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EURO STOXX 50: 1997-2005

SHAREHOLDER VALUE CREATION IN EUROPE

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Abstract

2005 was a very good year for the shareholders of the companies in the Euro Stoxx 50. The shareholder value creation of these 50 companies was €292.9 billion. The companies that created most value for their shareholders were Total (€30 billion), Sanofi-Synthelabo (€23.2 billion) and Eni (€20.7 billion). The companies that destroyed most value were telecoms: Deutsche Telekom (-€14.8 billion), France Telecom (-€11.8 billion) and Telecom Italia (-€7.1 billion). In 2005, the Euro Stoxx 50 was slightly more volatile than the S&P 500.

Shareholder value creation in the three-year period 2003-2005 was €551 billion. The market value of the 50 companies included in the Euro Stoxx 50 was €2.1 trillion in 2005, although only €1.8 trillion were included in the index.

SAP was the top shareholder value creator and Deutsche Telekom the top shareholder value destroyer during the eight-year period 1997-2005.

A portfolio long in the companies that entered the index and short in the companies that abandoned the index had on average a 6.85% return in the 20 days prior to the index recomposition and a 0.97% return in the 20 days after the index recomposition.

JEL Classification: G12, G31, M21

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EURO STOXX 50: 1997-2005 SHAREHOLDER VALUE CREATION IN EUROPE

In this paper we quantify shareholder value creation for the 50 companies included in the Euro Stoxx 50 in December 2005. We provide the created shareholder value for 2005, and also for the periods 1997-2005, 1998-2005, 1999-2005, 2000-2005, 2001-2005, 2002-2005, 2003-2005 and 2004-2005. The top shareholder value destroyers in 2005 were: Deutsche Telekom (€14,813 million), France Telecom (-€11,761 million) and Telecom Italia (-€7,067 million). The percentage of value creators was 89%, 72%, 63%, 51%, 12%, 2%, 72%, 58% and 88% for 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004 and 2005.

In section 1 we define created shareholder value. Section 2 has the evolution of the Euro Stoxx 50 index since 1992. Section 3 has the comparison between the Euro Stoxx 50 and another world index. Section 4 has the ranking of created shareholder value and return for the companies in 2005. Section 5 has the ranking of created shareholder value and return from the previous years. Section 6 splits the shareholder value creation by the country to which the 50 companies belong. Section 7 shows the relation between Shareholder Return and size. Section 8 is an analysis of the companies that entered and abandoned the Euro Stoxx 50 since 1997. Section 9 compares the Euro Stoxx 50 with other European and US indexes in terms of volatility and correlation.

Appendix 1 contains the evolution of the market value of the companies in the Euro Stoxx 50 since 1996. Appendix 2 contains the evolution of shareholder value creation since 1997. Appendix 3 shows the evolution of shareholder return since 1997. Finally, Appendix 4 contains the volatility for the 50 companies in the Euro Stoxx 50 in December 2005.

1. Definition of created shareholder value

We define shareholder value created following Fernández (2002, chapter 1). To obtain the created shareholder value, we must first define the increase of equity market value, the shareholder value added, the shareholder return, and the required return to equity.

The equity market value of a listed company is the company's market value, that is, each share's price multiplied by the number of shares. The increase of equity market value in one year is the equity market value at the end of that year less the equity market value at the end of the previous year.

Shareholder value added is the term used for the difference between the wealth held by the shareholders at the end of a given year and the wealth they held the previous year.

The shareholder value added is calculated as follows:

$$\begin{aligned} \text{Shareholder value added} = & \\ & \text{Increase of equity market value} \\ & + \text{Dividends paid during the year} \\ & - \text{Outlays for capital increases} \\ + \text{Other payments to shareholders (discounts on par value, share buy-backs....)} \\ - \text{Conversion of convertible debentures} \end{aligned}$$

The **shareholder return** is the shareholder value added in one year, divided by the equity market value at the beginning of the year.

$$\text{Shareholder return} = \text{Shareholder value added} / \text{Equity market value}$$

The **required return to equity** is the sum of the interest rate of long-term Treasury bonds plus a quantity which is usually called the company's risk premium and which depends on its risk.

$$\text{Required return to equity} = \text{return of long-term treasury bonds} + \text{risk premium}$$

A company creates value for its shareholders when the shareholder return exceeds the required return to equity.

The **created shareholder value** is quantified as follows:

$$\text{Created shareholder value} = \text{Equity market value} \times (\text{Shareholder return} - \text{Ke})$$

As the shareholder return is equal to the shareholder value added divided by the equity market value, the created value can also be calculated as follows:

$$\text{Created shareholder value} = \text{Shareholder value added} - (\text{Equity market value} \times \text{Ke})$$

Consequently, the value created is the shareholder value added above expectations, which are reflected in the required return to equity.

Table 1 shows in simplified form the relationship between three variables, which are sometimes confused: increase of equity market value, shareholder value added, and created shareholder value.

Table 1

Increase of equity market value, shareholder value added, and created shareholder value

<i>Increase of equity market value</i>	$\text{Equity market value}_t - \text{Equity market value}_{t-1}$
<i>Shareholder value added</i>	\downarrow $\text{Increase of equity market value} - \text{payments from shareholders}$ $+ \text{dividends} + \text{repurchases} - \text{conversions}$
<i>Created shareholder value</i>	\downarrow $\text{Shareholder value added} - (\text{Equity market value} \times \text{Ke})$

2. Evolution of the Euro Stoxx 50

Figure 1 shows the evolution of the Euro Stoxx 50 price index since 1992. It stood at 1,000 points in December 1991 and 3,578 in December 2005. The historic maximum value was 5,464 (March 6, 2000).

Figure 1

Evolution of the Euro Stoxx 50 index

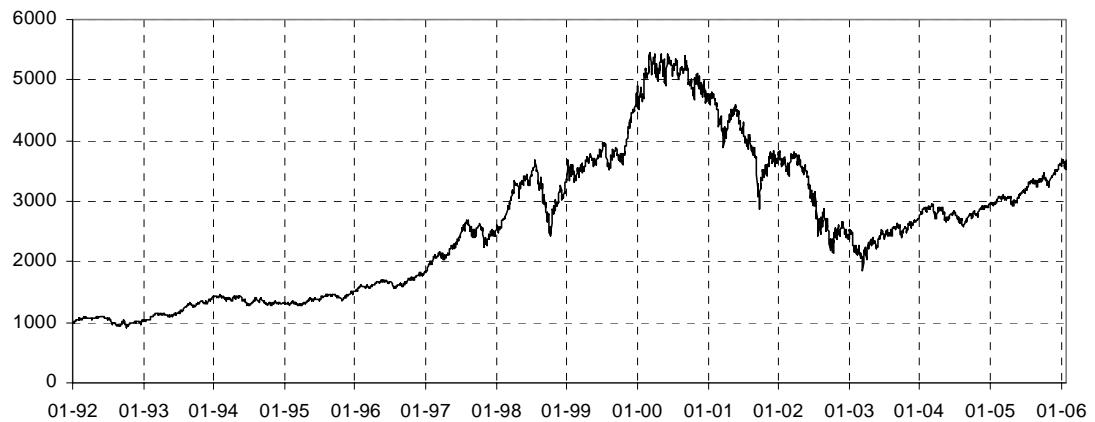


Table 2 contains the evolution of increase of capitalization, shareholder value added and shareholder value creation for the Euro Stoxx 50 since 1993.

