

Statistics in focus

INDUSTRY, TRADE AND SERVICES

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Contents

Employment index for industry (excluding construction)	1
Employment index for services	3
Hours worked index for total industry (excluding construction)	4
Wages and salaries index for total industry (excluding construction)	5
EU-15 labour input indices for industrial Divisions of NACE	6



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Developments for labour input indicators during the final quarter of 2003

Industrial employment declines by 0.5 % in the euro-zone

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Data for the final quarter of 2003 shows that the number of persons employed and the number of hours worked in the industrial economies of both the EU-15 and the euro-zone continued to contract. These latest rates of change marked the thirteenth and twelfth consecutive quarter on quarter reductions in the number of persons employed and the number of hours worked in the EU-15.

Wages and salaries grew by 0.2 % in both the EU-15 and the euro-zone between the third and fourth quarters of 2003, the third consecutive quarter that growth of either 0.2 % or 0.3 % was recorded for both of these aggregates.

	Quarter on quarter growth rates, seasonally adjusted data				Year on year growth rates, gross data			
	EU-15		Euro-zone		EU-15		Euro-zone	
Employment	Q4-03	-0.7	Q4-03	-0.5	Q4-03	-1.7	Q4-03	-1.6
Hours worked	Q4-03	-0.3	Q4-03	-0.2	Q4-03	-1.3	Q4-03	-1.0
Wages & salaries	Q4-03	0.2	Q4-03	0.2	Q4-03	1.0	Q4-03	1.0

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

Employment index for industry (excluding construction)

On the basis of a comparison with the quarter before, industrial employment in the EU fell by 0.7 % in the final quarter of 2003. The corresponding rate of change in the euro-zone was -0.5 %. As such, for the third consecutive quarter the number of persons employed in industry fell by between -0.5 % and -0.7 %.

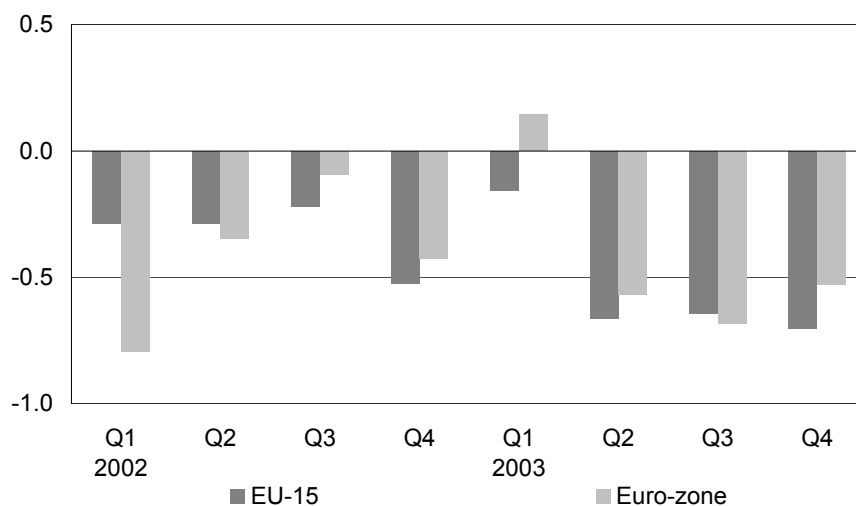


Figure 1: Employment index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

Data extracted on: 15.04.2004

These fairly rapid reductions in the numbers of persons employed during the last three quarters of 2003 resulted in there being 1.7 % fewer persons employed in the EU's industrial economy in the final quarter of 2003 compared to the same quarter of a year before. The corresponding rate for the euro-zone was -1.6 %.

