.0	-2.2	-3.3	-3.4	-3.1	-2.8	-1.5
	Euro-zone	-1.0	-1.4	-0.6	-0.4	-0.6	0.4	-3.1	-4.4	-4.0	-3.4	-2.9	-1.2
Intermediate goods	EU-15	-1.1	-1.0	-0.6	-0.6	-0.3	-0.4	-1.5	-3.5	-3.4	-3.1	-2.5	-1.9
	Euro-zone	-1.2	-1.0	-0.5	-0.6	-0.3	-0.3	-0.8	-3.2	-3.1	-2.9	-2.3	-1.6
Capital goods	EU-15	-0.7	-0.8	-0.9	-0.7	-0.5	-0.1	-0.2	-2.2	-2.8	-2.7	-2.9	-2.2
	Euro-zone	-0.5	-0.8	-0.9	-0.5	-0.4	-0.1	0.4	-1.7	-2.5	-2.4	-2.5	-1.8
Consumer durables	EU-15	-1.2	-1.1	-1.2	-0.8	-0.9	-0.1	-1.2	-3.7	-4.3	-3.7	-4.0	-3.0
	Euro-zone	-1.0	-1.0	-1.1	-0.6	-0.9	0.1	-0.8	-3.2	-3.9	-3.3	-3.6	-2.5
Consumer non-durables	EU-15	-0.3	-0.5	-0.3	-0.5	-0.4	-0.3	-0.2	-1.5	-1.1	-1.3	-1.7	-1.6
	Euro-zone	-0.1	-0.5	-0.3	-0.4	-0.5	-0.3	0.9	-1.0	-0.7	-0.9	-1.6	-1.5

Table 2: Employment index for the MIGs, growth rates (%)

In the first quarter of 2003 the majority of the Member States reported decreased industrial employment in a range between -0.1% (Germany) and -1.4% (Belgium) when compared with the fourth quarter of 2002. Exceptions were in Spain (0.6%), Finland (0.3%) and Luxembourg (0.0%).

Looking at the change between the first quarters of 2002 and 2003 Spain was, for the second consecutive quarter, the only country to register an increase in industrial employment (1.9%).

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
EU-15	-0.7	-0.3	-0.2	-0.5	-0.6	-0.2	-1.7	-2.8	-2.9	-2.9	-2.8	-2.1
Euro-zone	-0.7	-0.9	-0.6	-0.5	-0.6	-0.1	-1.2	-2.5	-2.7	-2.7	-2.6	-1.8
BE	-1.2	-1.0	-0.9	-0.8	-0.6	-1.4	-2.1	-3.1	-3.6	-3.9	-3.2	-3.7
DK	-0.6	-1.2	1.3	-2.3	-0.9	-1.0	-2.3	-3.1	-2.4	-2.9	-2.7	-3.2
DE	-0.6	-1.0	-0.6	-0.7	-0.5	-0.1	-0.7	-2.0	-2.7	-3.1	-3.1	-1.2
EL	:	:	:	:	:	:	:	:	:	:	:	:
ES	-0.8	-0.8	1.2	0.6	-0.3	0.6	0.0	-2.5	-0.4	0.6	0.6	1.9
FR	-0.5	-0.6	-0.6	-0.6	-0.4	-0.4	-0.3	-1.4	-1.8	-2.1	-2.2	-2.0
IE	:	:	:	:	:	:	:	:	:	:	:	:
IT	-1.2	-0.9	-1.2	-0.7	-0.6	-1.0	-3.8	-4.9	-4.8	-4.1	-3.5	-3.5
LU	-0.6	0.3	-0.8	-0.7	-0.4	0.0	-0.8	-0.9	-1.9	-1.8	-1.7	-1.7
NL	-0.3	-0.4	-0.5	-0.7	-0.8	-1.0	-0.5	-0.8	-1.5	-2.1	-2.5	-2.7
AT	-0.7	-0.7	-0.6	-1.0	-0.3	:	0.1	-1.5	-2.0	-2.9	-2.6	:
PT	-1.2	-1.0	-1.4	-1.2	-1.1	-1.1	-1.2	-3.3	-4.0	-4.2	-4.6	-4.6
FI	0.8	0.3	-2.4	0.3	-3.1	0.3	1.0	2.0	-0.7	-1.0	-4.6	-5.2
SE	:	:	:	:	:	:	:	:	:	:	:	:
UK	-1.3	-0.9	-1.0	-1.1	-0.8	-0.7	-4.5	-4.7	-4.5	-4.3	-3.8	-3.5