Table 2

Increase of capitalization, shareholder value added, and created shareholder value in the Euro Stoxx 50 (€ billion)

Euro Stoxx 50	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	Total
Capitalization	472	441	512	684	1,074	1,529	2,691	2,119	1,796	1,148	1,379	1,536	1,828	
Δ Capitalization	142	-31	71	172	389	454	1163	-571	-322	-647	231	156	291	1,498
Shareholder value added	143	-23	79	135	274	374	743	-45	-405	-648	212	130	373	1,342
Shareholder value creation														
in current euros	97	-75	18	74	197	271	629	-275	-600	-813	116	15	253	-93
in euros of 2005	287	-196	41	154	373	479	1022	-409	-819	-1,024	135	16	253	312
Return (includes dividends.)	44%	-5%	18%	26%	40%	35%	49%	-2%	-19%	-36%	18%	9%	24%	15%
Price Index	1,433	1,321	1,507	1,850	2,532	3,342	4,904	4,772	3,806	2,386	2,761	2,951	3,579	

3. Comparison between Euro Stoxx 50 and other world indexes

Table 3 contains the comparison between the return of the Euro Stoxx 50 and the returns of the main indexes of the main European countries: AEX (Holland), CAC 40 (France), IBEX 35 (Spain), Mibtel 30 (Italy), Xetra-Dax (Germany), FTSE 100 (UK), S&P 500 (USA) and Dow Jones (USA) and the market capitalization in December 2005.

The most profitable index in the whole period was the IBEX 35 and the least profitable was the FTSE 100. The S&P 500 was the biggest in capitalization in 2005.

Table 3

Comparison between the Euro Stoxx 50 and the AEX, CAC 40, IBEX 35, Mibtel 30, Xetra-Dax, FTSE 100, S&P 500 and Dow Jones (returns include dividends).

	Euro Stoxx 50	AEX	CAC 40	IBEX 35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
	Return	Return	Return	Return	Return	Return	Return	Return	Return
1993	44%	49%	26%	63%	52%	47%	25%	10%	17%
1994	-5%	3%	-14%	-10%	2%	-7%	-7%	1%	5%
1995	18%	21%	3%	25%	0%	8%	26%	38%	37%
1996	26%	38%	28%	48%	14%	27%	17%	23%	29%
1997	40%	44%	33%	46%	62%	47%	29%	33%	25%
1998	35%	32%	34%	43%	44%	19%	17%	29%	18%
1999	49%	27%	54%	21%	25%	39%	21%	21%	27%
2000	-2%	-3%	1%	-17%	4%	-8%	-8%	-9%	-5%
2001	-19%	-19%	-20%	-8%	-24%	-20%	-14%	-12%	-5%
2002	-36%	-34%	-32%	-26%	-23%	-44%	-22%	-22%	-15%
2003	19%	8%	20%	30%	17%	37%	18%	29%	28%
2004	9%	7%	11%	21%	21%	7%	11%	11%	5%
2005	24%	31%	27%	19%	18%	27%	21%	5%	2%
93-2005	14%	14%	11%	18%	15%	11%	10%	11%	13%
97-2005	4%	2%	6%	5%	5%	2%	3%	3%	4%
99-2005	-4%	-5%	-2%	1%	0%	-5%	-1%	-1%	1%
Nº companies	50	25	40	35	30	30	100	500	30
Market Capitalization	1,827,777	449,801	821,531	411,712			1,409,757	11,258,048	3,755,050

4. Shareholder value creators and shareholder value destroyers in the Euro Stoxx 50 in 2005

The top shareholder value creator in 2005 was Total SA (€30,003 million). The companies that destroyed most value in 2005 were: Deutsche Telekom (-€14,813 million), France Telecom (-€11,761 million) and Telecom Italia (-€7,067 million).

Table 4 contains the capitalization, shareholder value creation and shareholder return of the 50 companies in 2005. The sum of the capitalization of the 50 companies is higher than the capitalization of the Euro Stoxx 50 that appears in Table 3. This is because the capitalization of the index was not calculated with the whole capitalization of the companies, only with the percentages that appear in the last column.

The three companies in the Euro Stoxx 50 that created most shareholder value in 2005 were French (Total SA, Sanofi-Synthelabo) and Italian (Eni).

Rwe (60%) was the most profitable company. The least profitable company in 2005 was Telecom Italia (-15%). Forty-four companies had positive returns, and all of them created shareholder value. The four least profitable companies were: Telecom Italia (-15%), Deutsche Telekom (-14%), France Telecom (-12%) and Alcatel (-9%). Thirty-three companies had a shareholder return higher than 20% in 2005, and 22 higher than 30%.

Table 4

Capitalization, shareholder value creation and return for the companies of the Euro Stoxx 50 in December 2005