On the basis of a comparison with the previous quarter the largest contractions in the number of persons employed were registered for energy in the EU, and intermediate goods and consumer non-durables in both the EU and the euro-zone, where employment declined by at least 0.4 % between the third and fourth quarters of 2003. Within the other main industrial groupings (MIGs), the number of persons employed decreased by either 0.2 % or 0.3 %.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
Total industry (excluding construction)	EU-15	-0.2	-0.5	-0.2	-0.7	-0.6	-0.7	-1.9	-2.1	-1.2	-1.3	-1.8	-1.7
	Euro-zone	-0.1	-0.4	0.1	-0.6	-0.7	-0.5	-1.6	-1.7	-0.7	-0.9	-1.5	-1.6
Energy	EU-15	-0.3	-0.6	-0.1	-0.4	0.0	-0.4	-2.0	-1.9	-1.1	-1.4	-1.1	-0.9
	Euro-zone	-0.3	-0.4	0.1	-0.6	0.0	-0.2	-2.3	-2.0	-0.8	-1.2	-0.8	-0.6
Intermediate goods	EU-15	-0.1	-0.4	-0.3	-0.7	-0.8	-0.4	-2.1	-1.8	-1.1	-1.4	-2.2	-2.2
	Euro-zone	0.0	-0.2	-0.1	-0.7	-0.9	-0.4	-1.7	-1.4	-0.6	-1.0	-1.9	-2.1
Capital goods	EU-15	-0.1	-0.5	-0.1	-0.2	-0.7	-0.3	-1.8	-2.1	-1.3	-0.9	-1.6	-1.4
	Euro-zone	0.0	-0.2	0.0	-0.3	-0.7	-0.2	-1.3	-1.5	-0.7	-0.5	-1.2	-1.2
Consumer durables	EU-15	-0.6	-1.2	0.1	-1.1	-1.2	-0.2	-3.8	-4.1	-2.7	-2.7	-3.4	-2.5
	Euro-zone	-0.4	-0.9	0.2	-0.9	-1.2	-0.3	-3.4	-3.7	-2.1	-1.9	-2.7	-2.2
Consumer non-durables	EU-15	-0.2	-0.4	-0.2	-0.5	-0.5	-0.5	-1.0	-1.5	-0.8	-1.1	-1.6	-1.9
	Euro-zone	-0.1	-0.3	-0.2	-0.5	-0.6	-0.6	-0.6	-1.1	-0.3	-1.0	-1.6	-2.2

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

Among the Member States for which data are available, the index of industrial employment fell in every country except Denmark, where there was no change in the number of persons employed. The largest reductions were recorded in Belgium, Spain, the Netherlands and Finland, where the number of persons employed in industry fell by upwards of 1.0 % between the third and fourth quarters of 2003. Denmark, Spain and Italy were the only Member States to record growth in the number of persons employed during any quarter of 2003 (on the basis of a quarter on quarter growth rate). On the basis of a comparison with the same quarter of a year before, the industrial workforce was reduced by 3 % or more in Belgium, Spain, the Netherlands, Portugal and Finland between the final quarters of 2002 and 2003.

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.2	-0.5	-0.2	-0.7	-0.6	-0.7	-1.9	-2.1	-1.2	-1.3	-1.8	-1.7
Euro-zone	-0.1	-0.4	0.1	-0.6	-0.7	-0.5	-1.6	-1.7	-0.7	-0.9	-1.5	-1.6
BE	-0.9	-0.9	-1.1	-1.1	-1.1	-1.2	-3.9	-3.2	-3.8	-3.7	-4.2	-4.5
DK	2.3	-7.1	1.8	-0.5	0.7	0.0	-0.9	-9.6	-7.6	-3.9	-6.1	4.4
DE	-0.6	-0.4	0.0	-0.3	-0.2	-0.3	-3.1	-3.1	-1.2	-1.0	-1.0	-1.0
EL	:	:	:	:	:	:	:	:	:	:	:	:
ES	0.4	-0.2	0.3	-1.4	-0.6	-1.3	0.6	0.6	1.9	-0.9	-1.8	-3.0
FR	-0.5	-0.5	-0.5	-0.6	-0.7	-0.7	-2.1	-2.2	-2.0	-2.0	-2.2	-2.3
IE	:	:	:	:	:	:	:	:	:	:	:	:
IT	1.5	0.1	0.5	-0.2	-0.7	:	1.1	1.2	2.0	1.9	-0.4	:
LU	-0.7	-0.3	-0.1	-0.5	-0.2	-0.4	-1.8	-1.7	-1.7	-1.6	-1.3	-1.2
NL	-0.8	-0.6	-0.8	-0.8	-0.8	-1.0	-2.4	-3.0	-2.7	-2.8	-2.9	-3.2
AT	-0.8	-0.3	0.0	-0.1	0.0	-0.1	-2.5	-2.3	-1.6	-1.2	-0.4	-0.1
PT	-1.2	-1.1	-0.8	-1.1	-1.0	-0.6	-4.3	-4.6	-4.4	-4.2	-4.0	-3.4
FI	0.0	-2.6	0.0	-1.4	-1.3	-1.3	-1.0	-4.6	-5.2	-4.0	-5.0	-3.5
SE	:	:	:	:	:	:	:	:	:	:	:	:
UK	-1.0	-0.8	-0.7	-0.9	-0.8	-0.6	-4.3	-3.8	-3.5	-3.4	-3.1	-2.8

