

Theme 2 Economy and finance Series B Short-term statistics



# ECU-EMS information and central bank interest rates

**12 1996** Monthly

## Bilateral fluctuations of the ERM currencies

Graph 1 on page 4 shows the trends in the bilateral fluctuation of ERM currencies between 1 October 1996 and 29 November 1996 calculated on a daily basis.

This graph shows that during the whole period under consideration, there were no tensions in the bilateral fluctuation of all but one ERM currency. Specifically, the IRL, the strongest and most volatile currency in the ERM grid during the period considered, continued to strengthen markedly, in line with UKL and the USD after 30 October. This caused the width of the band within which all ERM currencies moved to increase from 2.86% on 31 October 1996 to 7.87% on 29 November 1996. It is important to notice that since the last week of November, the FF has weakened slightly against the DM and the other ERM currencies. By the end of November, all ERM currencies but the IRL moved within a band of 2.71%, which is slightly wider than at the end of the previous month (2.12%, if the IRL is excluded).

The graph includes the bilateral fluctuations of the LIT. The LIT which was forced out of the exchange rate mechanism along with UKL in September 1992, re-joined the ERM on 25 November 1996. The ECU central rate for the LIT is LIT 1906.48 and its bilateral central rate against the DM is LIT 990.004 (see the new exchange rate grid, with the new ECU central rates in table 1). Like other member currencies of the ERM, the fluctuation limits are set at  $\pm$ 15%. Since 25 November the LIT was trading near its DM bilateral central rate and ended the month at LIT 986.137 per DM.

# Consumer price indices in ECU

Owing mainly to the sharp appreciation of LIT and SKR against the ECU, the indices of Italy and Sweden continued to climb, and rose in the 12 months to October by 14.1% and 8.3% respectively. The indices of the United Kingdom and Ireland also continued on a strong upward trend. In the 12 months to October these indices rose by 8.4% and 6.2% respectively, partly due to their

corresponding inflation rates and partly to the sharp appreciation of the IRL and UKL against the ECU over the 12 month period.

In the 12 months to October the indices of Greece, Spain, France and Portugal, rose by 10.3%, 3.5%, 2.3% and 4.3% respectively. These increases in the national CPIs expressed in ECU mostly reflect increases in the corresponding inflation rates in national currency. The index of Denmark rose slightly, by 0.9%, reflecting an increase in inflation which was partly offset by a slight depreciation of the DKR against the ECU, from October 1995 to October 1996.

Because of the larger depreciation of the BFR, DM, LUF, HFL, OS, and FMK against the ECU relative to the low rate of growth of the respective CPIs in national currencies from October 1995 to October 1996, the index of Belgium, Germany, Luxembourg, the Netherlands, Austria and Finland fell by 0.5%, 1.3%, 1.4%, 0.5%, 0.7% and 1.2% respectively.

## ECU yields continue to fall

There was a noticeable fall in ECU yields in November 1996, continuing the downward trend noted since January 1995. As at 3 December 1996, yields for up to 7 years were at an all-time low. Yields for up to 10 years were still 60 bp above the rate at the beginning of January 1994, when they reached their lowest level. Long-term ECU rates have fallen less than short-term rates, and this has raised the slope of the curve. As measured by the yield gap between 10 and 2 years, the graph peaked at 220 bp in May 1996 before dropping to 180 bp at the beginning of December. This fall in ECU yields has gone hand-in-hand with a decline in money market rates. The 1-, 3- and 6 month Libor rates for the ECU are now barely above 4%, an unprecedented low. ECU interest rates and yields have benefited from the widespread bearish cycle in Europe and also from the tendency for rates to converge on those of the most stable EMS currencies. For example, the 10year yield gap against the Bund or OAT is now only around 35 bp as against 120 bp in January 1996.



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L-2920 Luxembourg — Tél. 43 01-1 — Télex COMEUR LU 3423 B-1049 Bruxelles, rue de la Loi 200 — Tél. 299 11 11

Note			
For any	<sup>,</sup> information on the statistic	s in this bulletin contact Luxembourg:	
TEL:	+352 346991-337 +352 346991-334 or 341	F. GARCIA-VALERO / R. SCHMITZ S. WARTON-WOODS / O. DELOBBE (Central bank interest rates)	
FAX:	+352 4301-32929		

Eurostat Monetary and Financial Statistics Jean Monnet Building APC C4/04 L-2920 Luxembourg

# TABLE OF CONTENTS

COMMENTS		1
EUROPEAN MON	NETARY SYSTEM	
Table I.	Central rates and intervention limit rates	4
Graph 1.	Bilateral fluctuations of the ERM currencies	5
Graph 2.	Divergence indicator of the ERM currencies	5
ECU EXCHANGE	RATES	
Table II.	ECU exchange rates	6
Table III.	Consumer price indices in national currency	8
Table IV.	Consumer price indices in ECU	10
ECU BOND MAR	KET	
Table V.	ECU bond issues	12
Table VI.	Last month's ECU bond issues	12
Table VII.	Outstanding amount of ECU bonds.	
Table VIII.	Total of the secondary market turnover and % of market taken by ECU securities	13
ECU INTEREST F	RATES	
Table IX.	Operation rates of the EMI and interest rates and yields of ECU investments	14
Graph 3.	ECU yield curve	15
Graph 4.	Evolution of ECU yields	15
CENTRAL BANK	INTEREST RATES	
Table X.	Central Bank interest rates	16
Graphs.	Evolution of central bank interest rates over the last 12 months	19
EXPLANATORY	NOTES	21

#### (1) TABLE I

## CENTRAL RATES AND INTERVENTION LIMIT RATES, IN FORCE SINCE 25TH NOVEMBER 1996, FOR THE CURRENCIES OF COUNTRIES PARTICIPATING IN THE EMS EXCHANGE RATE MECHANISM.

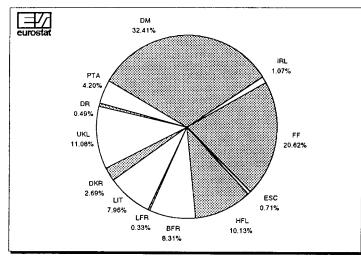
											1	· · · · · · · · · · · · · · · · · · ·	
eurostat	1 ECU =		100 BLF =	100 DKR =	100 DM =	100 P <b>T</b> A =	100 FF =	1 IRL =	1000 L <b>IT</b>	100 HFL =	100 ÖS =	100 ESC =	100 FMK =
		+	-	627.880	2395,20	28.1525	714.030	57.7445	24.1920	2125.60	340.420	23.3645	787.830
BLF	39.7191	=	-	540.723	2062.55	24.2447	614.977	49.7289	20.8337	1830.54	293.163	20.1214	678.468
		-	-	465.665	1776.20	20.8795	529.660	42.8260	17.9417	1576.45	252.470	17.3285	584.290
		+	21.4747	-	442.968	5.20640	132.066	10.6792	4.47400	393,105	62.9561	4.32100	145.699
DKR	7.34555	=	18.4938	-	381.443	4.48376	113.732	9.19676	3.85294	338.537	54.2170	3.72119	125.474
		-	15.9266	-	328.461	3.86140	97.9430	7.92014	3.31810	291.544	46.6910	3.20460	108.057
		+	5.63000	30.4450	-	1.36500	34.6250	2.80000	1.17290	(103.058) <sup>(2)</sup>	16.5050	1.13280	38.1970
DM	1.92573	=	4.84837	26.2162	-	1.17548	29.8164	2.41105	1.01010	88.7526	14.2136	0.975561	32.8948
		-	4.17500	22.5750	-	1.01230	25.6750	2.07600	0.869900	(76.4326) <sup>(2)</sup>	12.2410	0.840100	28.3280
		+	478.944	2589.80	9878.50	-	2945.40	238.175	99.7800	8767.30	1404.10	96.3670	3249.50
PTA	163.826	=	412.461	2230.27	8507.18	-	2536.54	205.113	85.9311	7550.30	1209.18	82.9927	2798.41
		-	355.206	1920.70	7326.00	-	2184.40	176.641	74.0000	6502.20	1041.30	71.4690	2410.00
		+	18.8800	102.100	389.480	4.57780	-	9.38950	3.93379	345.650	55.3545	3.79920	128.107
FF	6.45863	=	16.2608	87.9257	335.386	3.94237	-	8.08631	3.38773	297.661	47.6706	3.27188	110.324
		-	14.0050	75.7200	288.810	3.39510	-	6.96400	2.91750	256.350	41.0533	2.81770	95.0096
		+	2.33503	12.6261	48.1696	0.566120	14.3599	-	0.486472	42.7439	6.84544	0.469841	15.8424
IRL	0.798709	=	2.01090	10.8734	41.4757	0.487537	12.3666	-	0.418944	36.8105	5.89521	0.404620	13.6433
		_	1.73176	9.36403	35.7143	0.419859	10.6500	-	0.360789	31.7007	5.07688	0.348453	11.7494
		+	5573.60	30138.0	114956	1351.30	34276.0	2771.70	-	102027	16339.0	1121.50	37816.0
LIT	1906.48	=	4799.91	25954.2	99000.4	1163.72	29518.3	2386.95	-	87864.7	14071.5	965.805	32565.8
		-	4133.60	22351.0	85259.0	1002.20	25421.0	2055.61	-	75668.0	12118.8	831.700	28045.0
		+	6.34340	34.3002	(130.834) <sup>(2)</sup>	1.53793	39.0091	3,15450	1.32156	-	18.5963	1.27637	43.0378
HFL	2.16979	=	5.46286	29.5389	112.673	1.32445	33.5953	2.71662	1.13811	-	16.0149	1.09920	37.0636
		-	4.70454	25.4385	(97.0325) <sup>(2)</sup>	1.14060	28.9381	2.33952	0.980132	-	13.7918	0.946611	31.9187
		+	39.6089	214.174	816.927	9.60338	243.586	19.6971	8.25219	725.065	-	7.97000	268,735
ös	13.5485	=	34.1107	184.444	703.550	8.27008	209.773	16.9629	7.10655	624.417	-	6.86356	231.431
		-	29.3757	158.841	605.877	7.12200	180.654	14.6082	6.12032	537.740	-	5.91086	199.305
		+	577.090	3120.50	11903.3	139.920	3549.00	286.983	120.240	10564.0	1691.80	-	3915.40
ESC	197.398	=	496,984	2687.31	10250.5	120.493	3056.35	247.145	103.541	9097.55	1456.97	-	3371.88
		-	428.000	2314.30	8827.70	103.770	2632.10	212.838	89.1700	7834.70	1254.70	-	2903.80
		+	17.1148	92.5438	353.008	4.14938	105.253	8.51107	3.56570	313.295	50.1744	3.44376	-
FMK	5.85424	=	14.7391	79.6976	304.000	3.57345	90.6422	7.32960	3.07071	269.806	43.2094	2.96570	-
		-	12.6931	68.6347	261.801	3.07740	78.0597	6.31217	2.64438	232.353	37.2114	2.55402	-
DR	295.269	!		(1	) Table prepar	red by the El	VII followin			ntral banks co		īi	
	(notional)												
UKL	0.793103												

selling rate HFL 100 in Frankfurt: DM 90.7700; buying rate HFL 100 in Frankfurt: DM 86.7800;

selling rate DM 100 in Amsterdam: HFL 115.2350; buying rate DM 100 in Amsterdam: HFL 110.1675.