Table 3: Employment index for total industry (excluding construction), growth rates (%)

Employment index for services

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
Retail trade	EU-15	0.7	0.4	0.5	0.1	0.3	0.0	2.9	2.1	2.2	1.8	1.4	0.9
Division 52	Euro-zone	0.8	0.6	0.3	0.4	0.4	0.3	3.0	2.6	2.4	2.2	1.7	1.4
	DK	-0.1	0.1	0.8	0.2	0.2	0.6	-0.6	-0.2	0.8	0.8	1.1	1.8
	DE (1)	-0.2	0.2	0.1	-0.5	-0.7	-0.3	0.4	0.3	-0.5	-1.2	-2.2	-2.8
	ES (1)	0.4	0.8	0.4	0.9	1.1	0.7	5.3	2.5	3.5	3.5	3.0	3.3
	FR	0.9	0.6	0.5	0.5	0.4	0.6	3.5	3.4	2.6	2.5	1.7	2.1
	IE (1)	-0.8	4.3	-2.6	-0.3	2.6	:	4.5	3.6	1.6	2.2	4.0	:
	IT	1.5	1.8	1.7	1.7	1.7	1.4	5.0	6.3	6.4	6.6	7.6	6.5
	LU (1)	2.2	-1.2	-0.7	-0.1	0.5	-0.2	5.4	3.6	1.9	0.2	-1.5	-0.6
	NL	0.5	0.3	0.2	0.3	0.2	-0.3	1.8	1.2	1.4	1.4	1.0	0.4
	AT (1)	-0.1	-0.3	-0.3	-0.3	-0.3	:	0.9	-0.1	-0.6	-1.1	-1.2	:
	PT (1)	0.3	0.1	0.1	0.6	0.3	-0.2	4.3	2.1	1.2	1.2	1.3	0.8
	FI	4.1	-1.0	0.2	0.0	-1.7	0.4	5.8	4.2	2.9	3.3	-2.8	-1.2
	UK	6.0	-4.7	0.7	-1.0	5.8	-5.9	2.7	0.8	1.8	0.7	0.5	-0.7
Distribution (including retail trade)	EU-15	0.3	0.2	0.2	-0.1	0.2	-0.1	1.3	1.0	0.9	0.6	0.6	0.3
Section G	Euro-zone	-0.1	2.5	0.1	0.5	0.9	:	1.3	1.4	1.0	0.9	0.8	:
	DK (2)	-1.1	-0.7	0.0	-0.5	0.1	0.8	-1.4	-2.2	-1.8	-1.9	-0.9	0.2
	DE (2)	-0.4	-0.3	0.2	-0.7	-0.7	-0.5	-1.2	-1.1	-1.5	-2.1	-2.7	-2.6
	FR	0.6	0.5	0.3	0.4	0.3	:	2.5	2.3	1.9	1.8	1.3	:
	IE	0.4	2.4	-1.7	0.0	1.4	:	1.2	1.1	-0.8	1.6	2.0	:
	IT	1.0	1.3	1.2	1.5	1.5	1.3	3.5	4.5	4.2	4.7	5.9	5.5
	LU (2)	0.9	0.5	0.1	0.2	0.3	0.5	4.4	3.9	3.0	1.8	1.1	1.1
	AT	0.1	-0.3	-0.3	-0.4	-0.3	:	0.8	0.2	-0.4	-0.9	-1.2	:
	PT	0.1	-0.2	0.1	-0.3	-0.4	-0.9	2.7	1.0	0.7	-0.2	-0.7	-1.6
	FI	3.9	0.7	-1.0	1.0	0.1	1.5	3.0	1.7	-0.8	4.6	0.8	1.6
	UK	0.1	0.1	0.0	-0.2	-0.1	-0.4	1.3	0.3	0.8	0.2	0.3	-1.0