		Capitalization December 2005	CSV 2005		Return 2005		Free Float	Capitalization in the Index
			€	Rank	€	Rank		
TOTAL SA	FRANCE	130.278	1	30.003	1	36%	14	100%
SANOFI-SYNTHELABO	FRANCE	103.656	2	23.208	2	35%	17	78%
ENI	ITALY	93.845	3	20.668	3	35%	15	65%
AXA	FRANCE	60.201	11	16.322	4	55%	2	86%
NOKIA	FINLAND	68.502	5	15.766	5	37%	12	93%
ING GROEP CERTS.	NETHERLANDS	64.601	6	14.897	6	38%	9	84%
E ON	GERMANY	60.474	9	14.547	7	38%	10	96%
SOCIETE GENERALE	FRANCE	45.043	18	12.480	8	45%	4	93%
BNP PARIBAS	FRANCE	57.294	13	12.114	9	33%	20	90%
RWE	GERMANY	32.739	33	11.406	10	60%	1	90%
ALLIANZ	GERMANY	50.797	16	10.995	11	37%	13	100%
BSCH	SPAIN	69.735	4	10.404	12	26%	27	100%
UNICREDITO ITALIANO	ITALY	60.347	10	9.799	13	44%	5	100%
FORTIS	BELGIUM	34.987	28	8.985	14	41%	7	89%
LVMH	FRANCE	36.770	26	7.630	15	35%	16	53%
PHILIPS ELTN.KON	NETHERLANDS	34.547	29	7.509	16	37%	11	100%
BAYER	GERMANY	25.774	38	7.396	17	48%	3	95%
DAIMLERCHRYSLER	GERMANY	43.693	20	6.804	18	27%	25	95%
SUEZ	FRANCE	33.387	30	6.763	19	41%	8	93%
DEUTSCHE BANK	GERMANY	44.542	19	6.615	20	27%	26	100%
SIEMENS	GERMANY	64.515	7	5.611	21	18%	36	94%
AEGON	NETHERLANDS	21.986	41	5.500	22	43%	6	84%
REPSOL YPF	SPAIN	30.119	35	5.467	23	31%	22	82%
BBVA	SPAIN	51.134	15	5.117	24	19%	35	100%
CREDIT AGRICOLE	FRANCE	39.844	24	4.937	25	22%	30	40%
ENDESA	SPAIN	23.525	39	4.796	26	33%	19	96%
BASF	GERMANY	36.020	27	4.618	27	23%	28	96%
DANONE	FRANCE	23.319	40	4.608	28	32%	21	100%
MUNCH.RUCK.	GERMANY	26.259	37	4.541	29	29%	23	90%
GENERALI	ITALY	37.667	25	4.373	30	20%	33	86%
SAP	GERMANY	48.399	17	4.289	31	18%	37	67%
UNILEVER CERTS.	NETHERLANDS	33.066	31	4.090	32	21%	32	100%
SAN PAOLO IMI	ITALY	20.964	42	3.961	33	33%	18	53%
ABN AMRO HOLDING	NETHERLANDS	42.186	21	3.873	34	19%	34	94%
IBERDROLA	SPAIN	20.817	43	3.562	35	28%	24	95%
L'OREAL	FRANCE	41.370	22	2.595	36	14%	42	45%
AIR LIQUIDE	FRANCE	17.727	45	2.359	37	23%	29	100%
CARREFOUR	FRANCE	27.900	36	2.278	38	16%	39	85%
ALLIED IRISH BANKS	IRELAND	15.687	47	1.963	39	22%	31	95%
VIVENDI UNIVERSAL	FRANCE	30.514	34	1.767	40	16%	40	100%
SAINT GOBAIN	FRANCE	17.349	46	1.326	41	17%	38	95%
RENAULT	FRANCE	19.632	44	1.276	42	15%	41	70%
LAFARGE	FRANCE	13.344	49	484	43	11%	44	100%
AHOLD KON.	NETHERLANDS	9.844	50	378	44	11%	43	59%
ALCATEL	FRANCE	13.688	48	-2.485	45	-9%	47	95%
ENEL	ITALY	40.852	23	-3.209	46	-1%	45	69%
TELEFONICA	SPAIN	62.548	8	-5.842	47	-1%	46	89%
TELECOM ITALIA	ITALY	32.891	32	-7.067	48	-15%	50	82%
FRANCE TELECOM	FRANCE	54.593	14	-11.761	49	-12%	48	68%
DEUTSCHE TELEKOM	GERMANY	59.106	12	-14.813	50	-14%	49	65%

Sum

2.128.078

292.902

1.827.617

5. Shareholder return, shareholder value creators and shareholder value destroyers 1997-2005

Table 5 contains the shareholder value creation of the companies of the Euro Stoxx 50 during the eight-year period 1997-2005. Sap was the top shareholder value creator (€81,264 million) and Deutsche Telekom the top shareholder value destroyer (-€87,566 million). The percentages of the companies that created value were 89%, 72%, 63%, 51%, 12%, 2%, 72%, 58% and 88% in 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004 and 2005, respectively.

Table 6 contains the historic shareholder return. In the period 1997-2005, 43 companies had positive shareholder returns. In the period 2001-2005 only 26 companies had positive shareholder returns. Forty-four companies had positive shareholder returns in 2005.

Table 5

Shareholder value creation for the companies in the Euro Stoxx 50 in December 2005