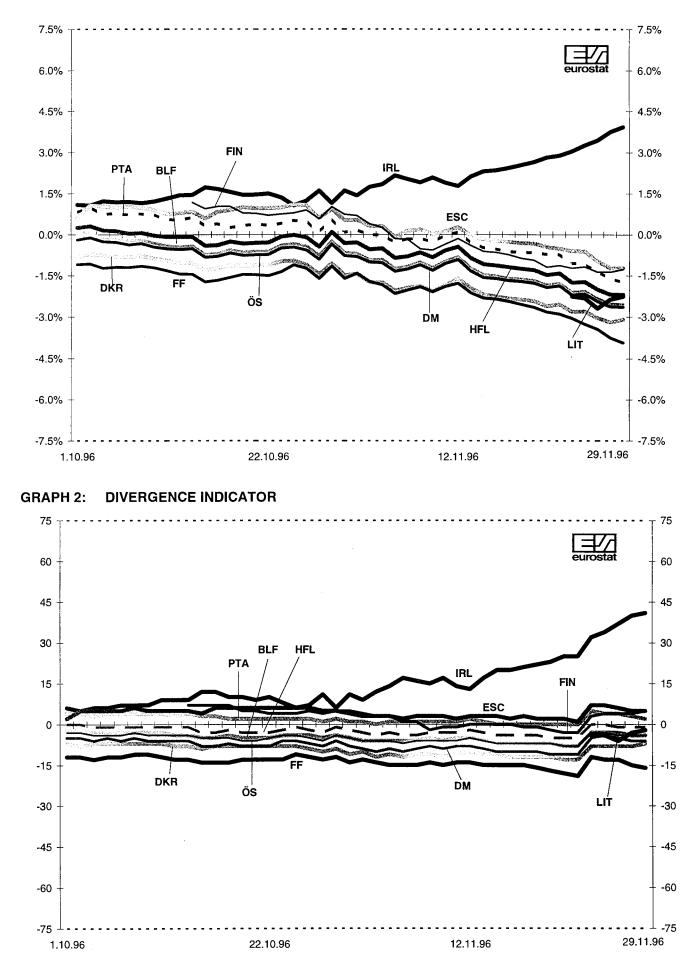
#### WEIGHTS OF COMPONENT CURRENCIES IN THE ECU, CALCULATED ON THE BASIS OF CENTRAL RATES IN FORCE SINCE 25.11.1996

(notional)



## COMPOSITION OF THE ECU BASKET

Since 21/0	9/1989
0.6242 1.332 0.2198 3.301 0.13 151.8 0.1976 0.008552 0.08784 1.44 6.885 1.393 = 1 EC	FF HFL BFR LFR LIT DKR IRL UKL DR PTA ESC



# TABLE II

# ECU EXCHANGE RATES

eurostat	B/LFR	DKR	DM	DR	ΡΤΑ	FF	IRL	LIT	HFL	ös
					Yearly ave	eranes				
					Teany av	elages				
1985	44.9137	8.01876	2.22632	105.739	129.135	6.79502	0.715167	1447.99	2.51101	15.6428
1986	43.7979	7.93565	2.12819	137.425	137.456	6.79976	0.733526	1461.88	2.40090	14.9643
1987	43.0410	7.88472	2.07153	156.268	142.165	6.92910	0.775448	1494.91	2.33418	14.5710
1988	43.4285	7.95152	2.07440	167.576 178.840	137.601	7.03644	0.775672	1537.33	2.33479	14.5861
1989	43.3806	8.04929 7.85652	2.07015 2.05209	201.412	130.406 129.411	7.02387 6.91412	0.776818 0.767768	1510.47	2.33526	14.5695
1990	42.4257 42.2233	7.90859	2.05209	201.412	129.411	6.97332	0.767809	1521.98 1533.24	2.31212 2.31098	14.4399 14.4309
1991 1992	42.2233	7.80925	2.02031	247.026	132.526	6.84839	0.760718	1595.51	2.27482	14.4309
1993	40.4713	7.59359	1.93639	268.568	149.124	6.63368	0.799952	1841.23	2.17521	13.6238
1994	39.6565	7.54328	1.92452	288.026	158.918	6.58261	0.793618	1915.06	2.15827	13.5395
1995	38.5519	7.32804	1.87375	302.989	163.000	6.52506	0.815525	2130.14	2.09891	13.1824
					Monthly av	erages				
	00.5565	7 00007	4 07504	200.000	464 477	6 40007	0.000700	2400.04	0 40000	40.4070
95/11	38.5585	7.26867	1.87561	309.630	161.177	6.46937	0.823729	2109.81 2079.58	2.10063	13.1978
95/12	38.6335	7.28126 7.30159	1.87967 1.88745	310.527	159.880 159.108	6.47662 6.46514	0.819635	2079.58 2045.84	2.10468	13.2259
96/01 96/02	38.7976 38.8389	7.30159	1.88865	310.628 312.084	159.108	6.49500	0.815783 0.814528	2045.84 2026.22	2.11373 2.11488	13.2741 13.2825
96/02 96/03	38.9145	7.31364	1.88805	309.481	159.387	6.49300 6.48243	0.814528	2028.22	2.11466	13.3153
96/04	39,1033	7.34389	1.90332	305.900	158.731	6.45729	0.807566	1978.76	2.12844	13.3862
96/05	39.2952	7.37931	1.91165	303.239	159.558	6.46945	0.797219	1942.36	2.13730	13.4513
96/06	39.3649	7.37905	1.91356	302.636	161.414	6.48599	0.791060	1932.36	2.14355	13.4668
96/07	39.3623	7.36763	1.91083	302.052	161.392	6.47101	0.792324	1939.80	2.14448	13.4475
96/08	39.1954	7.35381	1.90229	303.998	161.319	6.49518	0.796395	1946.30	2.13381	13.3864
96/09	39.3520	7.36091	1.91115	303,798	161.095	6.50787	0.788059	1929.22	2.14253	13.4475
96/10	39.6079	7.37211	1.92291	301.784	161.865	6.50223	0.782308	1918.52	2.15714	13.5283
96/11	39.7803	7.41390	1.93039	304.419	162.498	6.53269	0.767118	1932.35	2.16519	13.5839
					Daily rat					
					11-96					
01/11	39.7381	7.41046	1.92897	302.958	162.394	6.51354	0.777692	1927.7 <b>1</b>	2.16263	13.5663
04/11	39.6984	7.40549	1.92692	303.784	162.296	6.51666	0.776278	1935.41	2.16021	13.5592
05/11	39.7410	7.41123	1.92890	303.800	162.353	6.52329	0.771954	1937.23	2.16305	13.5727
06/11	39,7329	7.40749	1.92839	303.716	162.246	6.51854	0.773403	1934.72	2.16281	13.5692
07/11	39.6917	7.40661	1.92627	304.061	162.308	6.51378	0.774863	1938.03	2.16095	13.5542
08/11	39.7228 39.6915	7.41139 7.40631	1.92772 1.92594	304.501 304.140	162.288 162.185	6.51682 6.51453	0.772335 0.775184	1940.41	2.16180	13.5649
11/11 12/11	39.6664	7.39413	1.92394	304.713	162.185	6.51287	0.776872	1941.15 1943.65	2.15973 2.15893	13.5515 13.5444
13/11	39.7186	7.40050	1.92761	304.428	162.132	6.51751	0.771833	1943.85 1941.79	2.15693	13.5444 13.5635
14/11	39.7561	7.40671	1.92951	304.404	162.381	6.52075	0.769175	1941.79	2.16384	13.5783
15/11	39.7645	7.40985	1.92972	304.796	162.413	6.52164	0.768626	1942.57	2.16410	13.5799
18/11	39.7774	7.41030	1.92974	304.663	162.454	6.52301	0.767373	1942.23	2.16409	13.5803
19/11	39.7750	7.41105	1.92983	305.150	162.426	6.52801	0.766263	1942.77	2.16462	13.5814
20/11	39.7941	7.41494	1.93072	304.901	162.459	6.53441	0.765348	1931.48	2.16565	13.5876
21/11	39.8260	7.42171	1.93225	304.947	162.417	6.53990	0.763242	1928.41	2.16766	13.5982
22/11	39.8169	7.42108	1.93182	304.884	162.510	6.54813	0.762969	1927.59	2.16727	13.5955
25/11	39.8808	7.42849	1.93509	304.425	162.744	6.54722	0,760339	1917.18	2.17103	13.6185
26/11	39.8622	7.42600	1.93413	304.233	162.792	6.56043	0.758397	1918.25	2.170 <b>1</b> 8	13.6110
27/11	39.8841	7.42896	1.93539	304.396	162.901	6.55858	0.755318	1921.47	2.17168	13.6200
28/11	39.9191	7.43336	1.93702	305.057	163.139	6.57260	0.751821	1913.14	2.17338	13.6318
29/11	39.9286	7.42576	1.93740	304.846	163.350	6.58427	0.750186	1910.84	2.17350	13.6332

# TABLE II

# ECU EXCHANGE RATES

ESC	FMK	SKR	UKL	IKR	NKR	CHF	USD	YEN	eurostat
			Y	early average	25				
120.251	4 60 402	6 50100				1 95570	0.76300	100 550	4005
130.251	4.69423	6.52133	0.588977	31.6485	6.51104	1.85572	0.76309	180.559	1985
147.088	4.97974	6.99567	0.671543	40.3813	7.27750	1.76086	0.98417	164.997	1986
162.616	5.06517	7.31001	0.704571	44.5548	7.76498	1.71780	1.15444	166.598	1987
170.059	4.94362	7.24192 7.09939	0.664434 0.673302	50.7794 62.8909	7.70054 7.60381	1.72822	1.18248	151.459	1988
173.413	4.72301		0.873302	74.0013		1.80010	1.10175	151.938	1989
181.109 178.614	4.85496 5.00211	7.52051 7.47926	0.701012	73.0052	7.94851 8.01701	1.76218 1.772 <b>4</b> 5	1.273 <b>4</b> 3 1.23916	183.660	1990
								166.493	1991
174.714	5.80703	7.53295	0.737650	74.6584 79.2528	8.04177	1.81776	1.29810	164.223	1992
188.370	6.69628	9.12151	0.779988		8.30954	1.73019	1.17100	130.147	1993
196.896	6.19077	9.16307	0.775902	83.1063	8.37420	1.62128	1.18952	121.322	1994
196.105	5.70855	9.33192	0.828789	84.6853	8.28575	1.54574	1.30801	123.012	1995
			Mo	onthly averag	jes				
196.722	5.61417	8.73139	0.846948	85.5991	8.27314	1.51288	1.32381	134.826	95/11
197.087	5.65231	8.64892	0.847268	85.3226	8.29254	1.51830	1.30430	132,763	95/12
195.831	5.73832	8.69018	0.844058	85.3993	8.28739	1.52352	1.29184	136.444	96/01
196.340	5.86509	8.86460	0.838898	85.3687	8.25045	1.53986	1.28860	136.091	96/02
195.961	5.89839	8.63156	0.839005	84.9858	8.23632	1.53246	1.28134	135.674	96/03
195.426	5.98340	8.49279	0.834013	84.4396	8.21015	1.54195	1.26391	135.515	96/04
196.450	5.93167	8.47882	0.822658	83.9541	8.20054	1.56415	1.24668	132.567	96/05
197.066	5.85009	8.37071	0.812532	84.1862	8.18508	1.57450	1.25292	136.393	96/06
196.501	5.82689	8,43833	0.817683	84.8056	8.19491	1.56644	1.27064	138.793	96/07
195.336	5.74750	8.49551	0.827934	85.0551	8.22904	1.54317	1.28325	138.418	96/08
195.200	5.75969	8.42542	0.813841	84.7580	8.19539	1.56306	1.26907	139.428	96/09
194.313	5.75156	8.30499	0.793727	84.3810	8.15901	1.58325	1.25841	141.397	96/10
195.164	5.81198	8.46235	0.768046	84.5893	8.11739	1.62727	1.27690	143.347	96/11
				Daily rates: 11-96					
195.017	5.77992	8.35818	0.775744	84.4225	8.11398	1.61340	1.26989	144.450	01/11
194.895	5.78254	8.39875	0.777036	84.5287	8.11542	1.61519	1.27341	144.086	04/11
195,259	5.79395	8.43040	0.771393	84.4887	8.12337	1.62225	1.27396	145.193	05/11
194.896	5.79849	8.40311	0.774110	84.5899	8.12309	1.62081	1.26993	144.734	06/11
194.915	5.82226	8.43429	0.777597	84.6433	8.10643	1.61579	1.27821	142.828	07/11
195.006	5.81699	8.45219	0.773973	84.6305	8.08568	1.62390	1.27706	142.864	08/11
195.103	5.81417	8.46134	0.777491	84.7094	8.09579	1.62005	1.28037	142.275	11/11
194.982	5.80747	8.48399	0.779182	84.5960	8.08605	1.61734	1.28370	142.940	12/11
195.000	5.80599	8.50168	0.773933	84.7033	8.09026	1.62253	1.27970	142.507	13/11
195.052	5.81031	8.47588	0.769406	84.7268	8.09280	1.62663	1.28122	143.048	14/11
195.086	5.81082	8.48787	0.768857	84.7096	8.10594	1.63387	1.28076	142.190	15/11
195.037	5.81190	8.49170	0.768524	84.7697	8.13358	1.62966	1.28128	142.773	18/11
195.076	5.81774	8.49252	0.767178	84.8867	8.12903	1.62940	1.28441	143.045	19/11
195.080	5.82188	8.50851	0.767264	84.8984	8.12747	1.63270	1.28732	143.124	20/11
195.168	5.83111	8.50959	0.764240	84.7460	8.14143	1.63317	1.28637	143.790	21/11
195.370	5.83085	8.51160	0,763332	84.7995	8.15380	1.63166	1.28660	143.134	22/11
195.221	5.82635	8.46505	0.760429	84.5994	8.15830	1.63204	1.27813	143.777	25/11
195.198	5.82277	8.45936	0.759215	84.1503	8.15986	1.63805	1.26637	142.745	26/11
195.507	5.82153	8.46439	0.756534	84.4217	8.13427	1.63765	1.26969	143.665	27/11
195.800	5.81549	8,46285	0.752896	84.2051	8.09820	1.63746	1.26396	143.561	28/11
195.786	5,80905	8.45602	0.750632	84.1498	8.09050	1.63919	1.26256	143.566	29/11