Hotels & restaurants	EU-15	0.6	1.1	0.1	1.0	0.0	0.3	3.6	3.5	2.3	2.8	2.1	1.4
Section H	Euro-zone	0.9	0.4	0.1	0.0	0.2	-0.5	4.0	3.8	2.3	1.5	0.8	-0.3
	DK (2)	0.2	-0.2	-0.4	-0.4	0.1	1.1	3.5	0.9	1.5	1.1	-1.1	-0.6
	DE (2)	-0.4	-0.9	-1.0	-1.6	-1.3	-1.2	1.4	-1.7	-2.0	-3.6	-4.8	-5.0
	FR	0.3	0.7	-0.6	0.8	1.0	:	2.4	3.2	-0.4	0.8	2.1	:
	IE	-0.1	1.3	-0.9	0.5	1.5	:	-0.9	1.9	-0.1	0.2	3.0	:
	IT	3.0	3.2	1.8	1.0	0.7	-0.4	10.8	12.0	11.2	9.3	6.9	3.1
	LU (2)	1.7	2.0	0.7	1.3	1.3	-0.1	4.7	6.7	5.6	4.9	6.7	2.1
	AT	0.2	1.2	0.7	1.1	:	:	-1.8	4.9	1.9	1.7	:	:
	PT	0.4	-0.8	0.6	-0.7	-0.1	0.2	3.9	1.6	1.1	-0.6	-1.1	0.0
	FI	0.9	0.8	0.1	1.5	-8.1	4.2	5.6	9.3	5.2	1.8	-6.0	-2.8
	UK	1.0	1.1	0.7	1.8	1.1	1.3	2.8	3.0	2.1	5.7	5.0	5.2
Transport & communica- tion	EU-15	0.0	-0.6	-0.1	-0.2	-0.5	0.1	0.3	-0.8	-1.0	-0.9	-1.4	-1.1
Section I	DK (2)	-0.2	-0.4	-0.7	-0.8	-0.6	-0.1	-0.2	-0.3	-1.3	-2.1	-2.6	-2.2
	FR	0.3	0.3	0.8	0.1	0.3	:	1.9	1.1	1.9	1.7	1.4	:
	IE	0.3	-1.7	0.7	1.6	0.1	:	4.8	0.8	-2.1	0.9	0.7	:
	IT	-1.2	-1.5	-1.0	-0.6	-0.5	-0.1	-4.3	-5.1	-4.7	-4.3	-3.9	-2.1
	AT	-0.4	-0.3	-0.4	-0.5	:	:	-0.9	-1.0	-1.1	-1.9	:	:
	PT	0.6	-1.2	-0.6	-0.6	-1.5	-0.7	0.0	-1.1	-1.8	-1.8	-3.9	-3.4
	FI	1.0	-3.5	0.0	1.7	-1.7	2.1	0.3	-3.2	-4.9	-0.8	-2.7	1.2
	UK	0.2	-0.7	0.0	-0.3	-0.9	0.6	1.6	0.0	-0.9	-0.8	-1.9	-0.6
Business services	DK (2)	0.8	1.5	0.9	1.2	0.0	-3.0	7.7	4.2	1.7	4.2	2.9	-4.5
Divisions 72 and 74	FR	1.3	0.6	1.2	-0.4	1.6	-1.2	2.0	0.9	1.9	1.7	3.1	1.8
	IE	2.5	-1.3	1.0	-3.1	-1.8	:	8.9	5.1	6.1	-0.2	-5.1	:
	IT (3)	:	:	:	:	:	:	7.5	7.3	6.3	2.5	1.8	2.7
	AT	1.2	1.7	1.8	1.3	:	:	4.1	3.4	4.6	5.4	:	:
	PT (3)	:	:	:	:	:	:	3.4	3.5	3.5	3.0	-0.3	-1.4
	FI	2.8	-1.1	1.9	-1.3	3.1	3.4	6.0	1.5	5.5	2.6	3.0	7.3
	UK	-0.1	0.3	-0.4	-0.3	-0.4	-0.2	1.4	1.7	0.3	-0.6	-1.1	-1.1

