

AGRICULTURE AND FISHERIES

27/2005

**Agriculture** 

Author

Dolores LINARES

### Contents

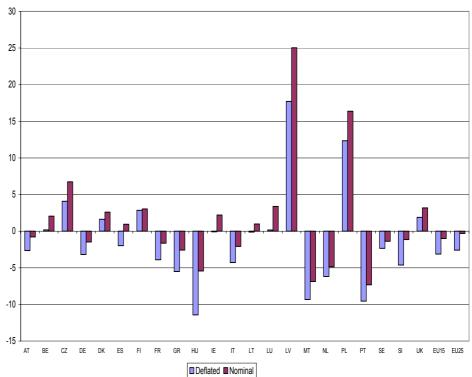
		decreased	
		eased by 1.6	
Terms o	f Trade	down by 4.29	%



Manuscript completed on: 19.05.2005 Data extracted on: 4.05.2005 ISSN 1562-1340 Catalogue number: KS-NN-05-027-EN-N © European Communities, 2005

# EU Agricultural Prices in 2004<sup>1</sup>

Annual change in the output price index 2004 compared with 2003 (in %)



The Agricultural Price Index figures for 2004 indicate that output prices for the European Union (EU-25) went down by 0.2% in nominal terms compared to 2003. When adjusted for inflation this becomes a 2.5% decrease. After a slight recuperation of real output prices in 2003 (1.0%), these have returned to a negative rate of change. The decrease is particularly due to a sharp drop in the real prices of *crop products* (-5.2%), mainly as result of the extraordinary harvest of 2004.

The real price index for the *Means of Agricultural Production*, i.e. the input price index shows an increase of 1.6% for EU-25, breaking the decrease observed in the previous two years.

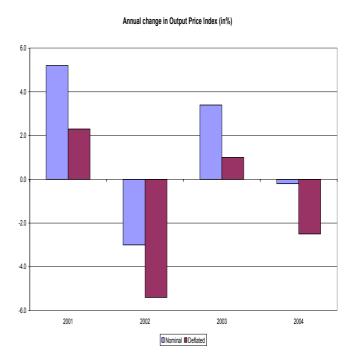
Among the 22 Member States, (see graph) for which information is available, 14 had a decrease in their real output price index overall, especially Hungary (-11.4%), Portugal (-9.5%) and Malta (-9.3%). Falls of more than 4% were recorded in the Netherlands (-6.2%), Greece (-5.5%), Slovenia (-4.6%) and Italy (-4.3%).

<sup>&</sup>lt;sup>1</sup> Eurostat and the Member States are rebasing the agricultural price indices from 1995=100 to 2000=100, and all the indices in this report are now expressed on the new base. Due to a lack of data, the estimate does not include: Cyprus, Estonia and Slovakia. In addition, Eurostat has made ad hoc calculations for Italy and Portugal, which provide the indices in the old base 1995=100 (further details may be found in the methodological notes).

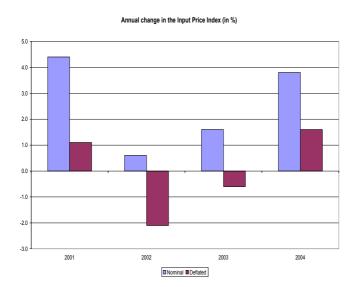
#### Output prices decreased by 2.5%

Real output prices for EU-25 decreased by 2.5% compared to 2003. *Crop prices* went down by 5.2% with all individual crop groups within the category showing decreases, except olive oil (+6.6%) and *Forage plants* (+5.4%). The largest fall in prices were recorded for *Eggs* (-13.8%) and *Vegetables and horticultural products* (-10.6%). Real price decreases were also significant for *Wine* (-5.3%) and *Other crop products* (-3.3%).

Prices for Animals and animal products remained almost the same than a year before (+0.5%) because the increase on the price of animals almost ofset the fall of the prices of Animal products. The most important price rises were observed for Pigs (+8.6), after two consecutives years of sharp decreases, for Other animal products (+3.9%) and Cattle (+1.9%). In contrast, the price for Eggs showed a significant decline which makes the index more in line with the evolution in the years 2001 and 2002. The price of Milk went down by 1.6% continuing the long downwards trend as can be seen in the previous years. 11 Member States had a drop in the deflated output prices of animals and animal products, ranging from -0.3% in Spain to -4.4% in Portugal and Sweden. In contrast, prices increased significantly in Latvia (+19.5%), Poland (+19.3%) and Lithuania (11.5%).