# TABLE III

# CONSUMER PRICE INDICES IN NATIONAL CURRENCY

# 1985=100

	EUR 15**	ERM**	в	DK	D*	GR	Е	F	IRL	I	L	NL
eurostat												
1991	129.7	121.6	114.6	124.1	110.9	265.9	145.0	120.2	121.3	140.0	112.4	108.3
1992	135.1	126.4	117.3	126.7	115.3	308.1	153.5	123.0	125.1	147.3	115.9	111.7
1993	139.7	130.5	120.6	128.3	119.5	352.6	160.6	125.6	126.9	153.8	120.1	114.6
1994	144.0	134.0	123.4	130.8	122.7	391.1	168.1	127.8	129.8	160.0	122.7	117.8
1995	148.5	137.1	125.3	133.6	125.0	427.4	176.0	129.9	133.2	168.3	125.1	120.1
1995 10	149.5	137.7	125.4	134.2	125.3	439.7	177.5	130.8	:	170.5	125.5	120.9
11	149.7	137.8	125.7	134.5	125.3	440.7	178.0	130.9	133.9	171.6	125.5	120.9
12	150.0	138.0	125.8	134.4	125.6	445.2	178.4	131.0	:	171.9	125.6	120.5
1996 Ö1	150.3p	138.4p	126.9	134.3	125.7	444.7	179.6	131.2	:	172.3p	125.9	121.1
02	150.8p	139.0p	127.2	135.0	126.4	443.3	180.1	131.7	134.4	172.8p	126.0	121.5
03	151.4p	139.5p	127.3	135.8	126.5	458.4	180.7	132.5	:	173.3p	126.3	122.5
04	152.0p	139.7p	127.5	136.1	126.6	464.2	181.8	132.8	:	174.2p	126.6	122.6
05	152.3p	140.0p	127.3	136.6	126.8	467.2	182.4	133.0	135.0	174.9p	126.7	122.4
06	152.4p	139.9p	127.3	136.5	126.9	469.9	182.2	132.9	:	175.3p	126.7	121.9
07	152.3p	140.2p	128.1	136.3	127.4	458.2	182.4	132.6	:	175.0p	126.8	122.4
08	152.4p	140.2p	128.4	136.5	127.2	458.0	183.0	132.3	135.7	175.2p	126.9	122.3
09	152.9p	140.4p	128.1	137.2	127.1	471.7	183.5	132.8	:	175.7p	127.0	123.4
10	153.0p	140.5p	128.5	137.4	127.1	476.1	183.6	133.1	:	175.8p	127.4	123.8

### Annual rate of increase (%)

eurostat	EUR 15**	ERM**	В	DK	D*	GR	E	F	IRL	1	L	NL
1991	5.1	4.4	3.2	2.4	3.6	19.5	6.0	3.2	3.1	6.3	3.1	3.9
1992	4.2	3.9	2.4	2.1	4.0	15.9	5.9	2.4	3.1	5.2	3.2	3.2
1993	3.4	3.2	2.8	1.3	3.6	14.5	4.6	2.1	1.4	4.5	3.6	2.6
1994	3.1	2.7	2.4	2.0	2.7	10.9	4.7	1.7	2.3	4.0	2.2	2.8
1995		2.3	1.5	2.1	1.8	9.3	4.7	1.8	2.6	5.2	1.9	1.9
1995 10	3.0	2.2	1.2	1.9	1.8	8.3	4.4	1.8	:	5.5	1.6	1.3
11	3.0	2.2	1.5	1.9	1.7	8.2	4.5	1.9	2.4	5.7	1.3	1.6
12	3.0	2.2	1.5	1.8	1.8	8.1	4.3	2.1	:	5.6	1.3	1.7
1996 01	2.8p	2.0p	2.0	1.7	1.5	8.4	3.9	2.0	:	5.4p	1.1	1.9
02	2.7p	2.0p	1.9	1.8	1.6	8.5	3.7	2.0	2.0	4.9p	1.0	1.8
03	2.7p	2.2p	2.0	2.1	1.7	9.1	3.4	2.3	:	4.5p	1.2	2.1
04	2.7p	2.1p	2.0	2.0	1.5	9.2	3.5	2.4	:	4.6p	1.5	2.0
05	2.7p	2.2p	1.9	1.9	1.7	9.1	3.8	2.4	1.4	4.4p	1.4	2.0
06	2.5p	2.1p	1.8	2.0	1.4	8.8	3.6	2.3	:	3.9p	1.2	1.8
07	2.5p	2.2p	1.9	2.3	1.6	8.6	3.7	2.3	:	3.6p	1.3	2.2
08	2.3p	1.9p	1.9	2.4	1.4	8.5	3.7	1.6	1.4	3.3p	1.4	1.9
09	2.3p	1.9p	2.0	2.3	1.4	8.5	3.5	1.6	:	3.4p	1.3	2.0
10	2.4p	2.0p	2.5	2.4	1.5	8.3	3.5	1.8	:	3.1p	1.5	2.4

p=provisional

\* New Consumer Price Indices series for Germany, backdated, taking into account German reunification on 3 October 1990.

\*\* These aggregates are new series, backdated, taking into account the new German CPI and incorporating new weights for Germany.

# TABLE III

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# CONSUMER PRICE INDICES IN NATIONAL CURRENCY 1985=100

A	Р	FIN	S	UK	IS	N	СН	
115.1	189.6	132.8	147.8	141.1	267.5	140.0	119.8	
119.7	206.7	136.7	151.1	146.4	278.1	143.3	124.6	
124.0	220.0	139.7	158.2	148.7	289.5	146.5	128.7	
127.7	231.5	141.2	161.6	152.4	294.0	148.6	129.8	
130.5	241.1	142.6	165.7	157.6	298.8	152.2	132.2	
130.7	243.0	142.9	167.1	158.3	302.1	153.0	132.5	
130.6	243.2	142.5	167.0	158.3	301.0	152.9	132.4	
130.5	242.7	142.4	166.5	159.3	300.8	152.9	132.4	
131.2	243.4	142.6	166.2	158.8	302.1	152.2	132.8	
131.8	245.1	143.1	166.4	159.5	302.6	152.3	133.1	
132.4	246.1	143.3	167.2	160.1	303.1	153.0	133.3	
132.3	248.3	143.5	167.5	161.3	303.6	153,5	133.4	

161.6

161.7

161.1

161.8

162.6

162.6

305.5

305.2

305.5

307.4

308.1

308.3

153.7

153.9

154.5

154.4

155.1

155.7

132.9

133.2

133.0

133.3

133.4

133.6

167.3

166.7

166.3

165.5

166.5

166.4

143.8

143.8

143.7

143.4

143.7

143.9

#### Annual rate of increase (%)

249.5

249.2

249.7

250.4

250.4

250.2

132.1

132.8

134.0

134.8

133.7

133.4p

Α	Р	FIN	S	UK	IS	N	СН	USA	JAP	CAN	eurostat
3.3	10.9	4.3	9.6	5.9	6.8	3.4	5.8	4.2	3.3	5.6	1991
4.0	9.0	2.9	2.6	3.7	4.0	2.3	4.0	3.0	1.7	1.5	1992
3.6	6.4	2.2	4.7	1.6	4.1	2.3	3.3	3.0	1.3	1.8	1993
3.0	5.2	1.1	2.3	2.5	1.6	1.4	0.9	2.6	0.7	0.2	1994
2.2	4.1	1.0	2.9	3.4	1.7	2.5	1.8	2.8	-0.1	2.2	1995
1.9	4.0	0.3	2.7	3.2	2.4	2.3	1.9	2.8	-0.7	2.4	1995 10
1.9	3.9	0.3	2.7	3.1	2.1	2.1	1.9	2.6	-0.7	2.1	11
1.8	3.4	0.3	2.6	3.2	2.0	2.2	1.9	2.5	-0.3	1.7	12
1.7	2.5	0.5	2.0	2.9	1.6	1.2	1.5	2.7	-0.4	1.6	1996 01
1.6	2.5	0.5	1.7	2.7	1.7	0.9	0.8	2.7	-0.2	1.3	02
1.8	2.4	0.6	1.7	2.7	2.0	0.7	0.9	2.8	0.1	1.4	03
1.6	2.9	0.7	1.3	2.4	2.3	1.0	0.9	2.9	0.4r	1.4	04
1.5	3.5	0.8	1.0	2.2	2.8	1.0	0.7	2.9	0.3r	1.5	05
1.6	3.6	0.4	0.8	2.1	2.6	0.9	0.7	2.8	0.0r	1.4	06
1.9	3.9	0.5	0.6	2.2	2.4	1.3	0.7	3.0	0.6r	1.2	07
1.8	3.6	0.4	0.3	2.1	2.6	1.5	0.6	2.9	0.2r	1.4	08
2.0	3.4	0.5	0.2	2.1	2.5	1.3	0.6	3.0	-0.1 <b>r</b>	1.5	09
2.1p	3.0	0.7	-0.1	2.7	2.1	1.7	0.8	3.0	0.1p	1.8	10