Table 4: Employment index for services, growth rates (%)

No data available for Member States excluded from the table. SE, data only available for the third and fourth quarters of 2002 and the first quarter of 2003. (1) Excluding Group 52.7. (2) Provisional data for the latest quarter. (3) Time-series not long enough for seasonal adjustment.

Hours worked index for total industry (excluding construction)

In the first quarter of 2003, the hours worked index for total industry recorded its eighth consecutive quarterly decline in the EU (-0.6%) and in the euro-zone (-0.5%) compared to the quarter before. The rates of change for the first quarter of 2003 were slightly more negative than the rates for the final quarter of 2002. A breakdown by the MIGs shows that only the energy sector in the euro-zone reported an increase (0.5%) in the first quarter of 2003 compared with the previous quarter.

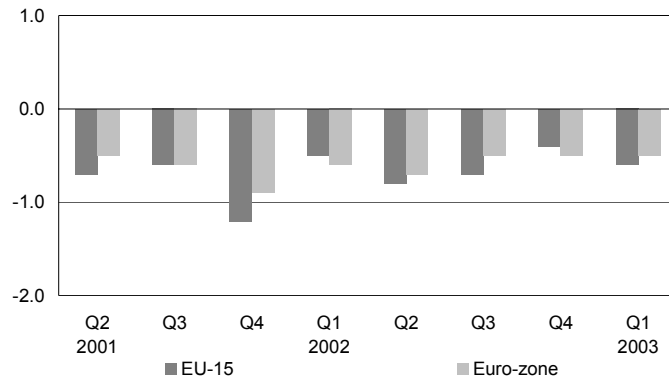


Figure 2: Hours worked index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
Total industry (excluding construction)	EU-15	-1.2	-0.5	-0.8	-0.7	-0.4	-0.6	-2.1	-3.9	-2.5	-2.8	-2.5	-1.8
	Euro-zone	-0.9	-0.6	-0.7	-0.5	-0.5	-0.5	-1.6	-3.7	-2.1	-2.1	-2.3	-1.3
Energy	EU-15	-1.0	-1.9	-0.9	-1.9	0.2	-0.1	1.2	-2.7	-4.2	-4.4	-4.4	-2.5
	Euro-zone	-1.6	-2.5	-1.0	-1.6	-0.2	0.5	0.5	-4.9	-5.0	-5.3	-5.2	-1.3
Intermediate goods	EU-15	-0.9	-0.5	-0.4	-0.9	0.1	-0.8	-1.9	-3.4	-1.7	-2.2	-1.4	-1.7
	Euro-zone	-0.7	-0.3	-0.5	-0.4	-0.2	-0.6	-1.3	-3.1	-1.2	-1.5	-1.1	-1.2
Capital goods	EU-15	-0.7	-0.6	-0.5	-0.4	-0.1	-0.4	-1.2	-3.4	-1.7	-2.0	-1.5	-0.6
	Euro-zone	-0.6	-0.5	-0.5	-0.1	0.0	-0.1	-0.4	-2.9	-0.9	-1.3	-1.1	0.4
Consumer durables	EU-15	-0.2	-2.5	-0.8	-1.5	-0.7	-0.6	-0.7	-4.9	-3.3	-4.6	-5.3	-2.7
	Euro-zone	-0.4	-1.5	-0.8	-0.8	-1.0	-0.5	-0.9	-3.9	-2.5	-3.2	-4.4	-2.2
Consumer non-durables	EU-15	-1.1	-0.2	-0.3	-1.1	0.4	-0.4	-1.3	-2.6	-1.4	-2.1	-1.0	-1.1
	Euro-zone	-0.7	-0.2	-0.3	-0.6	0.2	-0.4	-0.6	-2.4	-1.0	-1.3	-0.6	-0.7