#### Input prices increased by 1.6%



The deflated index of the purchase prices of the means of agricultural production increased by 1.6% from the previous year. The real price index of *Goods and* 

services for current consumption in agriculture (Input I) went up 2.4%, breaking the downward trend observed for the period 2000-2003. This was mainly due to the prices of Energy; lubricants, Fertilisers and soil improvers and Animal feedingstuffs which all registered increases over 3%. On the other hand, prices showed falls for Seeds and planting stock, Veterinary expenses and Plant protection products and pesticides which was the product with the most significant decrease, -1.6%. The real price index for Goods and services contributing to Agricultural investment (Input II) had a small increase (+0.7%). All the components show increase on prices, being the most relevant the 1.3% registered for buildings.

Among the 22 Member States for which information is available only 4 countries -Malta, Belgium, Luxembourg and Lithuania- show a negative rate of change between -1.4% and -4.3%. In contrast, there were 18 Member States with a positive rate of change, ranging from +0.2% in the Netherlands to +5.6% in the United Kingdom.



#### Terms of Trade down by 4.2%

-	Annual change ir	agricultural	Terms of Trade	
_				(%)
	2001	2002	2003	2004
EU25	1.2	-3.4	1.6	-4.2
EU15	1.2	-3.0	1.9	-4.7
BE	1.9	-9.8	3.1	1.7
CZ	5.9	-8.5	-2.2	0.2
DK	1.5	-10.8	-3.4	-0.5
DE	3.1	-6.0	0.7	-5.0
EE	:	:	:	:
EL	3.9	4.1	4.7	-9.4
ES	0.2	-3.5	4.1	-2.8
FR	0.3	-3.7	1.9	-5.3
IE	-0.2	-5.7	-2.7	-1.2
IT	1.0	0.2	3.1	-6.6
CY	:	:	:	:
LV	1.1	-3.4	-6.7	15.7
LT	19.0	-4.4	-6.7	4.4
LU	-1.7	-3.4	-0.3	3.2
HU	-5.1	-2.8	0.1	-13.9
MT	8.6	-0.2	-3.6	-8.1
NL	0.2	-3.3	-0.6	-6.3
AT	4.7	-4.4	-1.5	-3.9
PL	-2.2	-11.3	-1.6	8.2
PT	-0.8	-0.7	-0.7	-11.4
sı	-2.6	-2.2	-1.4	-9.3
sĸ	:	:	:	:
FI	2.9	-2.0	-5.8	0.2
SE	0.0	-4.7	-3.5	-5.0
UK	4.5	-4.3	3.8	-3.6

The agricultural terms of trade are calculated by dividing the output price index by the input price index. Since it is a ratio, the movement in both these indices has an effect. The rise in the real prices of means of production (+1.6%) will reduce the terms of trade figure, since the cost of items is greater, and the decrease in the real output prices (-2.5%) will also have a negative impact in the terms of trade figure. The combination of both effects resulted in a decrease of the terms of trade for the EU-25 of -4.2%, compared to 2003.

Across Member States, there were 15 countries with a negative rate of change. For Malta, Slovenia, Greece, Portugal and Hungary, this was between -8% and -14%. In contrast, the evolution was positive for 7 Member States with a range which goes from +0.2% in Finland and the Czech Republic to +15.7% in Latvia.

#### ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

Calculation of national indices: The EU Agricultural Price Indices are calculated by each Member State on the basis of the Laspeyres formula with base and reference year 2000.

The value weight attached to each elementary index in the output index is equal to the value of the sales of this product (exclusive of VAT) over the base period.

Means of production have to be valued at the purchase price which is the price the purchaser actually pays for the products. It includes taxes less subsidies on products (but excludes deductible taxes like deductible VAT).

The index is expressed in the form of the weighted average of the elementary indices with fixed base weights. The weights used are values (of sales or purchases) and not quantities. In the case of highly seasonal products such as fresh fruits and fresh vegetables the method of variable baskets with fixed monthly weights in the base year is used for the monthly indices. Thus for each of the two groups (*Fresh fruits* and *Fresh vegetables*) each Member State determines 12 monthly baskets of representative products.