n.a. = not available r=revised p=provisional r=revised  $\exists l / l$ 

eurostat

1991

1992

1993

1994

1995

1995 10

11

12 1996 01

02

03

04

05

06

07

08

09

10

CAN

131.4

133.4

135.8

136.1

139.0

139.3

139.6

139.4

139.7

140.0

140.5

140.9

141.3

141.2

141.2

141.3

141.5

141.8

USA

126.6

130.5

134.3

137.8

141.7

142.9

142.8

142.7

143.6

144.0

144.8

145.3

145.6

145.7

146.0

146.3

146.7

147.2

JAP

110.4

112.3

113.8

114.6

114.4

114.4

114.2

114.3

114.2

114.0

114.2

115.0r

115.2r

114.8r

114.7r

114.4r

114.9r

114.5p

# TABLE IV

# CONSUMER PRICE INDICES IN ECU

# 1985=100

eurostat	EUR 15**	ERM**	ECU**	В	DK	D*	GR	E	F	IRL	I	L
1991	124.7	123.4	122.2	121.9	125.8	120.4	122.9	145.5	117.1	113.0	132.1	119.6
1992	128.2	128.1	126.8	126.7	130.1	127.1	129.9	149.6	122.1	117.6	133.9	125.2
1993	128.2	132.5	131.0	133.8	135.5	137.3	136.7	139.3	128.7	113.6	121.0	133.3
1994	131.1	135.6	134.6	139.8	139.1	142.0	141.3	136.4	131.8	117.0	120.9	139.0
1995	132.8	140.7	138.0	146.0	146.2	148.5	146.8	139.3	135.4	116.8	114.3	145.8
1995 10	133.7	141.5	138.8	146.4	148.2	149.1	148.8	141.3	136.0	116.9	116.2	146.5
11	134.0	141.9	138.9	146.5	148.4	148.7	148.1	142.4	137.5	116.3	117.6	146.2
12	134.6	142.0	139.2	146.2	148.0	148.8	149.2	143.9	137.4	116.8	119.5	146.0
1996 01	135.1p	142.3p	139.5p	146.9	147.5	148.3	149.0	145.6	137.9	117.8	121.8p	145.7
02	135.7p	142.6p	140.0p	147.1	148.2	149.0	147.8	145.9	137.8	118.0	123.4p	145.7
03	136.5p	143.0p	140.5p	146.9	148.9	148.7	154.1	146.2	138.9	118.0	125.2p	145.7
04	137.4p	143.1p	140.9p	146.4	148.6	148.1	157.9	147.7	139.7	119.6	127.4p	145.5
05	138.1p	142.8p	141.1p	145.4	148.4	147.7	160.3	147.4	139.7	121.1	130.2p	144.9
06	138.4p	142.4p	141.1p	145.2	148.3	147.7	161.6	145.6	139.2	122.0	131.2p	144.5
07	138.2p	142.8p	141.3p	146.2	148.3	148.4	157.9	145.7	139.3	122.5	130.5p	144.7
08	138.1p	143.0p	141.3p	147.1	148.9	148.9	156.8	146.3	138.4	121.9	130.2p	145.4
09	138.9p	142.8p	141.6p	146.3	149.5	148.1	161.6	146.9	138.6	123.1	131.7p	144.9
10	139.5p	142.5p	141.8p	145.7	149.5	147.2	164.2	146.3	139.1	124.1	132.6p	144.4

## Annual rate of increase (%)

eurostat	EUR 15**	ERM**	ECU**	В	DK	D*	GR	E	F	IRL	1	L
1991	5.0	4.0	4.4	3.7	1.7	3.7	6.9	6.7	2.3	3.1	5.5	3.6
1992	2.9	3.8	3.8	4.0	3.4	5.6	5.8	2.9	4.2	4.1	1.4	4.7
1993	0.0	3.4	3.3	5.7	4.2	8.1	5.3	-6.9	5.4	-3.4	-9.5	6.5
1994	2.3	2.3	2.8	4.5	2.7	3.4	3.4	-1.9	2.4	3.1	0.0	4.3
1995	1.2	3.8	2.5	4.4	5.1	4.6	3.9	2.1	2.7	-0.2	-5.4	4.9
1995 10	1.4	3.4	2.4	3.8	5.3	4.3	3.4	2.7	2.3	-0.7	-3.0	4.1
11	1.6	3.6	2.5	3.6	5.0	3.8	3.0	3.4	3.5	-1.2	-1.4	3.5
12	2.0	3.7	2.5	3.2	4.8	3.5	2.8	4.9	3.8	-1.0	0.8	3.0
1996 01	2.4p	3.4p	2.4p	2.9	4.3	2.2	3.2	7.4	3.7	-0.4	3.0p	2.1
02	2.7p	2.9p	2.4p	2.1	4.0	1.6	3.3	7.0	3.2	0.8	5.4p	1.2
03	4.4p	2.2p	2.4p	0.3	3.5	-0.5	6.3	9.8	3.6	3.1	16. <b>1</b> p	-0.5
04	5.0p	1.5p	2.3p	-0.6	1.3	-1.2	7.7	8.6	3.1	3.4	21.4p	-1.1
05	4.6p	1.5p	2.3p	-0.7	0.6	-1.1	8.5	5.9	4.2	3.8	17.3p	-1.2
06	4.5p	0.9p	2.1p	-1.0	0.6	-1.2	8.3	3.9	3.3	4.7	17.4p	-1.5
07	4.4p	1.0p	2.2p	-0.6	1.0	-0.7	9.0	3.4	2.8	4.9	15.6p	-1.2
08	3.3p	1.3p	2.0p	0.7	1.7	0.4	8.0	3.4	1.4	3.5	11.2p	0.2
09	3.5p	1.2p	2.0p	0.4	1.5	0.0	8.6	4.0	1.5	4.3	11.6p	-0.2
10	4.3p	0.7p	2.2p	-0.5	0.9	-1.3	10.3	3.5	2.3	6.2	14.1p	-1.4

p=provisional

\* New Consumer Price Indices series for Germany, backdated, taking into account German reunification on 3 October 1990.

\*\* These aggregates are new series, backdated, taking into account the new German CPI and incorporating new weights for Germany.

# TABLE IV

# CONSUMER PRICE INDICES IN ECU

# 1985=100

NL	A	Р	FIN	S	UK	is	N	сн	USA	JAP	CAN	eurostat
117.7	124.7	137.9	124.8	128.8	118.5	n.a.	113.7	125.4	77.7	119.9	96.0	1991
123.3	131.7	153.8	110.9	131.0	117.2	n.a.	116.0	127.2	76.4	123.6	88.2	1992
132.3	142.4	152.1	98.0	113.2	112.2	n.a.	114.8	138.1	86.9	158.3	92.9	1993
137.1	147.5	152.8	107.2	115.1	115.6	n.a.	115.5	148.6	87.9	170.4	86.8	1994
143.7	154.9	159.7	117.3	116.0	111.9	n.a.	119.6	158.7	82.1	168.7	80.1	1995
144.9	155.3	160.4	118.9	120.7	111.2	n.a.	120.8	162.3	81.9	155.0	80.9	1995 10
144.5	154.8	160.7	119.1	124.7	110.0	n.a.	120.3	162.4	81.7	152.9	80.6	11
143.8	154.3	160.0	118.2	125.5	110.6	n.a.	120.0	161.8	82.9	155.4	80.7	12
143.8	154.6	161.5	116.7	124.7	110.7	n.a.	119.6	161.7	84.2	151.0	81.8	1996 01
144.2	155.2	162.2	114.6	122.4	111.9	n.a.	120.2	160.3	84.7	151.1	81.6	02
145.2	155.6	163.2	114.0	126.3	112.3	n.a.	120.9	161.3	85.6	151.9	83.0	03
144.7	154.6	165.1	112.6	128.6	113.8	n.a.	121.7	160.5	87.1	153.1r	84.8	04
143.8	153.6	165.0	113.8	128.7	115.6	n.a.	122.0	157.6	88.5	156.8r	85.5	05
142.8	154.3	164.3	115.4	129.8	117.1	n.a.	122.4	156.9	88.1	151.8r	85.3	06
143.3	155.9	165.2	115.7	128.5	115.9	n.a.	122.7	157.5	87.0	149.0r	83.9	07
143.9	157.5	166.6	117.1	127.0	115.0	n.a.	122.1	160.3	86.3	149.2r	82.9	08
144.6	155.6	166.7	117.1	128.8	117.5	n.a.	123.2	158.4	87.6	148.7r	84.1	09
144.1	154.3p	167.3	117.4	130.6	120.5	n.a.	124.2	156.6	88.6	146.2p	86.2	10

## Annual rate of increase (%)

NL	Α	Р	FIN	s	UK	IS	N	сн	USA	JAP	CAN	eurostat
3.9	3.4	12.5	1.3	9.9	7.9	n.a.	2.5	5.3	7.4	14.2	10.9	1991
4.8	5.6	11.5	-11.1	1.8	-1.0	n.a.	2.0	1.5	-1.2	3.4	-7.6	1992
7.3	8.1	-1.0	-11.4	-13.5	-3.9	n.a.	-1.0	8.6	14.0	28.3	5.6	1993
3.6	3.6	0.6	9.4	1.7	3.1	n.a.	0.6	7.7	1.4	8.3	-6.5	1994
4.8	5.0	4.6	9.5	0.8	-3.2	n.a.	3.5	6.9	-6.6	-1.0	-7.5	1995
3.9	4.4	3.5	4.8	3.8	-3.3	n.a.	3.5	7.3	-2.0	-7.5	-2.0	1995 10
3.8	4.0	3.3	4.8	7.2	-4.7	n.a.	3.3	8.5	-3.6	-10.2	-3.3	11
3.4	3.6	2.8	4.5	8.0	-5.0	n.a.	2.7	8.5	-4.4	-8.5	-3.8	12
2.8	2.4	2.6	3.0	8.5	-3.9	n.a.	1.5	6.5	-1.3	-9.6	0.9	1996 01
1.9	1.8	2.0	0.1	6,4	-1.9	n.a.	1.5	4.7	0.3	-9.3	0.7	02
0.1	-0.3	1.8	-1.6	12.6	0.7	n.a.	1.1	1.6	5.7	-12.0	7.4	03
-0.6	-1.0	3.1	-3.5	17.2	2.4	n.a.	2.3	-0.1	9.2	-16.7r	9.1	04
-0.6	-1.3	3.2	-3.0	14.6	3.4	n.a.	2.4	-0.7	9.0	-15.1r	6.9	05
-0.9	-1.0	3.3	-1.8	16.0	4.9	n.a.	2.3	-1.4	9.2	-17.5r	8.7	06
-0.3	-0.5	3.8	-1.6	14.8	5.4	n.a.	2.7	-0.1	9.0	-15.0r	6.5	07
0.8	0.8	3.6	-2.0	11.0	2.6	n.a.	1.9	1.7	4.5	-10.7r	1.7	08
0.5	0.5	4.0	-1.7	9.1	3.8	n.a.	2.0	-1.4	4.6	-7.3r	1.6	09
-0.5	-0.7p	4.3	-1.2	8.3	8.4	n.a.	2.8	-3.5	8.2	-5.7p	6.5	10
n.a. = not a	available		p=provisio	nal								

r=revised

r=revised

# TABLE V

# ECU BOND ISSUES (Mio ECU) \*

	TOTAL		Europear	n Union			Non-Europ	ean Unior	1	Domestic**	EURO +
eurostat	EURO	Total	Business sector	Govern- ments	Institu- tions	Total	Business sector	Govern- ments	Organi- sations		DOMESTIC
1989	11 127	6 461	4 400	500	1 561	4 666	4 141	425	100	1 652	12 779
1990	15 040	10 525	3 990	5 000	1 535	4 515	3 565	550	400	2 857	17 897
1991	27 163	19 266	6 581	7 900	4 785	7 897	3 932	3 790	175	3 134	30 297
1992	19 242	11 675	4 870	2 475	4 330	7 567	3 902	2 850	815	4 151	23 393
1993	6 870	5 020	1 565	250	3 205	1 850	250	1 600	0	6 508	13 378
1994	6 485	5 010	1 825	1 300	1 885	1 475	1 075	400	0	7 311	13 796
1995	5 596	5 046	956	3 075	1 015	550	550	0	0	6 784	12 380
1994 IV	1 315	915	350	0	565	400	400	0	0	1 033	2 348
1995 I	2 375	2 075	525	900	650	300	300	0	0	2 939	5 314
11	281	31	31	0	0	250	250	0	0	1 075	1 356
111	2 375	2 375	50	2 175	150	0	0	0	0	2 050	4 425
IV	565	565	350	0	215	0	0	0	0	720	1 285
1996 I	605	605	605	0	0	0	0	0	0	2 073	2 678
11	870	870	315	55	500	0	0	0	0	2 247	3 117
III	1 330	1 330	1 030	0	300	0	0	0	0	1 905	3 235
1996 9	605	605	455	0	150	0	0	0	0	589	1 194
10	165	165	55	60	50	0	0	0	0	1 139	1 304
11	55	55	55	0	0	0	0	0	0	517	572