Table 5: Hours worked index for the MIGs, growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
EU-15	-1.2	-0.5	-0.8	-0.7	-0.4	-0.6	-2.1	-3.9	-2.5	-2.8	-2.5	-1.8
Euro-zone	-0.9	-0.6	-0.7	-0.5	-0.5	-0.5	-1.6	-3.7	-2.1	-2.1	-2.3	-1.3
BE	-0.6	-1.8	-0.7	0.1	-2.0	-1.6	-3.2	-6.1	-3.6	-2.6	-2.9	-3.8
DE	-1.5	-1.3	-1.3	-0.1	-1.1	0.3	-2.5	-6.1	-3.9	-3.3	-4.0	-0.9
ES	:	:	:	:	:	:	-0.3	-5.0	1.6	-1.1	0.6	1.9
FR	-0.5	-0.7	-0.8	-0.7	-0.5	-0.6	-1.3	-1.9	-2.4	-2.7	-2.7	-2.6
IT	-0.2	0.3	-0.6	0.4	0.0	0.1	2.2	5.8	3.9	1.6	3.8	1.1
LU	-2.1	-0.4	0.1	-1.6	0.3	0.2	-3.0	-4.8	-2.9	-3.5	-1.2	-1.2
NL	-0.3	-0.5	-0.7	-0.8	-0.8	-0.8	-0.2	-0.8	-1.6	-2.4	-2.8	-3.0
AT	-1.1	-1.7	0.1	-0.6	-0.9	:	1.0	-4.6	-2.8	-2.4	-2.1	:
PT	-1.9	-1.1	-1.1	-1.0	-0.4	-1.3	0.0	-4.7	-3.9	-3.3	-3.6	-3.7
FI	2.4	-1.2	-1.3	0.3	-3.4	-0.8	0.4	-2.0	0.7	0.6	-4.1	-5.0
UK	-2.6	-1.3	-0.7	-2.0	0.3	-2.4	-4.1	-4.4	-5.0	-6.8	-3.6	-5.1

Table 6: Hours worked index for total industry (excluding construction), growth rates (%) (1)

No data available for Member States excluded from the table.

(1) ES, provisional, the time-series is not long enough for seasonal adjustment; NL, provisional; SE, confidential.

Wages and salaries index for total industry (excluding construction)

The wages and salary index increased both on the basis of a quarter on quarter comparison (EU and euro-zone both 0.3%) and on a year on year comparison (EU and euro-zone both 0.9%). Among the MIGs mainly positive rates of change were registered for the yearly comparison. Consumer durables showed a decline in the index of wages and salaries, -2.7% for the EU and -2.5% for the euro-zone.

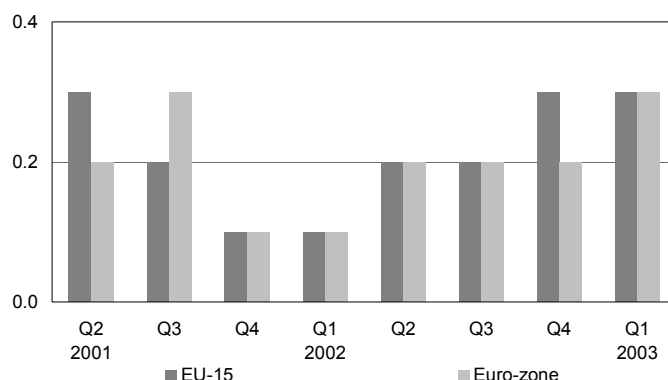


Figure 3: Wages and salaries index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

Among the Member States, the wages and salaries index fell in six of the nine countries for which data are available between the final quarter of 2002 and the first quarter of 2003. Declines ranged between -0.3% and -2.0%.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
Total industry (excluding construction)	EU-15	0.1	0.1	0.2	0.2	0.3	0.3	0.8	0.3	1.0	1.1	0.9	0.9
	Euro-zone	0.1	0.1	0.2	0.2	0.2	0.3	0.8	0.2	0.9	1.0	0.8	0.9
Energy	EU-15	0.3	0.3	0.5	-0.6	-0.9	0.3	-0.2	1.1	1.1	0.5	-0.6	-0.8
	Euro-zone	-0.1	1.4	-0.2	-0.7	-0.7	0.0	-0.3	1.0	1.2	0.5	-0.8	-1.0
Intermediate goods	EU-15	0.0	-0.1	0.3	0.1	0.0	0.2	0.1	-0.5	0.4	0.7	0.2	0.4
	Euro-zone	0.0	-0.1	0.2	0.1	-0.1	0.1	0.1	-0.5	0.3	0.7	0.1	0.3
Capital goods	EU-15	0.4	0.4	0.8	0.7	0.4	0.6	1.5	0.8	2.0	2.7	2.3	2.4
	Euro-zone	0.4	0.2	0.7	0.7	0.5	0.7	1.6	0.8	1.7	2.5	2.1	2.5
Consumer durables	EU-15	-0.2	-0.7	-0.4	-0.8	-0.8	:	-0.9	-0.2	-1.3	-1.5	-2.1	-2.7
	Euro-zone	-0.2	0.0	-0.6	-0.4	-0.7	-0.8	-0.7	0.3	-0.9	-1.1	-1.9	-2.5
Consumer non-durables	EU-15	-0.5	0.5	0.7	-0.2	0.5	-0.3	0.6	0.8	1.4	0.6	1.5	0.6
	Euro-zone	-0.1	0.5	0.3	0.1	0.3	0.0	0.5	0.8	1.4	0.7	1.5	0.4