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					
		Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
Retail trade	EU-15	0.2	0.5	0.2	0.6	0.4	0.5	1.9	1.5	1.4	1.6	1.8	1.8
Division 52	Euro-zone	0.5	0.4	0.8	0.7	0.5	0.4	2.3	1.8	2.1	2.5	2.4	2.4
	DK	-0.3	1.9	-0.6	3.3	-1.8	-2.4	0.4	4.9	0.3	4.4	2.8	-1.5
	DE (1)	-0.6	-0.7	-0.3	-0.5	-0.5	-0.1	-1.5	-2.4	-2.9	-2.5	-2.1	-1.3
	ES (1)	0.8	1.1	0.6	0.8	1.3	0.5	3.5	3.0	3.2	3.4	3.8	2.9
	FR	0.5	0.4	0.6	0.7	0.4	0.6	1.9	1.4	1.7	2.7	2.1	2.4
	IE (1)	1.3	1.3	1.2	1.4	1.0	:	2.2	4.0	4.7	5.9	4.3	:
	IT	2.7	2.2	2.7	2.2	2.2	:	8.0	8.7	10.4	10.2	9.3	:
	LU (1)	-0.1	0.4	-0.2	0.2	0.4	1.0	0.2	-1.5	-0.6	0.4	0.8	1.3
	NL	0.1	0.1	-0.1	-0.1	-0.1	-0.6	1.4	0.8	0.4	-0.1	-0.3	-0.7
	AT (1)	-0.2	0.3	0.6	0.1	0.0	0.2	-0.4	0.3	1.4	1.0	1.1	1.0
	PT (1)	0.6	0.4	-0.3	0.1	0.2	-0.4	1.2	1.3	0.8	0.7	0.4	-0.4
	FI (1)	-0.2	-1.9	0.7	0.9	1.8	-4.7	3.4	-2.9	-1.3	-0.6	1.5	-1.4
	SE (1) (2)	:	:	:	:	:	:	-6.4	-3.0	-2.3	6.8	7.5	2.0
	UK	-0.4	1.3	-1.0	0.2	-0.3	0.8	0.7	0.6	-0.7	-1.1	-0.2	0.3
Distribution (including retail trade)	EU-15	0.2	0.4	0.1	0.2	0.1	0.2	0.7	0.8	0.6	0.9	0.9	0.7
Section G	Euro-zone	0.4	0.3	0.4	0.2	0.2	0.2	1.1	1.0	1.3	1.4	1.2	1.1
	DK	0.5	2.2	-1.2	2.7	-0.8	-2.3	0.0	5.0	0.3	4.5	2.9	-1.5
	DE	-0.7	-0.7	-0.7	-0.7	-0.5	-0.3	-2.4	-2.9	-2.8	-2.6	-2.2	-1.7
	FR	0.4	0.3	0.3	0.4	0.2	0.3	1.4	1.1	1.1	1.5	1.2	1.2
	IE	0.2	1.7	-0.1	0.0	-0.7	:	1.6	2.0	1.2	1.9	0.9	:
	IT	2.5	2.0	2.1	1.9	1.7	:	6.4	7.5	8.8	8.8	7.7	:
	LU	0.2	0.3	0.5	0.0	0.5	0.9	1.8	1.1	1.1	0.9	1.3	1.8
	AT	-0.6	0.1	-0.6	0.1	-0.5	-0.1	-0.4	-0.1	-0.9	-1.0	-0.7	-1.0
	PT	-0.2	-0.5	-1.1	-0.9	-1.0	-0.9	-0.2	-0.7	-1.6	-2.7	-3.5	-3.8
	FI	0.7	0.3	1.6	-1.3	3.6	-3.1	4.6	0.8	1.6	1.2	4.2	0.7
	SE (2)	:	:	:	:	:	:	-5.3	-2.7	-2.1	3.5	4.0	2.8
	UK	-0.4	0.7	-0.7	0.1	-0.3	0.4	0.2	0.3	-1.0	-1.2	-0.6	-0.4