	1997-2005		1998-2005		1999-2005		2000-2005		2001-2005		2002-2005		2003-2005		2004-2005		2005			
	€	Rank	€	Rank	€	Rank	€	Rank	€	Rank	€	Rank	€	Rank	€	Rank	€	Rank		
SAP	81.264	1	31.230	4	22.038	5	8.977	6	20.932	2	14.766	4	32.899	3	-508	43	4.289	31		
TOTAL SA	53.190	2	39.645	1	47.630	1	31.169	2	11.500	3	17.842	2	46.191	1	39.378	1	30.003	1		
ENI	49.806	3	37.071	2	37.084	2	42.920	1	30.019	1	32.642	1	30.588	4	33.395	2	20.668	3		
SANOFI-SYNTHELABO	37.387	4	34.119	3	28.961	4	26.338	3	-2.567	16	-9.944	31	18.867	13	20.248	5	23.208	2		
SOCIETE GENERALE	36.701	5	30.549	5	29.874	3	14.771	4	10.875	4	14.816	3	20.751	11	13.693	9	12.480	8		
BNP PARIBAS	24.379	6	17.592	6	10.720	9	4.146	9	6.807	5	6.272	11	23.360	7	13.296	10	12.114	9		
SIEMENS	23.793	7	8.511	10	12.630	7	-54.452	39	-56.160	42	-23.467	39	22.128	8	381	39	5.611	21		
PHILIPS ELTN.KON	18.805	8	4.492	13	6.326	11	-37.405	35	-42.280	37	-25.576	42	7.624	33	-931	44	7.509	16		
DANONE	13.570	9	7.503	11	-839	17	1.689	11	-6.300	19	502	21	3.667	38	4.386	27	4.608	28		
ING GROEP CERTS.	12.891	10	-339	20	-17.069	28	-24.928	30	-56.115	41	-9.522	29	27.168	5	22.358	4	14.897	6		
RENAULT	11.906	11	8.811	9	4.581	12	1.682	12	7	11	6.598	9	5.732	36	2.757	35	1.276	42		
UNICREDITO ITALIANO	11.802	12	3.488	14	6.776	23	-2.776	14	-5.945	18	4.239	14	10.666	25	8.221	17	9.799	13		
BBVA	8.948	13	-10.209	31	-19.551	30	-19.141	26	-21.220	29	-6.992	28	16.105	15	10.598	13	5.117	24		
BASF	8.578	14	9.003	8	11.141	8	-6.517	17	-930	13	7.069	8	13.434	19	8.588	16	4.618	27		
ALLIED IRISH BANKS	7.307	15	2.945	16	-4.512	22	2.549	10	2.003	7	2.211	16	3.229	39	3.991	28	1.963	39		
E.ON	6.721	16	-5.265	26	7.882	10	11.878	5	1.728	8	12.598	5	34.660	2	24.717	3	14.547	7		
L'OREAL	6.183	17	2.194	17	-24.247	33	-39.622	37	-45.252	39	-29.069	43	-16.782	50	-7.155	48	2.595	36		
IBERDROLA	5.593	18	5.431	12	684	14	5.002	8	6.518	6	5.718	12	7.933	32	5.973	23	3.562	35		
REPSOL YPF	4.974	19	1.152	19	-781	16	-11.199	21	1.600	9	4.603	13	12.356	22	9.221	15	5.467	23		
ABN AMRO HOLDING	4.873	20	-6.343	29	-2.891	20	-17.788	24	-13.539	22	2.468	15	9.378	29	4.550	25	3.873	34		
AIR LIQUIDE	4.726	21	3.315	15	494	15	26	13	-11	12	1.231	19	3.988	37	2.807	33	2.359	37		
UNILEVER CERTS.	4.604	22	-17.840	37	-30.616	34	-8.536	19	-16.807	26	-12.640	33	-4.733	46	1.259	38	4.090	32		
SAINT GOBAIN	3.028	23	1.473	18	4.570	13	-4.719	15	-1.016	14	-436	22	6.995	34	2.803	34	1.326	41		
VIVENDI UNIVERSAL	2.680	24	-5.014	25	-46.770	42	-63.594	40	-28.962	31	-9.923	30	8.349	31	4.494	26	1.767	40		
RWE	2.562	25	-4.948	24	-2.531	19	5.405	7	512	10	6.555	10	19.738	12	16.057	7	11.406	10		
DEUTSCHE BANK	1.890	26	-22.656	38	-2.191	18	-32.823	33	-32.012	33	-16.148	36	17.867	14	3.560	29	6.615	20		
AXA	1.125	27	-5.325	27	-33.612	36	-38.611	36	-43.582	38	-1.968	24	25.152	6	16.944	6	16.322	4		
SAN PAOLO IMI	1.119	28	-4.523	23	-12.767	27	-7.975	18	-14.600	23	-1.764	23	10.383	26	3.528	30	3.961	33		
BSCH	563	29	-11.360	33	-12.394	25	-20.761	28	-17.068	27	799	20	21.358	9	6.335	22	10.404	12		
LAFARGE	463	30	-1.153	21	-4.079	21	-8.677	20	-3.660	17	-5.697	26	562	41	276	40	484	43		
TELEFONICA	-122	31	-12.147	34	-31.470	35	-95.363	45	-47.061	40	-24.171	40	21.157	10	2.828	31	-5.842	47		
LVMH	-162	32	15.655	7	14.832	6	-32.295	32	-13.086	20	8.064	7	14.414	17	4.934	24	7.630	15		
ENDESA	-877	33	-3.210	22	-12.534	26	-5.884	16	-1.369	15	1.235	18	11.268	23	6.495	21	4.796	26		
GENERALI	-3.870	34	-13.916	36	-34.385	37	-26.407	31	-37.185	35	-13.197	34	8.506	30	8.163	18	4.373	30		
SUEZ	-5.629	35	-8.161	30	-22.711	32	-17.096	22	-25.091	30	-15.293	35	9.864	27	10.741	12	6.763	19		
TELECOM ITALIA	-5.990	36	-6.312	28	-17.780	29	-17.583	23	-13.488	21	-5.097	25	656	40	137	41	-7.067	48		
FORTIS	-7.192	37	-10.931	32	-19.662	31	-18.318	25	-16.106	25	-10.314	32	13.243	20	14.732	8	8.985	14		
MUNCH.RUCK.	-14.046	38	-34.592	43	-40.052	39	-49.586	38	-77.834	44	-51.592	48	-2.858	44	1.503	37	4.541	29		
BAYER	-14.108	39	-12.882	35	-12.229	24	-24.013	29	-30.931	32	-6.794	27	9.660	28	7.669	19	7.396	17		
AEGON	-19.300	40	-33.538	40	-94.616	44	-80.965	43	-66.955	43	-35.987	45	468	42	1.881	36	5.500	22		
NOKIA	-20.038	41	-26.675	39	-82.788	43	-283.351	48	-272.098	49	-116.463	50	-14.801	49	-141	42	15.766	5		
AHOLD KON.	-27.953	42	-33.734	42	-38.886	38	-35.014	34	-38.079	36	-33.938	44	-7.528	48	-1.177	45	378	44		
ALCATEL	-33.129	43	-48.593	44	-41.896	40	-82.129	44	-99.824	45	-20.082	38	6.124	35	-2.056	46	-2.485	45		
Allianz	-37.573	44	-72.746	46	-98.596	45	-96.591	46	-110.558	46	-54.135	49	12.364	21	7.296	20	10.995	11		
CARREFOUR	-39.789	45	-33.620	41	-42.020	41	-67.615	41	-36.741	34	-24.292	41	-6.722	47	-5.920	47	2.278	38		
DEUTSCHE TELEKOM	-87.566	46	-82.774	47	-133.298	48	-326.147	49	-115.599	47	-49.691	47	-4.073	45	-10.690	49	-14.813	50		
FRANCE TELECOM					-51.779	45	-111.315	47	-216.753	47	-136.772	48	-46.887	46	-378	43	-11.472	50	-11.761	49
DAIMLERCHRYSLER					-99.396	46	-77.239	42	-17.745	28	-19.194	37	10.984	24	2.828	32	6.804	18		
ENEL							-19.800	27	-15.742	24	2.196	17	13.923	18	11.022	11	-3.209	46		
CREDIT AGRICOLE											9.348	6	14.820	16	9.835	14	4.937	25		
Sum	134.087		-316.407		-915.815		-1.815.118		-1.487.789		-518.500		550.706		333.826		292.902			

Table 6

Shareholder Return for the companies in the Euro Stoxx 50 in 1997-2005 and other selected periods