(\*) Recording based on the payment date

(\*\*) Only domestic issues which can be assimilated with Eurobonds

# TABLE VI

# LAST MONTH'S ECU BOND ISSUES

lssue Payment Date	Borrower & country	Amount Issued (Mio Ecu)	lssue Price	Coupon	Term (years)	Maturity	Yield %	Lead Manager	Listing	Notice
14.11.1996 28.11.1996	France OAT	335	105.07	7	9+5m	25.04.2006	6.26	Auct	PA	FG
14.11.1996 28.11.1996	France OAT	182	100.23	6	7+5m	25.04.2004	5.95	Auct	PA	FG
15.11.1996 12.12.1996	ANTS (UK)	100	101.055	5	4	12.12.2000	4.70	Paribas	LN	
22.11.1996 10.01.1997	CNCA (FR)	100	72.918	zero	6	10.01.2003	5.40	CNCA/KB	LU	IS
28.11.1996 16.01.1997	Crédit Local de France	100	101.40	5.5	5+11m	16.12.2002	5.22	BIL et Crédit Communal de Belgique	LU	CSIS

	Issuers		R	esidual matu	rity in years			Total
eurostat	1550015	< 1	1-3	3-5	5-7	7-10	> 10	i iotai
eurostat	GOV	9 446	30 694	13 782	6 929	9 802	4 750	75 403
29/11/96	SUPRA	2 934	5 290	7 005	1 595	700	600	18 124
23/11/30	Others	5 537	7 907	7 411	1 632	2 381	625	25 493
	Total	17 917	43 891	28 198	10 156	12 883	5 975	119 020
	GOV	10 155	29 208	15 282	6 929	9 285	4 750	75 609
31/10/96	SUPRA	2 799	5 340	5 855	2 845	700	600	18 139
	Others	6 158	7 807	7 511	1 582	2 376	625	26 059
	Total	19 112	42 355	28 648	11 356	12 361	5 975	119 807
	GOV	10 361	28 708	14 468	7 429	8 960	4 750	74 676
30/09/96	SUPRA	3 349	5 040	6 155	2 845	700	600	18 689
	Others	6 494	7 842	6 441	2 842	2 321	625	26 565
	Total	20 204	41 590	27 064	13 116	11 981	5 975	119 930
	GOV	12 526	25 589	19 483	10 746	7 468	4 750	80 562
31/12/95	SUPRA	3 047	5 732	5 150	4 900	700	600	20 129
	Others	6 963	9 954	6 099	4 337	1 438	1 325	30 116
	Total	22 536	41 275	30 732	19 983	9 606	6 675	130 807
	GOV	11 288	20 359	21 093	10 021	10 235	5 750	78 746
31/12/94	SUPRA	2 610	6 359	4 900	5 170	2 200	600	21 839
	Others	9 315	12 235	7 654	5 134	2 177	1 325	37 840
	Total	23 213	38 953	33 647	20 325	14 612	7 675	138 425
	GOV	9 942	22 316	15 040	6 263	9 781	7 048	70 390
31/12/93	SUPRA	3 125	5 457	5 657	3 480	4 360	1 000	23 079
	Others	10 567	16 094	8 254	4 099	3 428	2 426	44 868
	Total	23 634	43 867	28 951	13 842	17 569	10 474	138 337

# TABLE VII OUTSTANDING AMOUNT OF ECU BONDS (IN MILLIONS OF ECU)

GOV = Central governments

SUPRA = Supranational institutions

# TABLE VIII

# TOTAL SECONDARY MARKET TURNOVER AND % OF MARKET TAKEN BY ECU SECURITIES

ा-न7त	Turnove	r in millions of	USD		% of marke	et held by EC	J securities b	y instrument	
eurostat	All	of wh		Eurobonds straights	Others straights	Converti- bles	Floating rate notes	Certificates of deposit	Short- & med. term
		ECU	USD						notes
1991	7 543 435	1 299 480	2 024 440	25.69	11.71	1.26	2.49	4.52	19.30
1992	12 817 697	1 795 023	2 471 247	23.15	8.66	2.76	3.94	6.47	20.83
1993	21 147 243	1 396 407	3 381 535	11.14	3.76	1.78	1.96	6.70	17.22
1994	26 885 805	1 760 679	4 726 177	11.16	3.72	1.20	0.69	0.34	23.65
1995	32 410 622	2 281 559	5 718 454	8.45	4.52	0.77	1.48	0.37	26.95
1995 11	3 032 561	179 864	509 295	6.70	4.12	0.61	2.84	0.00	23.09
12	2 846 058	150 598	493 047	6.02	4.24	0.88	1.96	0.00	17.04
1996 1	3 412 617	197 548	646 640	5.97	4.04	1.66	1.70	0.00	23.92
2	3 694 223	192 959	668 635	5.72	3.69	1.03	1.04	0.00	21.37
3	3 801 201	183 988	675 964	6.27	3. <b>33</b>	1.87	0.76	0.00	21.03
4	3 326 466	170 801	594 006	6.77	3.42	1.02	1.21	0.00	21.04
5	3 547 163	174 424	700 521	5.85	3.55	1.59	1.49	0.00	18.04
6	3 528 860	158 378	626 095	6.03	3.24	0.88	1.17	0.00	16.72
7	3 957 155	182 917	743 007	6.32	2.93	0.58	1.85	0.00	18.72
8	3 604 991	145 558	688 607	5.70	2.84	0.36	1.01	0.00	15.32
9	4 002 420	140 360	699 757	5.12	2.82	0.93	0.74	0.00	11.46
10	4 358 228	188 569	856 512	5.13	3.47	0.59	0.98	0.00	14.06

# TABLE IX

# OPERATION RATES OF THE EMI (CALCULATION MONTH, APPLICABLE THE FOLLOWING MONTH) AND INTEREST RATES AND YIELDS OF ECU INVESTMENTS (%)

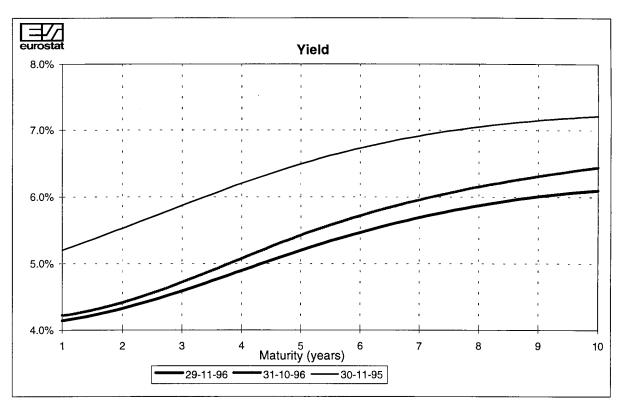
	EMI *	Depo	osits (matu	ırity in mo	nths)			Y	ield on E	CU bond	s (maturi	ty in yea	rs)		
eurostat		1	3	6	12	1	2	3	4	5	6	7	8	9	10
1991	10.10	9.73	9.80	9.84	9.83										
1992	10.29	10.43	10.41	10.27	10.01										
1993	8.21	8.27	7.99	7.65	7.11	7.30	6.89	6.75	6.79	6.92	7.05	7.15	7.21	7.23	7.20
1994	5.92	5.95	5.98	6.05	6.21	6.34	6.76	6.99	7.12	7.22	7.37	7.53	7.64	7.67	7.54
1995	5.88	5.85	5.90	5.98	6.15	6.23	6.66	6.99	7.25	7.46	7.63	7.76	7.84	7.88	7.86
1995 6	6.00	6.08	6.08	6.10	6.20	6.27	6.66	6.97	7.22	7.41	7.55	7.65	7.72	7.77	7.82
7	6.00	5.96	5.96	5.99	6.12	6.18	6.60	6.93	7.19	7.41	7.60	7.74	7.82	7.83	7.74
8	5.75	5.73	5.73	5,75	5.83	5.89	6.31	6.66	6.94	7.17	7.36	7.50	7.5 <del>9</del>	7.64	7.65
9	5.50	5.47	5.47	5.47	5.52	5.59	5.97	6.35	6.69	6.99	7.22	7.39	7.51	7.59	7.63
10	5.50	5.66	5.66	5.66	5.67	5.66	6.05	6.45	6.82	7.13	7.37	7.54	7.66	7.73	7.78
11	5.75	5.43	5.42	5.41	5.40	5.39	5.76	6.13	6.46	6.75	6.99	7.16	7.29	7.37	7.41
12	5.25	5.31	5.22	5.16	5.12	5.12	5.43	5.76	6.10	6.39	6.62	6.79	6.92	7.03	7.14
1996 1	5.25	4.83	4.75	4.70	4.68	4.69	4.95	5.29	5.67	6.00	6.25	6.44	6.59	6.74	6.92
2	4.75	4.62	4.57	4.53	4.54	4.54	4.98	5.41	5.81	6.15	6.42	6.65	6.83	7.00	7.16
3	4.50	4.56	4.54	4.54	4.61	4.63	5.17	5.65	6.06	6.40	6.66	6.85	7.01	7.17	7.34
4	4.50	4.38	4.35	4.34	4.41	4.50	4.93	5.37	5.78	6.14	6.41	6.61	6.77	6.91	7.05
5	4.25	4.31	4.24	4.23	4.29	4.37	4.82	5.28	5.71	6.08	6.37	6.59	6.77	6.91	7.04
6	4.25	4.35	4.34	4.35	4.49	4.58	5.03	5.44	5.82	6.15	6.45	6.70	6.89	7.01	7.07
7	4.25	4.33	4.34	4.37	4.53	4.59	5.02	5.42	5.78	6.10	6.38	6.62	6.80	6.92	6.99
8	4.25	4.28	4.29	4.32	4.44	4.56	4.90	5.28	5.67	6.02	6.30	6.51	6.68	6.81	6.92
9	4.25	4.14	4.15	4.17	4.28	4.38	4.66	5.03	5.42	5.78	6.07	6.30	6.47	6.61	6.72
10	4.00	4.06	4.06	4.07	4.12	4.20	4.36	4.66	5.03	5.39	5.69	5.93	6.12	6.27	6.39
11	4.00	4.07	4.07	4.09	4.15	4.23	4.41	4.70	5.03	5.36	5.63	5.86	6.04	6.19	6.32

(\*) See explanatory notes

## DAILY RATES

	Depo	osits (matu	ırity in mo	nths)			Y	ield on E	CU bond	s (maturi	ty in yea	rs)		
eurostat	1	3	6	12	1	2	3	4	5	6	7	8	9	10
1.11.96	4.06	4.06	4.09	4.16	4.26	4.42	4.72	5.07	5.42	5.72	5.96	6.15	6.31	6.44
4.11.96	4.07	4.08	4.11	4.17	4.29	4.48	4.78	5.13	5.47	5.76	5.99	6.19	6.34	6.47
5.11.96	4.10	4.13	4.13	4.19	4.26	4.46	4.75	5.09	5.43	5.72	5.95	6.14	6.28	6.38
6.11.96	4.06	4.06	4.09	4.14	4.25	4.42	4.70	5.04	5.38	5,66	5.89	6.08	6.24	6.38
7.11.96	4.06	4.06	4.09	4.17	4.24	4.42	4.70	5.04	5.38	5.66	5.89	6.08	6.22	6.34
8.11.96	4.06	4.06	4.08	4.14	4.25	4.43	4.72	5.06	5.39	5.67	5.89	6.07	6.23	6.36
11.11.96	4.06	4.06	4.09	4.14	4.21	4.41	4.71	5.06	5.39	5.67	5.90	6.09	6.28	6.47
12.11.96	4.06	4.06	4.09	4.14	4.24	4.42	4.71	5.05	5.39	5.67	5.89	6.08	6.23	6.36
13.11.96	4.06	4.06	4.09	4.16	4.24	4.42	4.71	5.05	5.39	5.66	5.89	6.07	6.23	6.37
14.11.96	4.06	4.06	4.09	4.15	4.21	4.42	4.71	5.04	5.36	5.64	5.87	6.05	6.20	6.31
15.11.96	4.06	4.06	4.09	4.16	4.18	4.39	4.69	5.02	5.35	5.62	5.85	6.03	6.17	6.29
18.11.96	4.06	4.06	4.07	4.13	4.20	4.36	4.64	4.98	5.31	5,58	5.81	5.99	6.14	6.27
19.11.96	4.06	4.06	4.06	4.13	4.15	4.36	4.65	4.99	5.31	5.58	5.80	5.98	6.13	6.26
20.11.96	4.06	4.06	4.08	4.13	4.20	4.39	4.69	5.03	5.36	5.63	5.84	6.02	6.17	6.32
21.11.96	4.06	4.06	4.09	4.16	4.26	4.43	4.71	5.04	5.36	5,63	5.85	6.02	6.17	6.31
22.11.96	4.06	4.07	4.09	4.16	4.24	4.43	4.71	5.04	5.35	5.62	5.84	6.02	6.17	6.30
25.11.96	4.06	4.06	4.09	4.16	4.24	4.43	4.71	5.04	5.35	5.62	5.83	6.01	6.16	6.29
26.11.96	4.06	4.07	4.09	4.16	4.23	4.39	4.66	5.00	5.32	5.59	5.81	5.98	6.13	6.27
27.11.96	4.06	4.06	4.09	4.15	4.21	4.39	4.67	5.00	5.31	5.58	5.79	5.96	6.12	6.28
28.11.96	4.13	4.07	4.09	4.16	4.23	4,39	4.66	4.98	5.31	5.57	5.78	5.96	6.12	6.27
29.11.96	4.11	4.07	4.09	4.13	4.15	4.33	4.59	4.89	5.20	5.47	5.69	5.87	6,01	6.10