Calculation of indices for EU: for this purpose the following steps should be applied:

- (i) Estimation of the API for the European Monetary Union (EMU) with the national weights.
- (ii) Conversion of the EMU weight and weights of the non-EMU Member States into Purchasing Power Standards (PPS);
- (iii) Calculation of the API for the EU with the PPS weights

Availability of data and Eurostat estimations: When writing these notes the following information was available in Eurostat:

Weights: For EU-25, weights for the new rebasing are available for all the Member States except Cyprus, Italy, Latvia, Poland and Portugal. The symbol (:) is used when data are not available.

For calculating the weights for EU-25, Eurostat has made the estimation without Cyprus, Latvia and Poland. For Italy and Portugal weights were estimated from the Agriculture Economic Accounts.

Indices: In the new base, price indices for year 2004 are available for all the Member States except for Cyprus, Italy, Estonia, Slovakia and Portugal. For Italy and Portugal, price indices were provided in the old base 1995=100.



Table 1
EU Index of producer prices of agricultural products:
Rates of change of the price indices for EU-25\*

% 2001 2002 2003 2004 API NOMINAL INDICES Code AGRICULTURAL GOODS OUTPUT (100000+130000)\*\* 5.2 -3.0 3.4 -0.2 140000 CROP OUTPUT (010000 TO 090000)\*\* 4.2 0.7 6.9 -2.9 100000 -6.6 010000 CEREALS (including seeds) 1.0 7.9 0 1 INDUSTRIAL CROPS 7.8 0.1 3.3 1.6 020000 FORAGE PLANTS 17.8 2.0 -1.0 7.8 030000 VEGETABLES AND HORTICULTURAL PRODUCTS 4.2 040000 3.6 6.7 -8.6 050000 **POTATOES** 33.6 -6.3 15.5 0.4 **FRUITS** 9.2 4.6 12.1 060000 -4.5WINE -0.4 070000 -16.45.7 -2.98.1 **OLIVE OIL** -2.8 8.5 95 080000 OTHER CROP PRODUCTS 3.0 -1.1 3.9 -1.5 090000 ANIMAL OUTPUT (110000+120000) 6.1 -6.6 -0.4 3.0 130000 110000 **ANIMALS** 6.0 -8.6 -0.7 6.0 111000 Cattle -11.0 6.6 2.3 4.2 18.8 -18.7 -6.6 11.2 112000 Pigs 114000 Sheep and goats 15.9 -1.3 1.7 0.7 -7.6 Poultry 3.3 2.2 115000 5.7 Other animals 10.6 -16.1 15.0 119000 0.1 **ANIMAL PRODUCTS** 6.1 -3.5 0.5 -0.9 120000 Milk -2.0 -4.1 -1.5 0.6 121000 0.0 0.5 15.6 -11.7 Eggs 122000 129000 Other animal products 12.5 3.9 -4.25.6 **DEFLATED INDICES** AGRICULTURAL GOODS OUTPUT (100000+130000)\*\* 2.3 -5.4 1.0 -2.5 140000 CROP OUTPUT (010000 TO 090000)\*\* 1.4 -2.0 4.3 -5.2 100000 CEREALS (including seeds) -1.8 -8.8 5.6 -2.3 010000 -2.2 020000 INDUSTRIAL CROPS 4.7 1.3 -0.9-0.8 030000 FORAGE PLANTS 14.7 -3.6 5.4 **VEGETABLES AND HORTICULTURAL PRODUCTS** 4.1 040000 0.6 1.4 -10.6**POTATOES** 30.0 -8.5 13.1 -1.6 050000 1.5 **FRUITS** 6.1 9.0 -7.0 060000 070000 WINE -18.4-3.2 2.7 -5.3**OLIVE OIL** -5.5 5.0 4.9 6.6 080000 OTHER CROP PRODUCTS 090000 -0.3 -3.8 1.6 -3.3 -8.8 ANIMAL OUTPUT (110000+120000) 3.1 -2.4 0.5 130000 -2.8 **ANIMALS** 2.9 -10.8 3.5 110000 Cattle 111000 -13.24.1 0.1 1.9 -20.6 -8.5 8.6 112000 Pigs 15.1 Sheep and goats 12.8 -4.1 -0.9-1.8 114000 2.5 -9.9 1.0 -0.4 Poultry 115000 119000 Other animals 7.7 -18.3 11.7 -2.2 **ANIMAL PRODUCTS** -3.1 120000 3.0 -5.7 -1.5 -6.2 -4.5 -3.3 -1.6 121000 Milk -2.8 -13.8 122000 -1.913.2 Eggs