	1997-2005		1998-2005		1999-2005		2000-2005		2001-2005		2002-2005		2003-2005		2004-2005		2005	
	%	Rank	%	Rank														
UNICREDITO ITALIANO	774%	1	161%	11	44%	23	47%	14	26%	16	51%	14	74%	28	49%	17	44%	5
SOCIETE GENERALE	607%	2	365%	1	311%	1	138%	2	99%	3	101%	2	118%	7	63%	10	45%	4
NOKIA	523%	3	324%	2	31%	27	-62%	43	-65%	45	-42%	45	9%	47	18%	39	37%	12
BNP PARIBAS	498%	4	262%	3	147%	6	84%	9	75%	4	58%	13	98%	15	48%	18	33%	20
RENAULT	405%	5	233%	5	122%	8	73%	10	45%	14	99%	3	71%	29	34%	30	15%	41
ALLIED IRISH BANKS	382%	6	171%	10	49%	21	98%	7	75%	5	61%	11	58%	36	54%	14	22%	31
SANOFI-SYNTHELABO	349%	7	240%	4	147%	5	110%	4	21%	18	1%	33	44%	40	37%	26	35%	17
SAP	348%	8	75%	31	32%	26	-2%	28	29%	15	8%	29	107%	11	17%	42	18%	37
TOTAL SA	347%	9	180%	9	216%	2	101%	6	65%	6	58%	12	80%	25	59%	11	36%	14
TELECOM ITALIA	320%	10	228%	6	-46%	43	-50%	40	-44%	40	-10%	38	33%	41	16%	43	-15%	50
ENI	310%	11	211%	8	181%	3	180%	1	118%	1	105%	1	81%	23	74%	6	35%	15
BBVA	293%	12	83%	25	34%	25	25%	20	10%	25	23%	25	81%	24	46%	20	19%	35
SAN PAOLO IMI	284%	13	111%	18	22%	31	28%	17	-3%	29	34%	23	147%	4	42%	22	33%	18
DANONE	283%	14	151%	12	66%	18	70%	11	21%	17	39%	19	46%	39	41%	24	32%	21
PHILIPS ELTN.KON	254%	15	100%	22	90%	13	-18%	36	-29%	38	-18%	40	62%	34	14%	44	37%	11
BSCH	239%	16	80%	26	58%	20	18%	24	14%	23	35%	22	88%	22	26%	35	26%	27
SIEMENS	237%	17	124%	15	119%	9	-6%	32	-15%	33	5%	31	89%	21	18%	40	18%	36
TELEFONICA	206%	18	108%	19	35%	24	-34%	38	-7%	30	5%	30	78%	26	21%	37	-1%	46
REPSOL YPF	194%	19	120%	16	85%	14	20%	22	59%	8	62%	10	108%	10	66%	8	31%	22
AXA	187%	20	97%	23	11%	32	-3%	29	-16%	34	35%	21	139%	5	71%	7	55%	2
ING GROEP CERTS.	185%	21	103%	21	48%	22	25%	19	-13%	31	25%	24	114%	8	76%	5	38%	9
IBERDROLA	175%	22	145%	14	80%	15	105%	5	104%	2	81%	4	92%	19	58%	12	28%	24
BASF	172%	23	147%	13	140%	7	48%	13	53%	10	72%	8	93%	18	51%	16	23%	28
DEUTSCHE BANK	168%	24	51%	36	92%	12	9%	25	1%	26	12%	28	98%	14	29%	32	27%	26
FORTIS	168%	25	79%	28	0%	35	-1%	27	0%	28	15%	27	94%	17	90%	2	41%	7
AIR LIQUIDE	157%	26	116%	17	73%	16	59%	12	47%	11	45%	17	57%	37	35%	28	23%	29
SUEZ	154%	27	79%	30	1%	34	9%	26	-13%	32	-4%	36	92%	20	85%	3	41%	8
ABN AMRO HOLDING	153%	28	75%	32	71%	17	20%	21	18%	20	51%	15	67%	32	33%	31	19%	34
E.ON	150%	29	79%	29	114%	11	122%	3	62%	7	76%	7	159%	2	85%	4	38%	10
SAINT GOBAIN	146%	30	105%	20	117%	10	36%	16	46%	13	38%	20	102%	13	39%	25	17%	38
RWE	143%	31	63%	34	64%	19	95%	8	54%	9	71%	9	184%	1	115%	1	60%	1
LAFARGE	137%	32	79%	27	27%	28	-11%	34	12%	24	-9%	37	29%	43	17%	41	11%	44
GENERALI	134%	33	53%	35	-10%	37	-3%	30	-25%	36	0%	34	58%	35	45%	21	20%	33
L'OREAL	132%	34	91%	24	10%	33	-15%	35	-27%	37	-18%	39	-9%	49	0%	47	14%	42
LVMH	126%	35	220%	7	181%	4	-5%	31	18%	21	79%	5	104%	12	35%	29	35%	16
UNILEVER CERTS.	108%	36	25%	38	-4%	36	26%	18	0%	27	0%	35	10%	46	20%	38	21%	32
ENDESA	108%	37	74%	33	23%	30	38%	15	47%	12	47%	16	124%	6	57%	13	33%	19
BAYER	48%	38	36%	37	26%	29	-7%	33	-23%	35	16%	26	95%	16	64%	9	48%	3
AEGON	44%	39	-14%	42	-67%	47	-64%	44	-62%	44	-46%	47	29%	42	27%	33	43%	6
MUNCH.RUCK.	35%	40	-25%	43	-38%	40	-50%	39	-66%	46	-58%	49	11%	45	23%	36	29%	23
ALLIANZ	14%	41	-32%	45	-50%	44	-53%	42	-60%	43	-41%	44	71%	30	36%	27	37%	13
CARREFOUR	7%	42	14%	39	-16%	38	-51%	41	-34%	39	-26%	42	1%	48	-4%	50	16%	39
DEUTSCHE TELEKOM	1%	43	-5%	40	-43%	41	-78%	48	-52%	41	-22%	41	19%	44	-1%	48	-14%	49
VIVENDI UNIVERSAL	-3%	44	-28%	44	-59%	46	-67%	45	-59%	42	-54%	48	76%	27	41%	23	16%	40
ALCATEL	-9%	45	-51%	46	-46%	42	-76%	47	-82%	49	-45%	46	151%	3	3%	46	-9%	47
AHOLD KON.	-50%	46	-66%	47	-75%	48	-73%	46	-77%	48	-77%	50	-39%	50	3%	45	11%	43
DAIMLERCHRYSLER		-33%	39	-28%	37	18%	19	4%	32	67%	33	26%	34	27%	25			
CREDIT AGRICOLE									77%	6	111%	9	52%	15	22%	30		
ENEL							18%	23	16%	22	42%	18	70%	31	47%	19	-1%	45
FRANCE TELECOM		-11%	41	-57%	45	-78%	49	-69%	47	-39%	43	52%	38	-3%	49	-12%	48	

6. Shareholder Value Creation and Shareholder Return by country

Table 7 contains some statistics on the companies in the Euro Stoxx 50 grouped by country. The first two columns show the market capitalization at the end of 2005. French companies account for 36% of total market capitalization. The third column also shows that there are 18 French companies.

Table 7

Shareholder Value Creation and Shareholder Return by country of the 50 companies in the Euro Stoxx 50 at the end of 2005

	Market Capitalization 2005		No. Companies	Return 2005	Return 1997-2005	CSV 05	
	€ million	%				€ million	%
France	758,718	36%	18	28.4%	18.3%	115,904	40%
Germany	447,435	21%	11	25.5%	13.5%	62,01	21%
Italy	306,422	14%	6	30.6%	22.2%	28,524	10%
Netherlands	266,577	13%	6	30.7%	14.5%	36,247	12%
Spain	245,437	12%	6	19.4%	15.6%	23,504	8%
Belgium	34,987	2%	1	41.4%	11.6%	8,985	3%
Finland	68,502	3%	1	36.6%	22.5%	15,766	5%
Ireland	15,687	1%	1	21.8%	19.1%	1,963	1%
Total	2,128,078	100%	50			292,902	100%

7. Shareholder Return and size

Figure 2 shows the relationship of shareholder return to size (measured as market capitalization) in 2005. There is not a close relationship. The R-squared is 2.8% (that is, the difference in size explained only 2.8% of the return).

Figure 3 plots the relationship of shareholder return ranking to size ranking. Again, the relationship is very weak.

Figure 4 shows the relationship of shareholder return in the eight-year period 1997-2005 to size (measured as market capitalization at the beginning of the period, in 1996). Again, no significant relationship is found. In this sample, difference in size explained 20,89% of the return.