Hotels & restaurants	EU-15	0.9	0.6	0.9	0.5	0.5	0.5	3.0	3.1	3.6	3.7	2.2	1.6
Section H	Euro-zone	0.5	0.7	1.0	0.9	0.6	:	1.8	2.1	2.8	3.2	3.0	:
	DK	0.7	2.4	-2.1	2.9	-0.4	-1.6	0.2	4.7	0.3	4.3	2.8	-1.5
	DE	-1.6	-1.7	-1.0	0.0	0.0	0.1	-4.0	-5.3	-5.3	-4.1	-2.6	-0.8
	FR	0.7	0.6	0.6	0.6	0.6	0.6	2.8	2.5	2.2	2.6	2.4	2.4
	IE	1.9	3.1	0.6	4.0	-0.9	:	0.2	3.0	1.7	10.1	6.7	:
	IT	3.5	3.7	3.2	3.0	2.8	:	8.4	13.6	16.2	14.1	11.5	:
	LU	1.3	1.4	0.3	0.8	1.0	1.1	4.9	6.7	3.2	3.7	4.2	4.1
	AT	1.0	-1.6	-0.8	-0.5	-1.5	1.2	1.8	0.5	-0.2	0.2	-10.8	0.3
	PT	-0.7	-0.3	0.6	-1.2	-1.0	-0.4	-0.6	-1.1	0.3	-1.5	-1.8	-1.9
	FI	1.1	-7.0	2.2	-3.6	-3.8	-1.3	1.8	-6.0	-2.8	-7.3	-12.0	-6.8
	UK	1.8	0.7	0.7	0.3	0.7	0.9	5.7	5.0	5.2	4.7	0.4	0.9
Transport & communica- tion	EU-15	0.1	0.0	0.3	-0.4	-0.2	:	-0.3	-0.4	0.5	-0.1	-0.3	:
Section I	DK	-0.9	5.6	-1.2	-0.1	3.2	-3.7	-4.1	3.2	3.6	2.9	8.6	-2.5
	FR	0.3	0.0	0.1	-0.4	-0.2	-0.2	1.5	1.0	0.6	-0.1	-0.5	-1.1
	IE	1.6	-0.2	-0.7	0.3	-2.0	:	0.9	0.7	1.7	1.0	-2.7	:
	IT	0.9	0.3	1.6	-0.6	-0.1	:	-0.2	0.4	2.7	2.2	1.2	:
	AT (2)	:	:	:	:	:	:	-3.3	-2.0	-0.1	0.4	0.0	0.3
	PT	-0.3	-1.5	-0.8	-0.3	-1.3	-0.3	-1.8	-3.9	-3.4	-2.8	-3.7	-2.6
	FI	1.5	-2.3	2.1	-2.7	5.5	0.2	-0.8	-2.7	1.2	-1.5	3.3	5.8
	SE (2)	:	:	:	:	:	:	-1.6	0.7	0.9	0.2	-0.2	-1.4
	UK	-0.6	-0.7	0.1	-0.2	-0.4	-0.4	-0.8	-1.9	-0.6	-1.3	-1.5	-1.3
Business services	DK	0.3	-0.1	0.5	-2.7	0.9	-0.2	0.6	-3.5	1.5	-6.6	-3.2	-1.9
Divisions 72 and 74	FR	-0.8	0.5	-1.7	-0.1	-0.4	0.8	0.4	1.0	-0.6	-1.2	-0.9	-0.6
	IE	-2.5	-1.8	1.7	-1.3	-0.9	:	-0.2	-5.1	-1.2	-3.9	-2.4	:
	IT	3.6	1.6	1.8	2.0	3.2	:	8.1	7.8	7.5	8.1	8.1	:
	AT (2)	:	:	:	:	:	:	2.5	2.3	3.1	3.3	2.3	3.6
	PT (2)	:	:	:	:	:	:	3.0	-0.3	-1.4	-3.5	-1.9	0.3
	FI	-1.4	3.0	3.2	-2.8	0.7	1.3	2.6	3.0	7.3	1.8	0.9	-1.0
	SE (2)	:	:	:	:	:	:	-7.6	-3.9	-4.1	-5.1	-4.2	-6.3
	UK	0.2	-0.9	0.4	-0.4	-1.1	-0.7	-0.6	-1.1	-1.2	-0.4	-0.5	0.0