Other animal products



3.9

-6.3

1.0

8.8

129000

<sup>(\*)</sup> Without the inclusion of Cyprus, Estonia and Slovakia

<sup>(\*\*)</sup> Including fruits (060000) and vegetables (040000)

Table 2
Index of producer prices of agricultural products:
Rates of change by Member State

%

	TOTAL	TOTAL AGRICULTURAL GOODS			CROP PRODUCTS				ANIMALS AND ANIM. PRODUCTS				
	2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004	
						Deflated In	dices						
EU25*	2.3	-5.4	1.0	-2.5	1.4	-2.0	4.3	-5.2	3.1	-8.8	-2.4	0.5	EU25*
EU15	2.4	-5.0	1.3	-3.1	1.8	-2.0	4.0	-5.1	2.8	-8.2	-1.8	-0.9	EU15
BE	2.0	-10.8	1.7	0.2	15.9	-13.5	2.6	-5.5	1.2	-10.7	0.6	-1.1	BE
CZ	6.1	-11.0	-3.6	4.1	10.6	-8.7	-0.8	6.0	3.8	-12.4	-5.1	2.8	CZ
DK	5.1	-11.9	-6.4	1.6	-2.3	-3.3	1.4	-0.9	7.8	-14.9	-9.4	2.7	DK
DE	5.3	-7.6	-0.1	-3.2	5.6	-3.9	5.4	-8.7	5.0	-10.0	-4.0	1.1	DE
EE	:	:	:	:	:	:	:	:	:	:	:	:	EE
EL	2.3	3.0	5.3	-5.5	1.6	6.8	7.9	-7.0	3.8	-5.8	-2.1	-1.0	EL
ES	0.2	-6.0	2.2	-2.0	-4.0	-1.9	5.0	-3.2	6.4	-11.5	-1.8	-0.3	ES
FR	1.6	-5.0	1.1	-3.9	2.5	-4.4	3.4	-5.1	0.5	-5.8	-1.8	-2.4	FR
IE	0.3	-8.5	-4.2	-0.1	7.8	-6.1	1.1	-12.0	-1.0	-9.0	-5.1	2.3	ΙE
IT	2.6	-1.2	2.4	-4.3	3.4	1.8	3.2	-4.7	1.3	-6.4	0.9	-3.4	IT
CY	:	:	:	:	:	:	:	:	:	:	:	:	CY
LV	0.2	-4.6	-5.6	17.7	-3.6	-1.4	1.9	16.8	8.7	-4.1	-14.1	19.5	LV
LT	13.2	-0.9	-9.9	-0.1	11.9	12.1	-9.0	-8.0	14.8	-15.0	-11.1	11.5	LT
LU	-0.6	-4.2	-1.5	0.2	5.3	5.0	2.6	-2.2	-1.9	-6.4	-2.6	0.7	LU
HU	-2.8	-6.7	1.4	-11.4	-16.3	-1.9	15.3	-19.3	11.1	-10.3	-10.5	-2.8	HU
MT	6.8	-1.8	-5.6	-9.3	18.9	0.1	-2.0	-18.0	-1.2	-3.3	-8.5	-1.7	MT
NL	0.9	-5.9	-1.0	-6.2	2.9	-1.3	8.0	-10.0	-1.3	-11.0	-3.3	-1.4	NL
AT	4.3	-6.4	-0.9	-2.6	2.6	-1.0	6.8	-9.4	5.1	-9.0	-4.9	1.3	AT
PL	-1.0	-10.9	0.6	12.3	-6.5	-3.4	12.6	-1.7	1.8	-14.1	-4.9	19.3	PL
PT	2.0	-7.7	0.0	-9.5	2.1	-6.6	1.4	-13.5	1.8	-9.2	-1.9	-4.4	PT
SI	0.4	-6.1	-2.3	-4.6	0.9	-2.8	4.3	-12.8	0.2	-7.7	-5.4	-0.5	SI
SK	:	:	:	:	:	:	:	:	:	:	:	:	SK
FI	2.5	-3.4	-5.8	2.8	-2.8	-0.4	1.6	2.9	5.1	-4.7	-9.3	2.7	FI
SE	2.4	-4.7	-3.8	-2.3	6.8	-6.8	-0.5	0.8	-0.3	-3.4	-5.7	-4.4	SE
UK	7.0	-5.8	4.9	1.9	10.6	-8.3	5.0	2.8	4.5	-4.2	5.2	1.2	UK