Table 7: Wages and salaries index for the MIGs, growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
EU-15	0.1	0.1	0.2	0.2	0.3	0.3	0.8	0.3	1.0	1.1	0.9	0.9
Euro-zone	0.1	0.1	0.2	0.2	0.2	0.3	0.8	0.2	0.9	1.0	0.8	0.9
BE	-1.1	0.3	0.1	-0.2	6.0	-2.0	-1.8	-1.6	-0.6	-0.7	-1.0	-3.0
DK	0.1	0.6	-0.9	0.1	0.3	-0.6	3.0	0.8	2.0	-1.6	1.5	1.6
DE	-0.6	-0.3	-0.2	0.1	-0.1	1.6	0.6	-1.2	-0.8	-0.2	-0.9	1.5
ES	:	:	:	:	:	:	4.6	2.9	4.2	3.9	5.1	5.0
FR	-0.7	0.9	0.9	-1.2	0.0	-0.5	1.8	1.1	1.6	-0.2	0.5	-0.8
IT	0.9	2.1	1.4	1.1	-1.7	-2.0	-3.9	0.8	3.0	4.9	3.0	-1.1
LU	-0.8	0.3	0.1	-0.1	0.8	0.1	1.9	0.9	0.0	-0.6	1.4	0.7
NL	0.7	0.6	0.4	0.4	0.0	0.2	4.3	3.5	3.1	2.2	1.4	0.9
AT	0.6	1.6	-0.9	1.6	-3.1	:	1.2	1.7	0.3	3.9	-1.4	:
PT	-0.5	-0.1	0.0	-0.1	-0.1	-0.4	3.5	1.2	-0.2	-0.3	0.2	-1.0
FI	0.3	-1.1	1.8	0.0	0.4	-0.3	3.7	-0.9	0.5	1.2	1.1	1.5

Table 8: Wages and salaries index for total industry (excluding construction), growth rates (%) (1)

No data available for Member States excluded from the table.

(1) ES, provisional, the time-series is not long enough for seasonal adjustment; NL, provisional; SE, confidential.