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

No data available for Member States excluded from the table. (1) Excluding Group 52.7. (2) The time-series is not long enough for seasonal adjustment.

Hours worked index for total industry (excluding construction)

After declining by 0.9 % in the third quarter of 2002, the number of hours worked in the EU's industrial economy fell at a less rapid pace in the four following quarters, such that the number of hours worked in the third quarter of 2003 was 0.1 % lower than the quarter before. This pattern was reversed in the final quarter of 2003, as the number of hours worked in the EU fell by 0.3 %. Overall, between the final quarters of 2002 and 2003 the number of hours worked in industrial activities in the EU fell by 1.3 %.

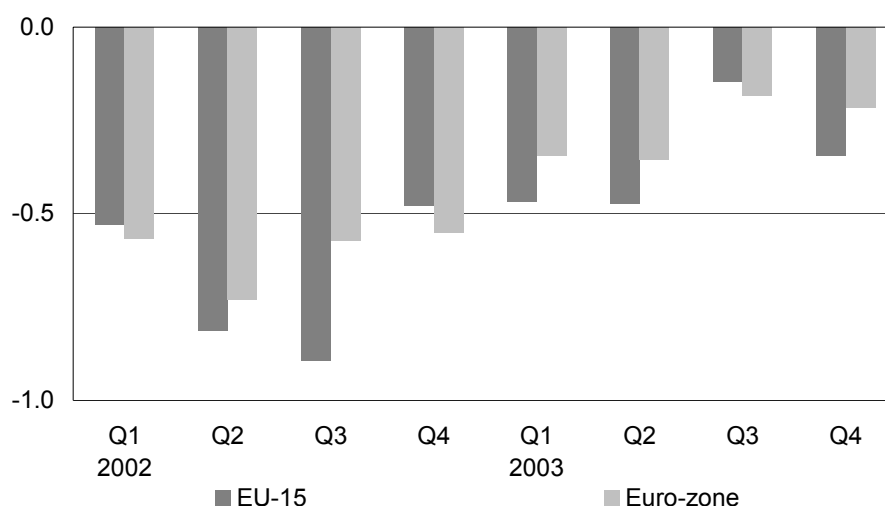


Figure 2: Hours worked index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, gross data					
		Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
Total industry (excluding construction)	EU-15	-0.9	-0.5	-0.5	-0.5	-0.1	-0.3	-2.7	-2.7	-2.0	-3.0	-1.5	-1.3
	Euro-zone	-0.6	-0.5	-0.3	-0.4	-0.2	-0.2	-2.1	-2.4	-1.4	-2.7	-1.4	-1.0
Energy	EU-15	-2.1	0.4	0.0	0.4	0.0	-0.4	-4.0	-3.9	-2.5	-1.4	0.7	0.0
	Euro-zone	-1.3	-0.1	0.7	0.3	-0.4	-0.1	-5.2	-5.0	-1.5	-0.8	0.5	0.5
Intermediate goods	EU-15	-1.0	-0.1	-0.7	-0.3	-0.2	0.1	-2.2	-1.5	-1.7	-2.5	-1.4	-1.0
	Euro-zone	-0.4	-0.3	-0.5	-0.2	-0.2	0.0	-1.4	-1.1	-1.2	-2.3	-1.3	-0.7
Capital goods	EU-15	-0.5	-0.2	-0.3	-0.2	0.3	0.3	-1.9	-1.6	-0.7	-2.1	-0.3	0.3
	Euro-zone	-0.2	-0.1	0.1	0.1	0.4	0.5	-1.3	-1.0	0.4	-1.3	0.5	1.2
Consumer durables	EU-15	-1.5	-1.1	-0.5	-1.1	-1.0	0.0	-4.5	-5.5	-3.0	-4.9	-3.8	-2.5
	Euro-zone	-0.9	-1.2	-0.4	-0.7	-0.6	-0.5	-3.3	-4.6	-2.5	-3.9	-3.0	-2.0
Consumer non-durables	EU-15	-1.6	0.7	-0.5	-0.8	0.0	-0.4	-2.2	-1.1	-1.3	-2.5	-0.6	-1.6
	Euro-zone	-0.8	0.3	-0.5	-0.5	-0.1	-0.4	-1.4	-0.8	-0.8	-2.3	-0.8	-1.6