<sup>(\*)</sup> Without the inclusion of Cyprus, Estonia and Slovakia

Table 3
Index of purchase prices of the means of agricultural production:
Rates of change of the price indices for EU-25\*

% API 2001 2002 2003 2004 Code **Nominal Indices** INPUT TOTAL (INPUT 1 + INPUT 2) 4.4 0.6 1.6 3.8 220000 200000 GOODS AND SERVICES CURRENTLY CONSUMED IN AGR. (INPUT 1) -17.3 -0.1 1.4 4.8 201000 SEEDS AND PLANTING STOCK 4.2 2.2 3.3 2.1 202000 **ENERGY; LUBRICANTS** -0.1 -3.0 5.2 6.2 203000 FERTILISERS AND SOIL IMPROVERS 12.8 -3.7 0.9 6.0 204000 PLANT PROTECTION PRODUCTS AND PESTICIDES 0.7 0.7 0.0 0.7 205000 **VETERINARY EXPENSES** 2.2 1.2 3.1 1.9 206000 ANIMAL FEEDINGSTUFFS 6.9 -0.8 -0.4 5.8 207000 MAINTENANCE OF MATERIALS 3.3 4.5 4.1 4.1 208000 MAINTENANCE OF BUILDINGS 3.5 2.3 2.2 2.6 209000 OTHER GOODS AND SERVICES 2.5 2.0 1.0 3.6 GOODS AND SERVICES CONTRIBUTING TO AGR. INVESTMENT (INPUT 2) 2.8 210000 2.7 2.4 2.1 211000 **MATERIALS** 21 21 1.9 2.6 25 2.2 3.5 212000 BUILDINGS 32 3.0 3.0 OTHER GOODS AND SERVICES 3.2 219000 4.4 **Deflated indices** 220000 INPUT TOTAL (INPUT 1 + INPUT 2) 1.1 -2.1 -0.6 1.6 GOODS AND SERVICES CURRENTLY CONSUMED IN AGR. (INPUT 1) -2.5 -0.8 200000 -19.4 2.4 SEEDS AND PLANTING STOCK -0.5 0.5 -0.2 201000 1.0 -3.2 -5.4 29 38 202000 **ENERGY: LUBRICANTS** FERTILISERS AND SOIL IMPROVERS 9.8 -6.0 3 7 203000 -1.3 PLANT PROTECTION PRODUCTS AND PESTICIDES -1.9 -1.7 -2.2 -1.6 204000 -1.2 -0.8 -0.1 -0.9 205000 VETERINARY EXPENSES 206000 ANIMAL FEEDINGSTUFFS 3.7 -3.3 -2.7 3.4 MAINTENANCE OF MATERIALS 0.6 2.1 2.0 2.0 207000 MAINTENANCE OF BUILDINGS 0.9 0.0 0.1 0.5 208000 OTHER GOODS AND SERVICES -0.3 -0.4 -1.2 1.4 209000 GOODS AND SERVICES CONTRIBUTING TO AGR. INVESTMENT (INPUT 2) -0.4 -0.2 -0.1 0.7 210000 **MATERIALS** -0.8 -0.3 -0.2 0.5 211000

0.5

1.1

0.1

0.3

0.1

0.5

1.3

0.7

OTHER GOODS AND SERVICES

212000

219000

**BUILDINGS** 

<sup>(\*)</sup> Without the inclusion of Cyprus, Estonia and Slovakia



Table 4
Index of purchase prices of agricultural products:
Rates of change by Member State