Figure 2

Shareholder return and size of the companies in the Euro Stoxx 50 in 2005

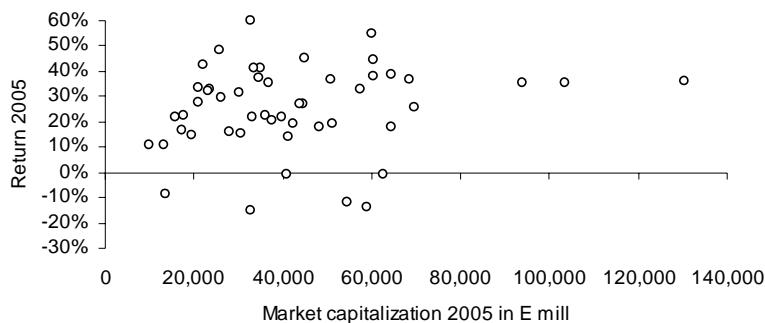


Figure 3

Ranking of shareholder return and size of the companies in the Euro Stoxx 50 in 2005

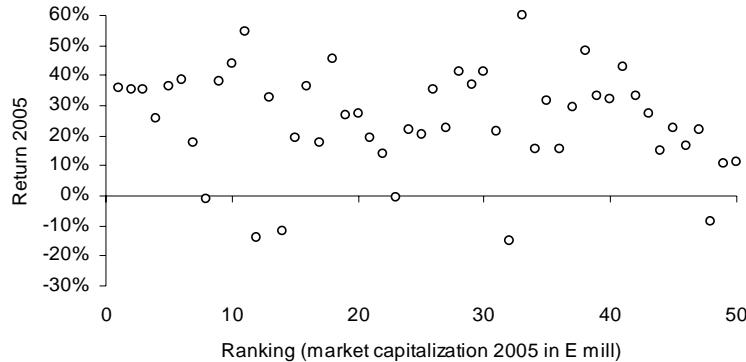
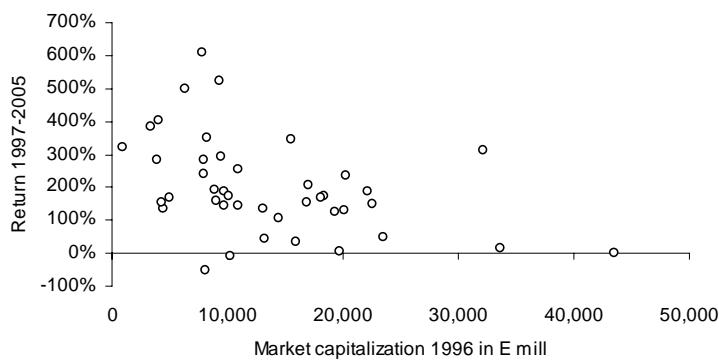


Figure 4

Relationship of shareholder return to size of the companies in the Euro Stoxx 50 in the period 1997-2005



8. Additions and deletions of companies in the Euro Stoxx 50 during the eight-year period 1997-2005

Table 8 contains the companies added and removed from the Euro Stoxx 50.

Figure 5 shows the average cumulative return of the companies added to the Euro Stoxx 50 in the 40 days around the addition date (day 0). It may be seen that the average cumulative return in the 20 days before the addition was 4.82% (4.73 % above the return of the Euro Stoxx 50.). It may be seen, also, that the average cumulative return in the 20 days after the addition was 4.79%.

Figure 6 shows the average cumulative return of the companies removed from the Euro Stoxx 50 in the 40 days around the deletion date (day 0). It may be seen that the average cumulative return in the 20 days before the deletion was -2.03%. It may be seen, also, that the average cumulative return in the 20 days after the deletion was 3.82%.

Figure 7 shows the average cumulative return of a portfolio equally weighted long in the companies added, and short in the companies removed from the Euro Stoxx 50 in the 40 days around the addition/deletion date (day 0). It may be seen that the average cumulative return in the 20 days before the addition/deletion date was 6.85%, and that the average cumulative return in the 20 days after the addition/deletion date was 0.97%.

Table 8

Additions and deletions of companies in the Euro Stoxx 50 since 1997

	Deletions	Additions
22/09/1997	Sanofi, Schering AG, Thyssen AG	Paribas, L'Oreal, Portugal Telecom
22/12/1997	Pinault-Printemps-La Redoute	France Telecom
	Lufthansa, Schneider Electric, Allied	Basf, Bayerische Hypo-&Vereinsbank, Dresdner
20/09/1999	Irish Banks, Fiat, Spa, Akzo Nobel, Elsevier, Portugal Telecom	Bank, Muenchener Rueckver, BSCH, Suez Lyonnaise Des Eaux, Sanofi-Synthelabo
01/11/1999	Paribas, ELF Aquitaine	Pinault-Printemps-La Redoute, BNP
20/12/1999	Rhone-Poulenc	Aventis
14/02/2000	Mannesmann	Canal +
20/03/2000	Saint Gobain	Enel
18/09/2000	Electrabel, Metro	Groupe Danone, San Paolo-Imi
11/12/2000	Canal +	Volkswagen
23/07/2001	Dresdner Bank	TIM
24/09/2001	KPN	Saint Gobain
23/09/2002	Pinault-Printemps-La Redoute	Lafarge
22/09/2003	Bayer. Hypo- und VereinsBank	Iberdrola
28/07/2004	Aventis	SAP
20/06/2004	Volkswagen	Credit Agricole
30/06/2005	Telecom Italia Mobile-Dead	Allied Irish Banks
20/07/2005	Royal Dutch Shell A	Renault