EU-15 labour input indices for industrial Divisions of NACE

NACE Rev. 1 heading (code)	Employment						Hours worked						Wages and salaries					
	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03
Mining of coal and lignite 10	85.3	83.9	82.7	81.0	80.1	78.4	87.0	84.2	81.9	79.8	77.3	77.4	88.0	83.3	81.3	81.7	74.3	80.2
Gas and oil extraction 11	103.9	103.4	102.1	101.2	101.4	102.0	:	:	:	:	:	:	:	:	:	:	:	:
Uranium & thorium mining 12	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Mining of metal ores 13	:	:	:	:	:	:	96.3	106.4	105.3	101.6	100.9	93.3	100.8	116.3	114.9	114.2	115.4	102.1
Other non-metallic mining 14	98.9	99.7	100.0	100.0	99.1	:	98.0	97.7	97.6	97.2	96.5	95.7	101.2	101.1	101.5	101.9	102.3	:
Food and beverages 15	100.6	99.9	100.0	99.9	99.6	99.9	99.6	99.3	99.0	98.8	98.6	98.0	103.1	104.2	104.8	105.4	106.2	106.8
Tobacco 16	90.3	90.6	90.7	90.4	91.4	87.8	102.0	99.1	97.9	95.4	92.8	89.1	103.3	101.4	103.7	103.4	102.8	103.2
Textiles 17	95.9	94.9	93.7	92.7	90.8	89.5	97.1	97.0	97.4	95.9	95.6	94.1	96.7	97.9	98.2	97.5	97.0	95.9
Clothing 18	92.6	90.8	89.4	87.1	86.5	83.8	96.0	93.9	92.8	91.4	91.6	90.8	92.9	95.2	94.2	94.4	92.9	91.6
Leather products 19	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Wood products 20	98.6	97.8	96.5	95.5	94.5	93.3	96.5	94.7	94.2	93.3	92.4	91.9	98.6	97.7	97.0	96.2	95.9	95.6
Pulp & paper 21	96.7	96.5	96.2	96.3	96.6	95.8	99.8	99.5	99.1	98.7	98.4	98.0	103.4	103.5	104.0	103.8	104.2	104.8
Publishing & printing 22	99.7	99.1	98.3	98.0	96.8	96.2	100.0	99.1	98.5	98.0	97.5	97.1	102.7	102.6	102.5	101.4	101.7	101.3
Fuel products 23	102.1	101.8	102.4	102.0	99.6	97.8	99.5	102.2	103.1	102.4	102.7	99.8	109.7	110.0	109.7	107.3	106.4	103.4
Chemicals 24	99.3	99.5	100.0	99.5	99.1	99.3	99.4	99.5	99.7	99.8	99.8	99.7	102.6	102.8	103.5	104.0	104.9	105.6
Rubber & plastic 25	98.7	97.9	97.7	97.9	97.4	97.8	99.5	98.5	98.6	98.1	98.2	98.6	102.0	102.1	102.5	103.1	103.6	104.5
Non-metallic minerals 26	97.7	96.8	96.7	96.0	95.4	95.3	97.1	96.5	96.9	95.8	95.8	95.2	99.0	99.0	99.1	98.9	98.7	98.5
Basic metals 27	97.3	96.7	96.5	96.4	95.8	95.7	97.9	98.4	97.9	97.1	96.6	94.4	101.2	101.2	101.8	101.8	101.0	101.5
Metal products 28	98.9	98.5	98.3	97.9	97.4	97.1	100.6	100.1	100.2	99.4	99.1	98.3	103.0	103.3	103.9	104.2	104.4	104.6
Machinery 29	99.4	99.8	99.9	99.6	99.1	99.3	99.9	99.0	99.6	99.2	98.7	99.3	102.4	103.0	103.2	103.7	103.7	103.9
Office machinery 30	90.0	87.2	85.6	83.4	81.9	80.9	94.0	90.3	89.0	88.0	85.6	86.2	98.4	95.2	95.2	93.2	90.7	93.1
Electrical machinery 31	97.6	96.2	94.7	93.2	92.9	92.8	99.4	98.6	98.3	98.3	98.0	97.8	101.9	102.9	103.7	103.6	103.7	103.6
Radio/TV/communication 32	98.3	94.9	92.5	90.9	89.9	90.2	97.2	95.9	96.5	94.4	93.9	92.4	101.9	102.2	102.5	102.3	103.2	102.9
Medical and optical 33	101.7	101.8	101.8	102.1	102.3	102.5	102.6	100.3	100.8	99.1	99.4	100.2	105.9	105.2	105.6	105.9	105.4	105.8
Motor vehicles 34	99.7	99.5	99.2	99.3	99.2	98.5	99.5	99.3	98.9	99.4	100.0	99.7	103.6	105.8	106.7	107.3	107.9	110.1
Other transport 35	101.1	100.8	99.7	98.8	98.3	98.4	100.9	100.8	101.6	101.1	101.0	101.1	104.1	104.8	106.3	107.3	108.0	109.0
Furniture & other manf. 36	96.7	95.9	95.6	95.7	95.9	96.8	99.8	98.2	98.1	97.5	96.4	95.6	100.5	100.0	99.5	99.0	98.2	97.4
Recycling 37	106.7	106.4	105.8	105.9	106.2	105.1	106.7	106.7	107.0	105.5	105.2	105.2	112.4	114.3	116.0	116.8	119.1	120.9
Energy/hot water supply 40	96.3	95.5	95.0	95.0	94.4	:	88.5	75.7	68.8	61.3	60.2	:	101.4	106.3	104.7	103.6	103.4	:
Water 41	99.6	100.8	100.2	100.2	101.2	101.4	91.2	81.6	75.0	68.1	62.5	:	103.3	107.5	106.6	107.3	106.7	:
Construction 45	100.8	100.7	99.6	99.3	99.1	99.7	97.5	96.7	95.9	94.7	94.1	94.1	103.2	103.7	104.0	104.2	104.3	104.4

Table 9: Indices for the EU, seasonally adjusted, 2000 = 100 (1)

(1) Missing indicators are not calculated due to a lack of information from the Member States.