%

	(Input 1 + Input 2)				GOODS AND SERV. CONSUMED IN AGRICULTURE (Input 1)								
									(Input 2)				
	2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004	
						Defla	ted Indices						
EU25*	1.1	-2.1	-0.6	1.6	-19.4	-2.5	-0.8	2.4	-0.4	-0.2	-0.1	0.7	EU25
EU15	1.1	-2.1	-0.6	1.6	-21.0	-2.4	-0.8	2.3	-0.4	-0.3	-0.1	0.7	EU15
BE	0.1	-1.0	-1.3	-1.5	0.1	-1.3	-1.5	-1.9	0.2	0.5	-0.2	-2.0	BE
CZ	0.1	-2.7	-1.5	3.9	0.5	-3.0	-2.0	4.7	-2.4	-0.9	1.3	-0.4	CZ
DK	3.5	-1.3	-3.1	2.2	4.3	-1.4	-3.9	1.9	0.6	-0.9	0.2	3.0	DK
DE	2.1	-1.8	-0.8	1.9	3.2	-2.3	-1.0	2.5	-0.7	-0.2	-0.2	0.1	DE
EE	:	:	:	:	:	:	:	:	:	:	:	:	EE
EL	-1.6	-1.0	0.5	4.3	-2.1	-1.7	8.0	5.7	0.2	0.5	-0.1	0.0	EL
ES	0.0	-2.6	-1.8	0.9	-0.5	-2.9	-1.9	1.0	2.4	-0.8	-0.8	-0.1	ES
FR	1.3	-1.4	-0.8	1.4	1.6	-2.0	-1.2	1.5	0.5	0.6	0.3	1.3	FR
IE	0.4	-3.0	-1.5	1.2	0.7	-3.3	-1.4	1.6	-0.6	-1.6	-2.3	-0.5	ΙE
IT	1.6	-1.4	-0.7	2.4	3.0	-2.4	-1.0	2.5	-0.4	0.1	-0.2	2.4	IT
CY	:	:	:	:	:	:	:	:	:	:	:	:	CY
LV	-0.8	-1.3	1.3	1.7	-1.1	-1.3	1.5	1.8	1.0	-1.0	0.0	0.6	LV
LT	-4.8	3.7	-3.4	-4.3	-4.8	3.7	-3.4	-4.3	:	:	:	:	LT
LU	1.1	-0.8	-1.2	-2.9	1.5	-1.5	-1.5	-3.3	0.6	0.2	-0.9	-2.2	LU
HU	2.4	-4.0	1.3	2.8	2.7	-4.8	1.3	3.4	-0.4	1.3	1.5	-0.8	HU
MT	-1.7	-1.6	-2.1	-1.4	-1.7	-1.5	-2.2	-1.4	-3.2	-2.3	-1.1	-1.6	MT
NL	0.7	-2.7	-0.4	0.2	2.5	-3.1	-0.6	:	-1.7	-1.2	-0.4	0.4	NL
AT	-0.4	-2.0	0.7	1.4	-0.3	-3.2	1.0	1.9	-0.6	-0.1	0.3	0.6	AT
PL	1.2	0.4	2.3	3.8	1.4	0.7	2.4	3.4	-1.4	0.3	1.4	11.5	PL
PT	2.8	-7.0	0.8	2.1	3.8	-8.1	0.9	2.5	-3.0	-0.6	-0.1	-0.1	PT
SI	3.1	-4.0	-0.9	5.1	5.2	-5.4	-1.0	4.6	-2.0	-0.4	-0.6	5.9	SI
SK	:	:	:	:	:	:	:	:	:	:	:	:	SK
FI	-0.4	-1.4	0.0	2.6	-0.8	-2.3	-0.3	2.4	0.5	0.3	1.1	3.2	FI
SE	2.4	0.0	-0.3	2.7	2.9	-0.4	-0.4	2.8	0.2	1.5	0.3	2.6	SE
UK	2.3	-1.7	1.1	5.6	3.0	-1.9	1.3	6.2	-2.2	-0.3	0.1	1.6	UK

 $<sup>(\</sup>mbox{\ensuremath{^{'}}})$  Without the inclusion of Cyprus, Estonia and Slovakia

## Further information:

#### **Databases**

EUROSTAT website/Agriculture, forestry and fisheries/Agriculture/Agricultural prices and price indices

# Journalists can contact the media support service:

Bech Building Office A4/017 L - 2920 Luxembourg

Tel. (352) 4301 33408 Fax (352) 4301 35349

E-mail: eurostat-mediasupport@cec.eu.int

#### **European Statistical Data Support:**

Eurostat set up with the members of the 'European statistical system' a network of support centres, which will exist in nearly all Member States as well as in some EFTA countries.

Their mission is to provide help and guidance to Internet users of European statistical data.

The complete details concerning this support network can be found on our Internet site: www.europa.eu.int/comm/eurostat/

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

2, rue Mercier L - 2985 Luxembourg

URL: <a href="http://publications.eu.int">http://publications.eu.int</a>
E-mail: info-info-opoce@cec.eu.int