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					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.9	-0.5	-0.5	-0.5	-0.1	-0.3	-2.7	-2.7	-2.0	-3.0	-1.5	-1.3
Euro-zone	-0.6	-0.5	-0.3	-0.4	-0.2	-0.2	-2.1	-2.4	-1.4	-2.7	-1.4	-1.0
BE	-0.1	-1.7	-1.6	-0.3	0.3	-1.6	-2.6	-2.9	-3.9	-4.1	-2.4	-4.0
DE	-0.3	-1.1	0.3	-0.5	0.0	-0.4	-3.3	-4.0	-0.9	-3.0	-1.2	-0.7
DK	-3.1	-2.9	-0.5	0.1	-2.1	0.3	-0.4	-8.8	-6.1	-6.8	-8.4	3.9
ES	:	:	:	:	:	:	-1.1	0.6	1.9	-4.2	0.0	-0.3
FR	-0.8	-0.7	-0.7	-0.6	-0.6	-0.5	-2.8	-2.9	-2.9	-2.7	-2.4	-2.3
IT	0.1	-0.3	-0.1	0.3	0.3	0.4	1.6	3.8	1.1	2.6	4.3	3.7
LU	-1.7	0.3	0.1	-0.3	0.4	-0.1	-3.5	-1.2	-1.6	-1.6	0.9	-0.1
NL	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-2.4	-2.8	-2.8	-3.0	-3.1	-3.3
AT	-0.6	-1.0	0.5	-0.3	0.7	-0.2	-1.9	-1.7	-2.3	-1.5	0.8	0.7
PT	-1.0	-0.6	-1.4	-3.1	:	:	-3.3	-3.6	-3.7	-6.0	:	:
FI	0.8	-4.0	-1.2	-1.1	-2.0	0.2	0.6	-4.1	-5.0	-7.4	-6.9	-3.2
UK	-2.6	1.0	-1.9	-0.5	-0.1	-0.8	-6.8	-3.6	-5.1	-4.3	-0.9	-3.5

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 pace at which wages and salaries grew in the EU's industrial sector in the final quarter of 2003 was at its lowest point for the whole of the year. Wages and salaries rose by 0.2 % (compared to the quarter before) in both the EU and the euro-zone.

As Belgium and the Netherlands recorded considerable reductions in industrial employment and their respective number of hours worked in industry, it was unsurprising to find that industrial wages and salaries fell in both of these countries in the final quarter of 2003, with reductions of 1.0 % and 1.6 % registered in comparison to the previous quarter.