➤ ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

Labour Input Indices shown in this publication represent in general the evolution of the labour market in the economy. Business statistics aim at providing information for the analysis of the economic cycle.

The Short Term Business Statistics section of Eurostat (D3/EBT) compiles in particular the following three labour input indicators:

The index of the **number of persons employed** monitors the development of employment in industry and services in terms of total numbers. This indicator may be approximated by the number of employees.

The index of **hours worked** shows the development in the total volume of work done.

Lastly, it is the objective of the index of **wages and salaries** to show the evolution of the total amount of wages and salaries paid.

The **legal basis** for these labour input indicators is the Council Regulation No 1165/98 of 19th of May 1998 concerning short-term statistics, which is currently in the process of implementation.

Employment index

The number of persons employed is defined as the total number of persons working in an observation unit (inclusive of working proprietors, partners working regularly in the unit and unpaid family workers), as well as persons who work outside the unit who belong to it and are paid by it (e.g. sales representatives, delivery personnel, repair and maintenance teams). It includes persons absent for a short period (e.g. sick leave, paid leave or special leave), and also those on strike, but not those absent for an indefinite period. It also includes part-time workers who are regarded as such under the laws of the country concerned and who are on the payroll, as well as seasonal workers, apprentices and home workers on the payroll. The number of persons employed excludes manpower supplied to the unit by other enterprises, persons carrying out repair and maintenance work in the observation unit on behalf of other enterprises, as well as those on compulsory military service.

Hours worked index

The total number of hours worked by employees represents the aggregate number of hours actually worked for the observation unit during the reference period. This variable excludes hours paid but not actually worked such as for annual leave, holidays and sickness leave. It also excludes meal breaks and commuting between home and work. Included are hours actually worked during normal working hours; hours worked in addition to those; time which is spent at the place of work on tasks such as preparing the site and time corresponding to short periods of rest at the work place. If the exact number of hours actually worked is not known, it may be estimated on the basis of the theoretical number of working hours and the average rate of absences (sickness, maternity, etc.).

Wages and salaries index

Wages and salaries include all gratuities, bonuses, ex gratia payments, 13th month payments, severance payments, lodging, transport, cost-of-living, and family allowances, tips, commission, attendance fees, etc. received by employees, as well as taxes, social security contributions and other amounts payable by employees and withheld at source by the employer. Payments for agency workers are not included in wages and salaries.

The seasonally adjusted euro-zone and EU-15 series are calculated by aggregating the gross series supplied by each Member States and then performing an adjustment for seasonal effects on the resulting series. Therefore, the seasonally adjusted figures for total industry (excluding construction) are based directly on the gross series for European aggregates and not on an aggregation of the seasonally adjusted indices for individual Member States. Figures may therefore differ from those for the aggregation of the MIGs mainly for the following reasons:

a) the minimum threshold required for euro-zone and EU-15 totals to be calculated is 60%. Hence, depending on the countries that provide data, there may be different countries used from one aggregate to another and one series to another;

b) there may be a lack of coherence in Member States data between the MIGs and total industry that affects the overall coherence of the euro-zone and EU-15 data;

c) the euro-zone and EU-15 indices correspond exactly to the aggregation of the countries' respective indices; however, the data published are growth rates of these indices and as such this may create small discrepancies;

d) discrepancies may also be introduced by conversions done to create monthly and quarterly data in all presentations.

RELATED INDICES

This publication on labour input variables supplements the Eurostat publications on labour costs. In addition, the National Accounts contain information on the labour input variables.

The **labour cost index** aims at providing information on the evolution of labour costs and thus has a different focus compared to the labour input variables of business statistics. For many Member States the actual source for the labour cost index is, at least partly, business statistics. Some Member States base this index on data from National Accounts, administrative employer files or a separate earnings survey. A mixture of different sources may be used.

The **National Accounts** provide information on labour input variables in physical as well as in value forms. These variables complement other National Accounts aggregates and therefore need to be fully consistent with them. Business statistics are used by many Member States for short-term analysis in the context of quarterly National Accounts, in addition to information from Labour Force Surveys. When revising these estimates later, more administrative data is taken into account.

Please note that the different sources may show some variations due to different practices of revisions, seasonal adjustment, characteristics of data sources, and aggregation methods.

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