**GRAPH 4: EVOLUTION OF ECU YIELDS** 

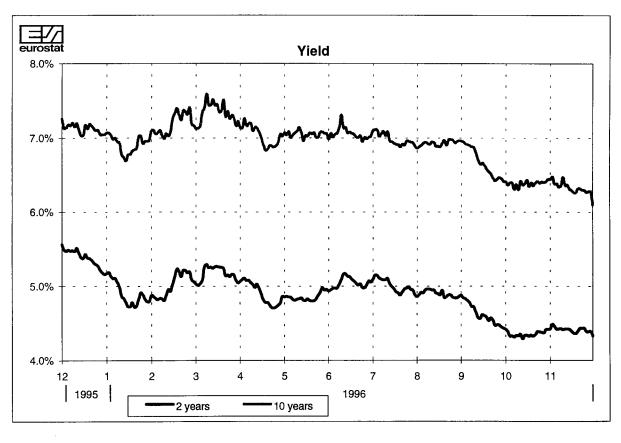


TABLE X	
CENTRAL BANK INTERE	ST RATES

	. DAN			AIL3				r		<u> </u>			00			
	DR	B AUCT	AR	CR	DR	DK REPO	CD	DR	LR	D	3D TB	DR	GR LR	OR	REPO	AR
eurostat		AUUT		011	Diri			S AT TH		•	00 10					<u></u>
11/05	2 50	2.05	5 20	3.95	4 75	5.00		3.50			4 50	19 50	22.00	27.00	0.25	9.30
11/95	3.50	3.95	5.20		4.75		5.00		5.50	3.98	4.50	1	22.00 21.50		9.25	
12/95 01/96	3.00	3.75 3.55	5.00 4.65	3.75 3.40	4.25 4.00	4.60 4.35	4.60 4.35	3.00 3.00	5.00 5.00	3.75 3.55	4.50 4.50		21.50		9.00 8.75	9.05 8.80
01/96	3.00 3.00	3.30	4.05	3.30	4.00	4.35	4.35	3.00	5.00	3.30	4.50		21.50		8.75	8.80
02/90	3.00	3.30	4.55	3.30	3.75	4.00	4.00	3.00	5.00	3.30	4.50		21.50		8.25	8.35
04/96	2.50	3.30	4.55	3.30	3.25	3.80	3.80	2.50	4.50	3.30	3.10		21.00		7.75	7.85
05/96	2.50	3.20	4.45	3.20	3.25	3.80	3.80	2.50	4.50	3.30	3.10		21.00		7.50	7.60
06/96	2.50	3.20	4.45	3.20	3.25	3.70	3.70	2.50	4.50	3.30	3.10		21.00		7.25	7.35
07/96	2.50	3.20	4.45	3.20	3.25	3.70	3.70	2.50	4.50	3.30	3.10		21.00		7.25	7.35
08/96	2.50	3.00	4.25	3.00	3.25	3.50	3.50	2.50	4.50	3.00	3.10		21.00		7.25	7.35
09/96	2.50	3.00	4.25	3.00	3.25	3.50	3.50	2.50	4.50	3.00	3.10	17.50	21.00	26.00	7.25	7.35
10/96	2.50	3.00	4.25	3.00	3.25	3.50	3.50	2.50	4.50	3.00	3.10	17.50	21.00	26.00	6.75	6.85
11/96	2.50	3.00	4.25	3.00	3.25	3.50	3.50	2.50	4.50	3.00	3.10	17.50	21.00	26.00	6.75	6.85
						R	ECENT	ACTU	AL CHA	NGES						
01.10.96																
02.10.96																7.38
03.10.96															6.75	6.85
04.10.96																
07.10.96																
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Please see explanatory notes at the end of the publication for the key to the various rates. Data series with the same abbreviation are not necessarily internationally comparable.

			NTERE	ST RAT	res		r ·										
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4.80	6.10	7.00	9.00	10.50	10.52	:	3.60	3.25	3.50	5.25	4.05	8.750	11.00	8.25	8.250	8.750	11/95
4.45	5.85	6.50	9.00	10.50	10.50	:	3.40	2.75	3.00	5.25	3.75	8.500	10.50	7.75	7.750	8.501	12/95
4.20	5.60	6.50	9.00	10.50	9.88	:	3.20	2.75	3.00	5.25	3.65	8.250	10.50	7.75	7.750	8.250	01/96
3.90	5.60	6.50	9.00	10.50	10.01	:	3.00	2.75		5.25		8.000	10.50	7.75	7.750	8.000	02/96
3.80	5.50	6.50	9.00	10.50	9.98	:	2.90	2.50	1	5.25		7.800	10.25	7.50	7.500	7.900	03/96
3.70	4.90	6.25	9.00	10.50	9.32	:	2.70	2.00		4.75		7.500	9.00	6.80	6.800	7.500	04/96
3.70	4.90	6.25	9.00	10.50	9.38	9.29	2.60	2.00	1	4.75		7.500	9.00	6.80	6.800	7.500	05/96
3.60	4.90	6.25	9.00	10.50	8.75	9.29	2.60	2.00		4.75		7.500	9.00	6.80	6.800	7.500	06/96
3.55	4.90	6.25	8.25 8.25	9.75 9.75	8.70 8.58	9.29 9.29	2.70 2.50	2.00 2.00		4.75 4.75		7.500 7.500	9.00 9.00	6.80	6.800	7.500	07/96
3.35 3.25	4.75 4.75	6.25 6.25	8.25	9.75	8.22	9.29 9.29	2.50	2.00	1	4.75		7.250	9.00	6.80 6.80	6.800 6.800	7.500 7.250	08/96 09/96
3.25	4.75	6.25	7.50	9.00	8.22	8.61	2.50	2.00	1	4.75		7.000	9.00	6.80	6.800	7.250	10/96
3.20	4.75	6.25	7.50	9.00	8.01	8.08	2.50	2.00	1	4.75		:	:				11/96
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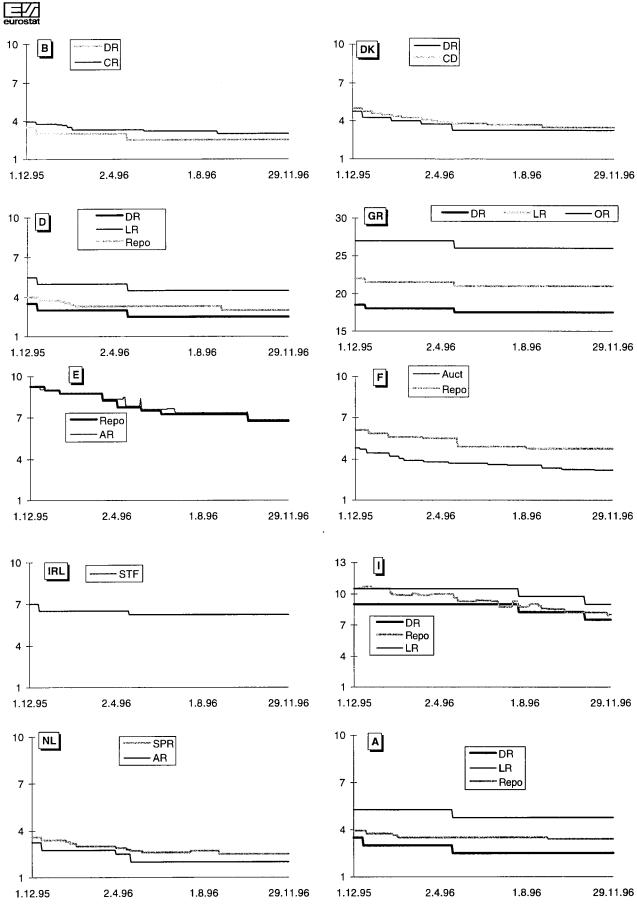
TABLE X CENTRAL BANK INTEREST RATES

Please see explanatory notes at the end of the publication for the key to the various rates. Data series with the same abbreviation are not necessarily internationally comparable.

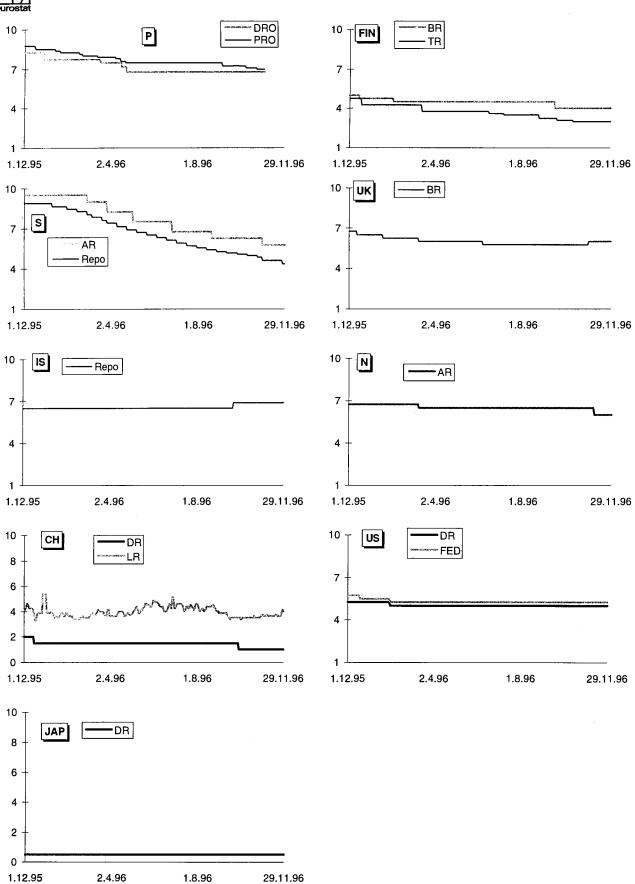
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11/95	5.00	4.75	6.75	7.00	9.50	8.91	9.40	6.75	5.60	6.50	4.40	6.75	2.00	4.375	1	5.75	0.50
12/95	4.75	4.25	6.75	7.00	9.50	8.91	9.40	6.50	5.60	6.50	4.40	6.75	1.50	5.375	5.25	5.50	0.50
01/96	4.75	4.25	6.25 6.25	6.00 6.00	9.50 9.00	8.45 8.05	8.40 8.30	6.25 6.25	5.60 5.60	6.50 6.50	4.40 4.40	6.75 6.75	1.50 1.50	3.875 3.500	5.00 5.00	5.25 5.25	0.50 0.50
02/96 03/96	4.50 4.50	4.25 3.75	6.25 5.75	6.00	9.00 8.25	8.05 7.40	8.30 7.90	6.00	5.60	6.50 6.50	4.40	6.50	1.50	4.125	5.00	5.25 5.25	0.50
04/96	4.50	3.75	5.75	5.50	8.25	6.90	7.75	6.00	5.60	6.50	4.40	6.50	1.50	3.750	5.00	5.25	0.50
05/96	4.50	3.75	5.75	5.50	7.50	6.50	7.75	6.00	5.60	6.50	4.40	6.50	1.50	4.875	5.00	5.25	0.50
06/96	4.50	3.60	5.60	5.50	6.75	6.10	7.25	5.75	5.60	6.50	4.40	6.50	1.50	5.125	5.00	5.25	0.50
07/96	4.50	3.50	5.50	4.50	6.75	5.55	7.25	5.75	5.60	6.50	4.40	6.50	1.50	4.625	5.00	5.25	0.50
08/96	4.50	3.25	5.25	4.50	6.25	5.25	7.25	5.75	5.60	6.50	4.40	6.50	1.50	4.000	5.00	5.25	0.50
09/96	4.00	3.10	5.10	4.50	6.25	5.05	6.95	5.75	5.60	6.90	5.70	6.50	1.00	3.500	5.00	5.25	0.50
10/96	4.00	3.00	5.00	3.50	5.75	4.60	6.05	6.00	6.00	6.90	5.70	6.50	1.00	3.750	5.00	5.25	0.50
11/96	4.00	3.00	5.00	3.50	5.75	4.35	6.05	6.00	6.00	6.90	5.70	6.00	1.00	4.000	5.00	5.25	0.50
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28.11.96						4.00								4.125			
29.11.96														4.000			