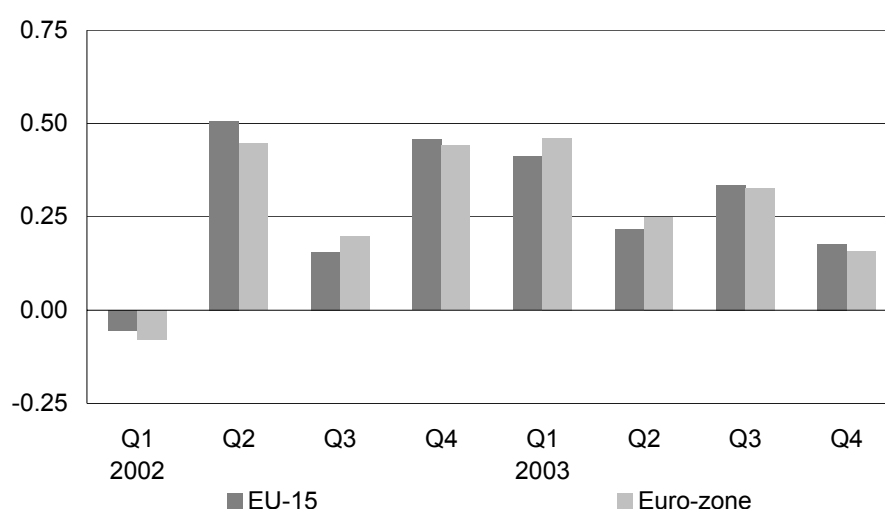


Figure 3: Wages and salaries index for total industry (excluding construction), growth rates, quarter compared to previous quarter, seasonally adjusted (%)

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

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					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	0.2	0.5	0.4	0.2	0.3	0.2	0.7	1.0	1.6	1.3	1.5	1.0
Euro-zone	0.2	0.4	0.5	0.2	0.3	0.2	0.6	0.9	1.7	1.4	1.5	1.0
BE	-0.8	6.8	-1.8	-0.7	0.5	-1.0	-0.7	-1.0	-3.1	-6.4	-1.7	-2.7
DK	0.5	0.4	-0.8	0.9	-0.2	0.1	-1.4	1.6	0.4	-1.2	0.1	-0.3
DE	0.1	-0.2	1.3	-0.3	-0.2	-0.1	-0.2	-0.9	1.5	1.0	0.6	0.5
ES	:	:	:	:	:	:	3.9	5.1	5.0	4.7	4.3	2.8
FR	-0.9	0.3	0.8	0.2	-0.4	0.0	0.1	0.8	0.8	0.4	0.9	0.3
IT	0.5	0.4	0.8	0.7	0.7	0.5	2.0	2.6	1.3	2.3	3.4	3.4
LU	-0.6	0.7	0.0	-0.5	1.2	0.3	-0.6	1.4	0.6	-0.6	1.7	1.6
NL	0.4	0.6	0.1	-0.4	-0.5	-1.6	2.1	1.6	1.1	0.8	0.3	-1.0
AT	-0.4	-0.7	1.4	0.2	-0.3	1.1	0.6	-0.7	1.2	0.6	0.2	2.1
PT	-0.1	-0.2	-0.3	0.4	:	:	-0.3	0.2	-1.0	-0.2	:	:
FI	-0.2	0.4	0.0	1.0	0.7	0.2	1.2	1.1	1.3	1.2	2.2	2.2