Figure 5

Average Cumulative Return of additions to the Euro Stoxx 50

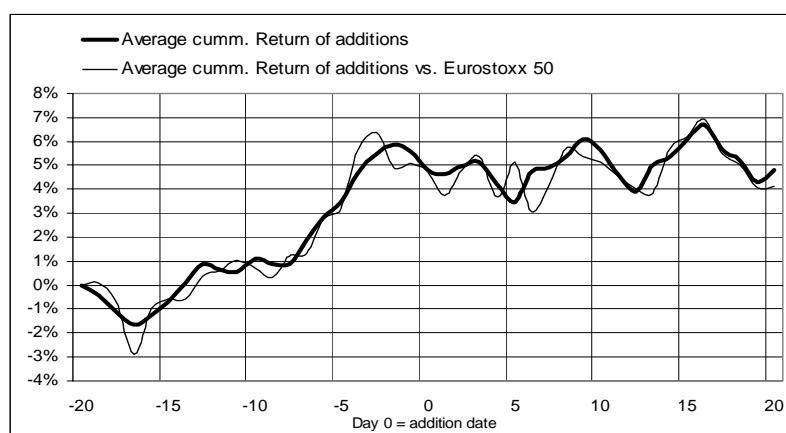
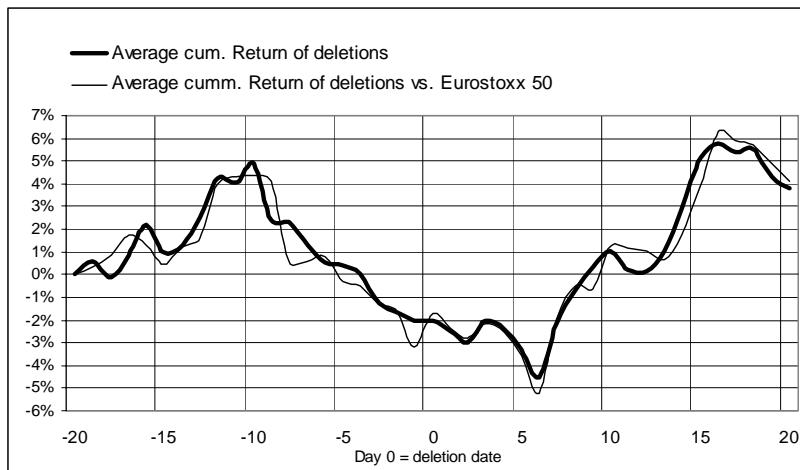
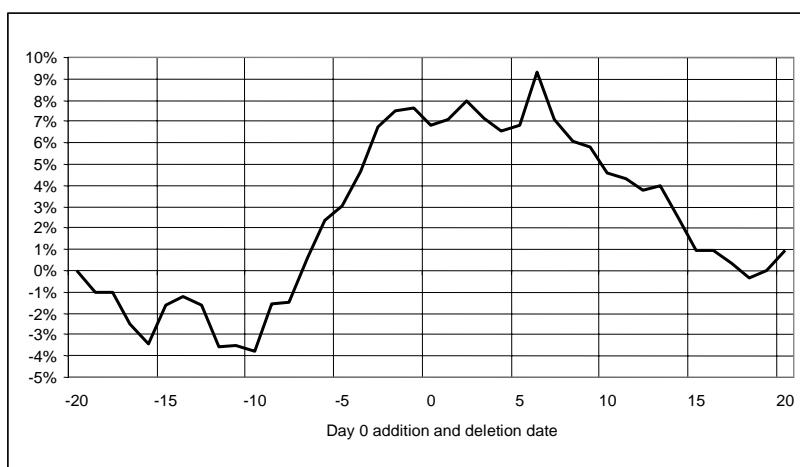


Figure 6

Average Cumulative Return of deletions from the Euro Stoxx 50

**Figure 7**

Average cumulative return of a portfolio long in the companies added and short in the companies deleted from the Euro Stoxx 50



9. Volatility and correlation with other indexes of the Euro Stoxx 50

Figure 8 compares the volatilities (annualized standard deviation of the daily returns of the last year) of the Euro Stoxx 50, of the S&P 500 and of the Dow Jones. It may be seen that the Euro Stoxx 50 has been much more volatile than the U.S. indexes, especially in 1999 and after September 11, 2001.

Figures 9 and 10 compare the volatility (annualized standard deviation of the daily returns of the last year) of the Euro Stoxx 50, with the volatilities of the national indexes of France (CAC 40), Germany (Dax), Spain (Ibex 35), and UK (FTSE 100). The FTSE 100 (there are no UK companies in the Euro Stoxx 50) has been much less volatile than the Euro Stoxx 50.

Figures 11, 12, and 13 offer the same comparison as Figures 8, 9 and 10, but the volatility is the annualized standard deviation of the daily returns of the last 20 days (instead of the last year).

Table 9 offers the correlation among the indexes using daily returns of the eight-year period 1997-2005. The correlation of the Euro Stoxx with the continental indexes are higher than 0.83. The correlation of the Euro Stoxx 50 with the FTSE 100 is 0.83. The correlation of the Euro Stoxx 50 with the American indexes is much lower: 0.477 and 0.464.

Tables 10 and 11 split the period used for calculating the correlation in two sub-periods. Table 10 shows the correlation of the 3-year sub-period 1997-1999, and Table 11 shows the correlation of the 5-year sub-period 2000-2005. Table 12 is the difference between Tables 10 and 11. It may be seen that the correlation of the Euro Stoxx 50 with all other indexes was higher in 2000-2005 than in 1997-1999.

Tables 13, 14, 15 and 16 are the same as Tables 9, 10, 11 and 12 but the correlations are calculated using monthly returns.

Figures 14 to 18 show the evolution of the correlations. Figures 14 and 15 contain the correlations of the daily returns of the last 20 days, while Figures 16 and 17 contain the correlations of the daily returns of the last year. Figure 18 contains correlations of the monthly returns of the last year.

Figure 8

Volatility of Euro Stoxx 50, S&P 500 and Dow Jones
(Annualized rolling standard deviation calculated with daily data of the last year)

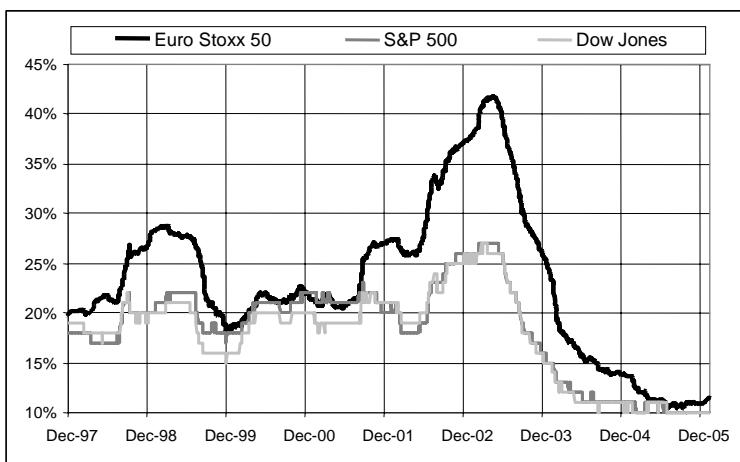


Figure 9

Volatility of Euro Stoxx 50, CAC 40 and Xetra-Dax
(Annualized rolling standard deviation calculated with daily data of the last year)

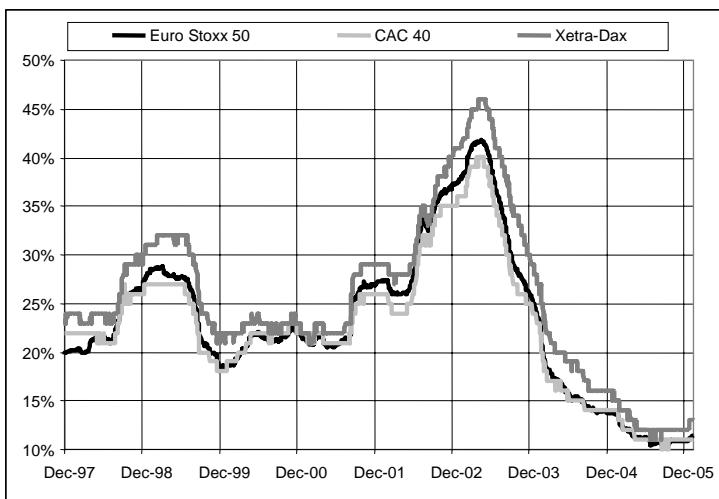


Figure 10

Volatility of Euro Stoxx 50, Ibex 35 and FTSE 100
(Annualized rolling standard deviation calculated with daily data of the last year)