TABLE X CENTRAL BANK INTEREST RATES

Please see explanatory notes at the end of the publication for the key to the various rates. Data series with the same abbreviation are not necessarily internationally comparable.



# EVOLUTION OF CENTRAL BANK INTEREST RATES OVER THE LAST 12 MONTHS



# EVOLUTION OF CENTRAL BANK INTEREST RATES OVER THE LAST 12 MONTHS

20

# **EXPLANATORY NOTES**

### Exchange rate grid (Table I)

The intervention limit rates fixed in the official grid do not always correspond exactly to + or - 15 % of the central rates, since for each currency pair (whose exchange rates are inversely proportional to one another) the lower limit of one corresponds to the upper limit of the other.

# Bilateral fluctuations of the ERM currency (Graph 1 on page 5)

The daily market exchange rates of all currencies are compared with the relevant bilateral central rates and the differentials between the two calculated.

The graph is divided symmetrically by a horizontal axis along which the points would be plotted if all currencies were at their bilateral central rate and there were therefore no fluctuations.

The curves are drawn by linking the daily points showing the relative positions of each currency. These should be compared in pairs. To find the differential between two currencies, subtract the (positive or negative) values along the y-axis corresponding to each currency.

The graph is drawn with the curve of the stronger currency above that of the weaker. It shows therefore the relative position of each currency vis-à-vis the other currencies.

When two curves intersect or merge over a period of time there is no differential between the two currencies and their market exchange rate equals their bilateral central rate.

The maximum fluctuation recorded between two currencies is shown within the band, symmetrical with the horizontal axis. The fluctuations of the other currencies in relation to either of the two currencies in question are shown within the maximum fluctuation.

## The divergence indicator (Graph 2 on page 5)

The divergence indicator (DI) measures the degree of movement of a specific EMS currency against its maximum divergence spread. In effect, the DI is a mechanism which detects the EMS currencies that deviate upwards or downwards from the Community average as represented by the ECU.

For a given currency the divergence indicator is obtained:

- (i) first by calculating the appreciation or depreciation of the market rate of the ECU in terms of that currency against its ECU-related central rate;
- (ii) and then by comparing the result obtained with the maximum divergence spread (MDS), which is the intervention limit, corrected by the weight of each currency in the basket in such a way that an increase in the weight of a currency reduces its maximum divergence spread.

In order to permit a comparison of movements in the divergence indicators for each of the EMS currencies, the MDS is expressed as an index number ranging between +/-100. At an absolute index number of 75, a currency reaches its divergence threshold. When a currency crosses its "threshold of divergence", this results in a presumption that the authorities concerned will correct this situation by taking adequate measures.

## ECU exchange rates (Table II)

The exchange rates for the ECU against the national currencies of the member states of the Community, the USD and yen are shown as annual averages, monthly averages (for the current year), and daily rates (for the latest available month).

# Consumer price indices in national currency (Table III)

The consumer price indices in the national currency of each country measure changes in the purchasing power of one unit of national currency spent in the country concerned.

Two composite indices are calculated, covering all the member states of the Community (EUR 15) and the 10 member states with currencies participating in the European Monetary System exchange rate mechanism (ERM). (Although the peseta has been participating in the exchange rate mechanism since 19/06/89 and has been included in the calculation of the ECU since 21/09/89, it is only taken into account in the indices relating to the ERM which are included in this bulletin for data after 30/09/89.)

These indices are calculated as weighted arithmetic means (chain indices) of the national indices, the weighting for each member state being its relative share in the final consumption of households of the group of countries in question (EUR 15, ERM), expressed in purchasing power standards, at current prices and purchasing power parities.

### Consumer price indices in ECUs (Table IV)

For each country the index of consumer prices in ECUs is calculated by multiplying the national consumer price index by the average movement of the national currency in relation to the ECU during the month. It measures the change in the purchasing power of one ECU in the country concerned.

Three composite indices are calculated, the first covering all the member states of the Community (EUR 15), the second covering 10 member states participating in the European Monetary System exchange rate mechanism (ERM), and the third covering the 12 member countries whose currencies go to make up the ECU. (Although the peseta has been participating in the exchange rate mechanism since 19/06/89 and has been included in the calculation of the ECU since 21/09/89, it is only taken into account in the indices relating to the ERM which are included in this bulletin for data after 30/09/89).

These three indices are calculated as weighted arithmetic means (chain indices). The weightings are defined as follows: for the EUR 15 and ERM indices, the relative share of each member state in the final consumption of households for the group of countries in question (EUR 15 or ERM), expressed in ECUs at current prices and exchange rates (annual weighting). For the ECU index, the relative share of each member state's currency in the calculation of the ECU (monthly weighting).

## ECU bond issues (Tables V & VI)

In table V, issues are recorded as at the payment date. This bulletin covers ECU issues in the Eurobond market, which includes international and foreign issues and domestic issues which can be assimilated with Eurobond issues. More specifically, the domestic issues should be free of withholding tax in the hands of non-residents and subject to similar clearing and settlement procedures. This includes ECU issues offering the option of conversion into other currencies. Main source: International Financing Review.

Table V shows, under the headings:

- Business sector and Governments: national issuers, both private and public.
- Institutions: the European Investment Bank and the Commission of the European Communities (EEC, ECSC, Euratom).
- Organizations: the specialist institutions of the United Nations, the World Bank, the Council of Europe, etc....

Table VI shows detailed information on the latest known issues, irrespective of the payment date.

# Outstanding amount of ECU bonds (Table VII)

This table shows the bonds in ECUs outstanding at the end of the last three months and at the end of the last three years. These statistics are taken from a particularly comprehensive database and measure the volume of ECU bonds in circulation. The overall figure is broken down in two ways - by residual maturity and by type of issuer.

# Total of the secondary market turnover and % of market taken by ECU securities (Table VIII)

This table shows the volume of transactions on securities conducted by the international clearing houses Cedel and Euroclear. The market shares of the various types of instrument are calculated. These statistics do not cover all transactions throughout the world, since internal movements are not included. They do, however, give a realistic idea of market developments.

# Interest rates and yields on ECU investments (Table IX)

The interest rates for 1, 3, 6 and 12 months deposits are calculated on the basis of the London market rates LIBID as follows:

- until October 1993: source: Financial Times, Friday rate.
- from November 1993: source : Bank of England, British Banker's Association, daily rates.

The yields of ECU bonds at 1 - 10 years are those provided by Eurostat's yield curve. These are redemption yields. Eurostat's yield curve, which portrays the interest rate structure of maturities ranging from 1 to 10 years, is based on highest quality issues with a triple-A rating of at least ECU 500 million outstanding, with a very high liquidity (bidoffer spread less than 50 basis points). The curve is calculated daily by fitting a third order polynomial function by regression to the price/yield values of bonds provided by ISMA (International Securities Market Association, London). These values reflect the mean of bid and offer prices communicated by a comprehensive range of financial institutions. The monthly figures included in the table are the arithmetic average of daily figures and the yearly figures are the arithmetic average of daily figures.

# **Operation rates of the EMI (Table IX)**

The interest rate for transactions of the EMI (European Monetary Institute) in ECUs is the weighted average of the most representative rates on the domestic money market of the countries whose currencies make up the ECU basket. It is based on the weighting of the currencies in the ECU basket as derived from the ECU central rates in force. The rate thus calculated for a given month applies to EMI transactions for the following month. In table VII, this rate relates to the month upon which the calculations are based and not to the (following) month during which it is used by the EMI.

## ECU yield curve

These graphs show the trend in yields on ECU bonds. Graph 3 shows the ECU yield for bonds due at the end of the last month, at the end of the preceding month and one year previously. Graph 4 shows the development in yields for maturities of 2 and 10 years over the last 12 months. The difference between these two curves reflects the gradient of the rates curve.

# Central Bank Interest Rates in the EEA countries, in the US, Japan and Switzerland (Table X)

## BELGIUM

## Official intervention rates:

**Discount rate (DR)**: rate at which credit institutions can discount commercial paper at the BNB within the ceilings fixed individually according to balance sheet items.

**1-week credit granted by tender (AUCT):** rate at which the BNB grants cash by tender to credit institutions. The duration of these loans is generally 1 week but can be longer under particular circumstances.

Advances to meet daily deficits (AR): rate at which credit institutions receive money from the BNB within quotas which vary between credit institutions according to balance sheet items and to turnover in the secondary market for government debt-securities.

**Central Bank rate (CR):** rate at which Primary dealers<sup>1</sup> receive overnight money, up to a fixed maximum which is the same for each Primary dealer, from the BNB. This rate will be the next rate applied to the 1-week credit granted by tender.

## DENMARK

### Intervention rates:

**Discount rate (DR):** indicative rate which is not attached to any facility with the Danmarks Nationalbank. Within quotas based on the size of the individual bank, deposits on banks' current account with the Danmarks Nationalbank are remunerated by the folio rate. This rate has been equal to the discount rate since the introduction of the present liquidity instruments in April 1992.

**Certificates of deposit (CD)**: rate on 14-day certificates of deposit issued on the last banking day of each week by the Nationalbank.

**Repurchase agreements (REPO):** rate at which the banks have access to enter into 14-day repurchase agreements in government paper with the Nationalbank. These transactions take place on the penultimate banking day of each week, affecting bank liquidity the following day. The interest rate on repos has equalled the rate on CDs since April 1992.

# GERMANY

## Intervention rates:

**Discount rate (DR):** rate at which the Bundesbank discounts eligible trade bills within the limits of the rediscount quotas.

Lombard rate (LR): rate at which the Bundesbank grants loans to banks against certain securities. These loans have

a maturity of up to 90 days and are granted against collateral of government and public sector securities.

**Rate on repurchase agreements (REPO)**: rate applied to the Bundesbank's repurchase facility. The Bundesbank buys bonds eligible as collateral for Lombard loans and short-term Treasury discount paper from those banks subject to minimum reserve requirements. These transactions are usually offered by fixed-rate tender or by variable-rate tender for a period of 14, 28 or 35 days.

## Other rate:

**3-day Treasury bills (3D TB):** rate on bills that can be bought or sold by a specific list of banks. This establishes a floor for the cost of short-term money in addition to the fixed amount provided by the discount window.