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					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
Mining of coal and lignite 10	81.9	80.4	78.5	76.5	75.1	73.4	79.3	76.8	77.2	76.0	75.7	75.3	81.6	74.4	79.5	77.9	74.5	71.4
Gas and oil extraction 11	93.8	92.0	91.8	92.0	91.6	91.1	:	:	:	:	:	:	:	:	:	:	:	:
Uranium & thorium mining 12	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Mining of metal ores 13	85.0	84.7	87.2	84.5	81.8	79.1	102.1	98.0	90.2	87.6	84.6	85.7	114.4	114.1	102.2	102.8	102.2	104.3
Other non-metallic mining 14	99.1	98.8	99.0	97.4	96.5	95.6	96.7	95.4	94.5	93.3	92.6	92.0	102.6	103.4	103.5	103.5	103.5	103.2
Food and beverages 15	99.2	99.1	99.5	99.3	99.0	98.7	98.5	98.4	97.9	97.6	97.3	96.7	106.0	106.7	107.5	108.2	108.6	109.0
Tobacco 16	80.3	81.5	77.1	74.6	78.4	77.7	94.8	92.0	88.7	86.5	84.9	83.4	103.8	103.3	103.5	103.3	102.7	101.6
Textiles 17	92.2	90.3	88.4	86.7	84.9	83.3	96.1	95.1	94.1	92.9	92.5	93.4	99.3	99.7	99.1	98.4	98.2	97.2
Clothing 18	89.2	88.9	88.0	87.0	84.4	82.4	90.9	91.1	90.8	87.9	88.9	88.0	97.4	96.6	96.0	95.4	95.0	94.9
Leather products 19	98.0	97.2	96.8	95.4	95.3	:	:	:	:	:	:	:	103.5	102.9	104.6	102.5	103.9	102.4
Wood products 20	97.8	97.6	97.0	96.5	95.5	94.4	92.9	91.9	91.3	90.5	89.9	89.4	97.6	97.8	98.0	98.1	97.9	98.0
Pulp & paper 21	97.3	97.5	96.6	95.5	95.3	95.0	98.4	98.1	97.8	97.7	97.6	97.7	104.0	104.8	105.6	105.7	106.0	106.0
Publishing & printing 22	98.0	96.5	96.4	95.7	95.8	95.3	97.9	96.9	96.7	96.5	96.0	96.0	101.5	101.7	101.3	101.2	100.7	100.1
Fuel products 23	99.9	98.4	97.3	97.1	95.7	96.1	102.2	102.1	99.1	99.1	97.4	98.2	107.6	107.2	106.1	104.8	103.6	103.5
Chemicals 24	100.3	99.8	100.1	100.1	100.1	99.9	99.8	99.9	100.1	100.0	100.3	100.1	104.7	106.1	107.1	107.6	108.4	108.8
Rubber & plastic 25	99.5	99.0	98.9	99.0	98.6	99.0	98.2	98.1	98.5	98.0	97.8	97.7	104.1	104.6	105.8	106.4	106.7	107.6
Non-metallic minerals 26	97.8	97.0	96.7	96.1	95.5	95.3	95.7	95.5	95.0	94.5	94.2	94.2	100.2	100.2	100.6	100.8	100.9	101.2
Basic metals 27	97.4	96.6	96.6	96.0	95.4	94.6	97.0	96.4	95.2	94.6	94.0	93.4	103.0	102.0	102.7	103.0	103.1	102.0
Metal products 28	99.3	99.0	99.0	98.5	97.9	97.2	99.1	98.9	98.4	98.4	98.4	98.6	105.2	105.9	106.3	106.6	107.1	107.0
Machinery 29	99.7	99.3	99.5	98.8	98.1	97.8	98.8	98.1	99.0	98.6	99.5	99.8	105.2	105.4	105.9	106.3	106.1	106.2
Office machinery 30	83.2	81.4	79.8	79.3	78.3	76.9	84.5	81.1	81.1	80.6	80.3	81.7	88.0	85.9	89.1	89.1	89.8	88.2
Electrical machinery 31	95.9	95.4	95.0	94.1	92.5	91.5	99.1	98.4	97.8	97.7	97.6	98.2	105.2	105.2	105.2	104.9	105.2	104.4
Radio/TV/communication 32	92.5	90.5	89.6	88.8	86.6	86.5	93.8	92.6	92.0	90.5	90.4	90.9	103.1	104.1	103.3	101.9	101.7	100.5
Medical and optical 33	101.5	101.5	101.5	101.4	101.3	101.2	99.9	100.2	101.2	99.5	100.5	101.0	107.2	106.3	108.4	108.5	108.3	108.7
Motor vehicles 34	101.1	100.7	100.4	100.5	100.4	99.8	99.7	99.9	99.7	99.7	100.1	100.7	108.0	108.5	110.8	111.4	111.4	112.4
Other transport 35	97.6	97.2	96.7	95.8	95.3	94.7	99.7	99.7	100.0	99.3	99.9	99.1	108.0	109.2	109.9	110.3	111.5	111.7
Furniture & other manf. 36	96.8	96.6	97.0	97.3	96.6	96.2	96.7	95.7	95.2	94.4	93.6	92.9	100.8	100.2	100.2	99.6	99.5	99.3
Recycling 37	112.0	112.1	112.1	111.8	110.9	111.5	105.4	105.7	106.4	106.5	105.2	103.5	115.3	118.2	120.4	113.8	122.1	122.5
Energy/hot water supply 40	96.2	95.5	94.9	94.5	94.3	92.0	63.0	74.8	132.3	:	:	:	103.4	103.5	104.3	:	:	:
Water 41	101.8	103.4	104.2	105.9	105.9	103.7	69.2	79.6	136.4	:	:	:	107.7	108.7	109.8	:	:	:
Construction 45	100.0	99.7	100.0	100.4	100.0	100.1	95.1	94.9	95.9	95.7	96.3	96.4	102.9	103.0	103.1	103.3	103.6	103.9

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 **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.

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.

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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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.