## GREECE

## Intervention rates:

**Rediscount rate (DR):** rate at which the Bank of Greece rediscounts commercial bills. This facility is subject to overall quotas which are allocated among credit institutions according to criteria relating to the size of certain balance sheet items.

**Lombard rate (LR):** rate at which the Bank of Greece grants liquidity to banks against collateral of government paper. As for the discount window, this facility is subject to overall quotas which are allocated among credit institutions according to criteria relating to the size of certain balance sheet items.

Rate on overdrafts on banks' current accounts with the Bank of Greece (OR): rate at which credit institutions can cover unexpected liquidity shortages by overdrawing their current accounts with the Bank of Greece.

## SPAIN

#### Intervention rates:

**Short-term credit to banks (REPO)**: marginal auction rate of 10-day repo purchases of Banco de España certificates. The Bank of Spain purchases the certificates (with a resale agreement at the maturity of the operation) from banks and savings banks according to the requirements accepted in the auction.

Rate on overnight loans granted by the Banco de España (AR): this rate is considered as being an unofficial intervention rate, but is often used by the Banco de España as an instrument of its monetary policy. It is the rate at which the Banco de España intervenes in the money market. Market makers are asked to made bids in terms of amounts and rates, and the Bank of Spain decides at which point operations should be closed.

The rate published here is the average weighted rate resulting from the intervention.

Primary dealers are market makers for government linear bonds (OLO) and Treasury certificates.

### FRANCE

#### Intervention rates:

Auction (AUCT): twice a week, the Central Bank invites tenders (against collateral) in order to assess credit institutions' demand for Central Bank money. After a centralisation of the requests, the Central Bank will only allocate a proportion of them. The rate is, in practice, known in advance and is intended as a floor for money market rates.

Sales with repurchase agreements (REPO): rate at which banks get liquidity from the Central Bank against Treasury bills or commercial paper. This emergency facility carries a penality rate that is designed as a ceiling for market rates.

### IRELAND

## Intervention rate:

**Short-term facility rate (STF)**: rate at which the Central Bank grants short-term credits to banks for a period of between 1 day and 1 week.

### ITALY

#### Intervention rates:

**Discount rate (DR)**: rate at which the Banca d'Italia discounts commercial bills.

**Fixed-maturity advances rate (LR)**: rate charged by the Banca d'Italia for advances with a maximum maturity of 32 days against eligible securities for special short-term needs.

# Other rate:

**Repurchase agreements (Repo) and Reverse Repurchase Agreements (R-Repo):** marginal auction rate. The Bank of Italy intervenes when it perceives the need to add or drain liquidity. The choice between repos (Repo) and reverse repos (R-Repo) depends on the structural (debitor or creditor) position of the banking system vis-à-vis the central bank. Foreign currency repos are also conducted, in addition to the securities repos.

### NETHERLANDS

#### Intervention rates:

**Discount rate (DR):** rate at which the Central Bank discounts Treasury paper and approved bills of exchange with a remaining maturity not exceeding 3 months. From 1 January 1994, the Central Bank no longer accepts paper for discounting and thus this rate no longer exists. Data until 12/93 are available on request from Eurostat.

**Rate on special advances (SPR)**: rate charged by the Central Bank to financial institutions for short-term advances.

**Official advance rate (AR):** rate at which advances on current account against collateral are mainly granted, within a certain limit, to registered credit institutions and a number of public and semi-public financial institutions. This rate establishes a floor for money market rates.

**Rate on discount of promissory notes (PRNT):** rate serving as a benchmark for commercial rates. From 1 January 1994, the discount rate on promissory notes is maintained as an interest rate, given its use as a reference rate for legal purposes, but it will no longer be published. It is equal to the prevailing rate on advances plus 0.5 percentage points. Data until 12/93 are available on request from Eurostat.

# AUSTRIA

#### Intervention rates

**Discount rate (DR)**: rate at which the Central Bank rediscounts bills of exchange. To qualify for discounting, the paper presented must fulfil certain eligibility requirements. Refinancing ceilings for individual banks are determined on the basis of specified balance sheet items.

**Lombard rate (LR)**: rate at which the Central Bank grants loans to banks against collateral. Since this rate is a penalty rate, it is higher than both the discount and the Gomex rate.

**Gomex rate (REPO):** rate applied to the Central Bank open market operations. Within each bank's refinancing quota, the Central Bank conducts open market transactions in fixed income securities issued by residents or supranational organisations, denominated in Austrian shillings and listed on the Vienna stock exchange or in cash certificates issued by the central bank.

## PORTUGAL

### Intervention rates:

**Regular rate for liquidity provision (PR R):** rate at which the Banco de Portugal supplies liquidity to the money market. The regular operations take place on the first working day of each regular maintenance period (1 week) and mature in the first working day of the subsequent period. When the regular rate for liquidity provision is suspended, the Banco de Portugal can also conduct operations at a variable rate, which take place on the first working day of the regular maintenance period. These data are not given here but are available from Eurostat.

**Standing facility rate (SFR):** the standing facility refers to liquidity provision operations which mature on the next working day following the day on which transaction takes place, and which take place at the pre-announced rate. The institutions' access to this facility is limited by way of a quota, established on the beginning of each month as a percentage of the total amount of the facility (currently 100 billions of escudos).

**Regular liquidity draining rate (DR R)**: rate at which the Banco de Portugal withdraws liquidity from the money market by selling Treasury bills with repurchase agreement or Central Banks monetary certificates. The regular operations take place on the first working day of each regular maintenance period (1 week) and mature in the first working day of the subsequent period.

## Other rates:

**Occasional operations of liquidity draining** (**DR O**): the Banco de Portugal also conducts occasional operations of liquidity draining with a view to stabilising the money market.

**Occasional operations of liquidity provision** (**PR O**): the Banco de Portugal also conducts occasional operations of liquidity provision with a view to stabilising the money market.

## FINLAND

**Base rate (BR):** the base rate is an administered interest rate set by the Parliamentary Supervisory Board. Its importance has diminished along with the developments of markets in Finland. Nonetheless, it is still of importance since a fairly large proportion of deposits and outstanding loans are tied to it, and these rates are adjusted whenever there is a change in the base rate.

**Tender rate (TR)**: rate determined by tenders held by the Central Bank in which banks are asked to make bids or offers for money market instruments with a maturity of 1 month. The tender rate is a weighted average of accepted bids or offers.

### Other rates:

**Liquidity credit rate (AR):** rate charged to banks by the Bank of Finland for loans with a maturity of 1 day, 7 days, 14 days, 21 days and 28 days. The rate is the sum of the tender rate and the interest rate margin for credit liquidity. The liquidity credit has replaced the overnight facility.

### SWEDEN

#### Intervention rates:

Lending rate (AR): rate at which the Riksbank supplies cash to banks. Each bank has a borrowing facility equivalent to 4% of its capital base; terms for any borrowing in excess of this amount are determined at the discretion of the Riksbank.

#### Other rates:

**Repo rate (Repo):** rate applied to the Riksbank's operations on repurchase agreement. These transactions are usually offered on Tuesdays for a period of 14 days. The repo rate fluctuates in a band between the lending and the deposit rates.

**Discount rate (DR):** from the second quarter of 1992, the discount rate should be regarded solely as a reference rate. It is determined at the beginning of each quarter solely on the basis of interest rates in the preceding quarter. It is computed as a weighted average of the daily market rates for 6-month Treasury discount notes and 5-year government bonds in the preceding quarter less two and a half percentage points, rounded to the nearest whole or half point.

**Rate for industrial bonds (IBR)**: this is an administratively determined interest rate. It is the rate at which industrial bonds with an interest period of 2.5 years are adjusted.

The structure of Swedish central bank rates was changed from 1.6.94. Data on the marginal rate for the period 9.92 to 5.94 are available from Eurostat.

## UNITED KINGDOM

Until 1981, the Bank of England used an official continuously posted rate to signal its interest rate intentions. This was called the Minimum Lending Rate and was the rate at which the Bank of England lent to the discount houses. Since then its intentions have been signalled on most days by the rate at which it purchases bills in bands 1 and 2 (ie up to one month in maturity); otherwise it has tended to announce interest rate changes by posting a Minimum Lending Rate, applying now for one day only.

These operations are used by the Bank of England to signal changes in the key rate in the UK financial market, the commercial banks' **base rate (BR)**. This is a good indicator of the broad level of short-term interest rates.

## ICELAND

**Discount rate (DR)**: Rate on loans within quota. Banks are able to obtain short-term credits within this quota.

**Repurchase agreements (Repo) rates:** rates on 10 day repos, when the Central Bank purchases Treasury bills with a repurchase condition.

**Certificates of deposit (CD) rate:** a fixed rate on 45 day CDs issued by the Central Bank.

### NORWAY

# Intervention rate:

**Overnight lending rate (AR):** rate at which commercial and saving banks can borrow from the Norges Bank on a day to day basis. The ceiling on loans available for each half-month is set in percent of the banks' capital base, excluding subordinated loan capital.

#### SWITZERLAND

**Lombard rate (LR)**: rate at which the Central Bank grants loans to banks against collateral. This rate is a penalty rate against banks which have underestimated their liquidity needs. It is calculated on the basis of the market rates of the two previous days plus 2 points.

**Discount rate (DR):** rate at which the Central Bank discounts bills of exchange, cheques, Treasury bills issued by the Confederation and bills issued by the Cantons and Communes. The maturity of discounted paper may not exceed 6 months.

## **UNITED STATES**

**Discount rate (DR)**: rate at which the Federal Reserve Banks discount eligible paper for, and make advances to, depository institutions.

**Fed Funds rate (FED):** Rate of interest charged on federal funds loaned by and to commercial banks. Owing to the large scale of fed funds borrowings, the rate is regarded by the Federal Reserve as an important determinant of bank liquidity, and is considered as a key rate for implementing monetary policy.

# JAPAN

**Discount rate (DR)**: rate at which the Bank of Japan discounts commercial bills.

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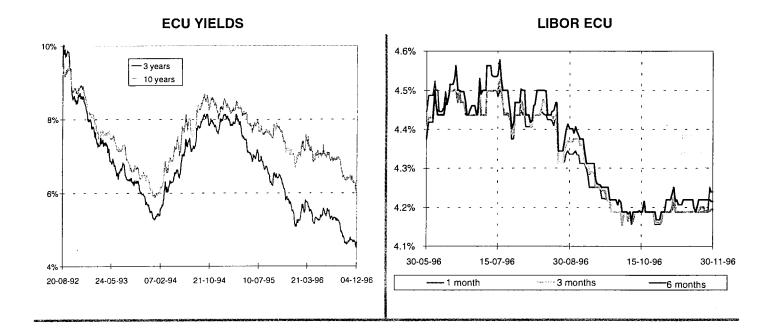
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#### **Central Bank interest rates**

The central banks of France, Sweden and Norway were the only ones to lower their intervention rates during November. The Bank of France, for instance, reduced its rate on tenders by 5 bp to 3.20%. The rate had last been lowered in September. The repo rate remains unchanged since 1 August 1996 at 4.75%.

The Bank of Sweden cut its repo rate for the 24th time since the start of the year. It has now fallen by over 400 bp to 4.35% after standing at 8.91% at the beginning of the year.

Finally, the Norwegian central bank cut its broker loan rate for the first time since March. It is now at 6%. Inflation is still under control in Norway, with an annual rise in consumer prices of 1.3% as against 2.3% one year previously. In the other countries, intervention rates have been kept at levels similar to those in force at the end of October. The Bundesbank Central Council has not changed its intervention rates, namely 2.50% for the discount rate and 4.50% for the Lombard rate, since 19 April last. The repo rate, unofficially considered as the third intervention rate, has been fixed at 3% since August. Money supply M3 rose by an annualised 8.4% in October over the average for the final quarter of 1995. The Bundesbank's objective for 1996 as a whole is a seasonally-adjusted rise in M3 of between 4% and 7% compared with the average for the last quarter of 1995.

(5 December 1996)

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