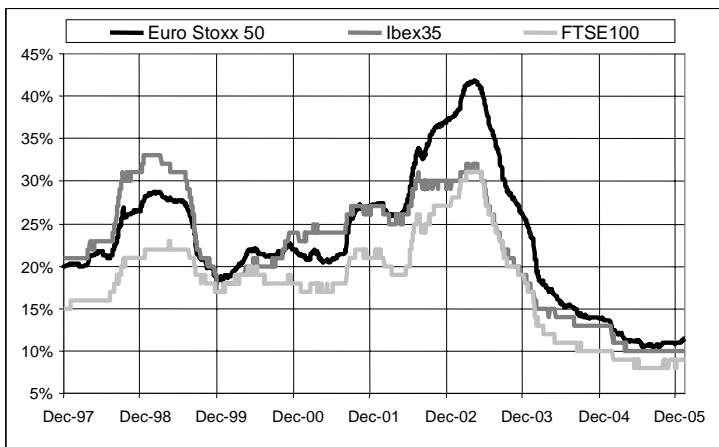


Figure 11

Volatility of Euro Stoxx 50, S&P 500 and Dow Jones
(Annualized rolling standard deviation calculated with daily data of the last 20 days)

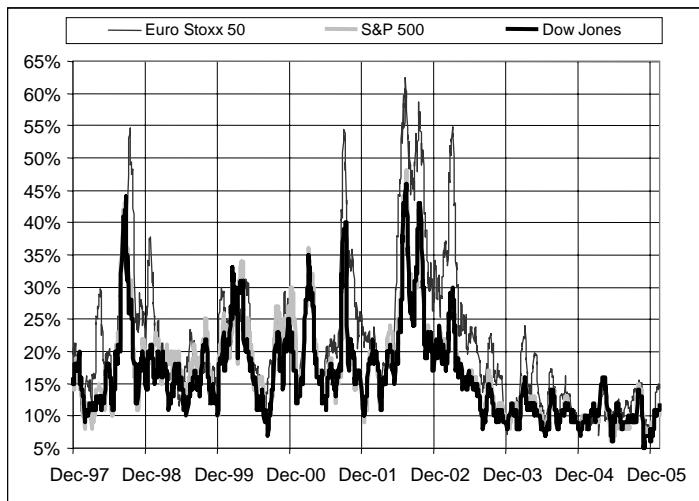


Figure 12

Volatility of Euro Stoxx 50, CAC 40 and Xetra-Dax
(Annualized rolling standard deviation calculated with daily data of the last 20 days)

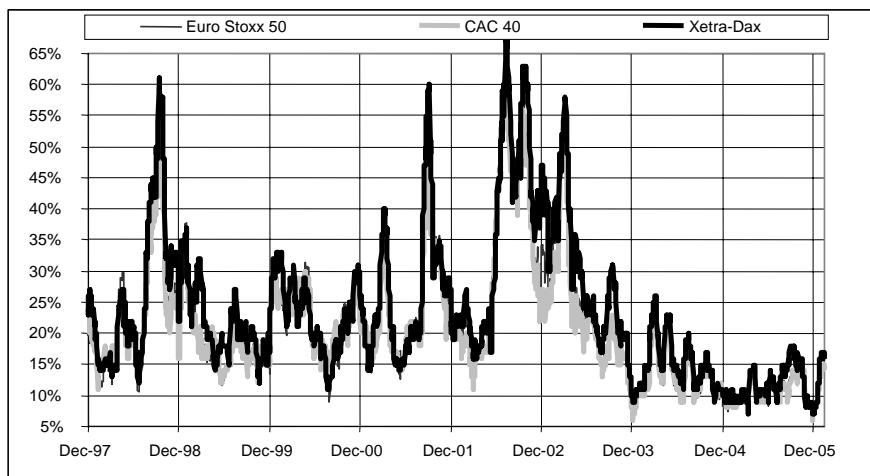
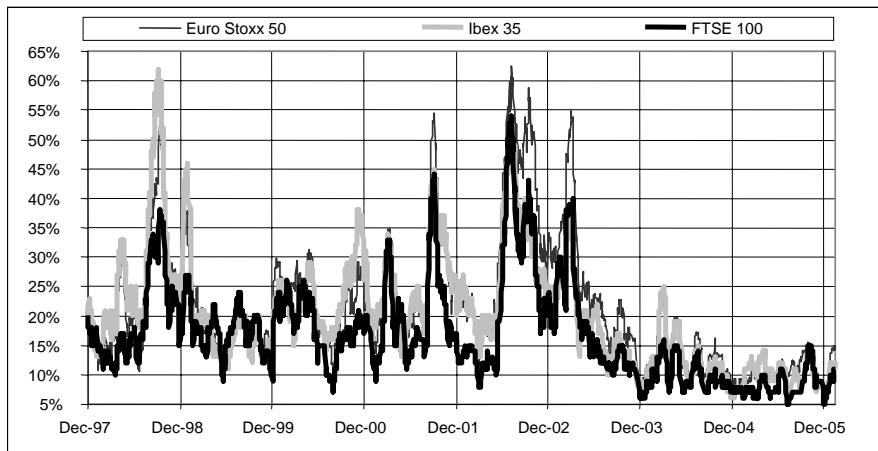


Figure 13

Volatility of Euro Stoxx 50, Ibex 35 and FTSE 100 (20 days)
 (Annualized rolling standard deviation calculated with daily data of the last 20 days)

**Table 9**

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with daily data in the period Jan 1997-Dec 2005

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.920	0.946	0.855	0.851	0.907	0.833	0.477	0.464
AEX	0.920	1.000	0.861	0.768	0.759	0.811	0.803	0.431	0.424
CAC 40	0.946	0.861	1.000	0.814	0.811	0.843	0.808	0.459	0.447
Ibex35	0.855	0.768	0.814	1.000	0.787	0.762	0.716	0.414	0.405
Mibtel 30	0.851	0.759	0.811	0.787	1.000	0.774	0.723	0.408	0.400
Xetra-Dax	0.907	0.811	0.843	0.762	0.774	1.000	0.746	0.529	0.516
FTSE 100	0.833	0.803	0.808	0.716	0.723	0.746	1.000	0.417	0.424
S&P 500	0.477	0.431	0.459	0.414	0.408	0.529	0.424	1.000	0.944
Dow Jones	0.464	0.424	0.447	0.405	0.400	0.516	0.417	0.944	1.000

Table 10

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with daily data in the period Jan 1997-Dec 1999

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.887	0.899	0.820	0.811	0.904	0.789	0.405	0.420
AEX	0.887	1.000	0.760	0.710	0.681	0.800	0.744	0.375	0.387
CAC 40	0.899	0.760	1.000	0.750	0.744	0.828	0.736	0.417	0.429
Ibex35	0.820	0.710	0.750	1.000	0.739	0.758	0.656	0.392	0.405
Mibtel 30	0.811	0.681	0.744	0.739	1.000	0.727	0.648	0.327	0.343
Xetra-Dax	0.904	0.800	0.828	0.758	0.727	1.000	0.745	0.426	0.443
FTSE 100	0.789	0.744	0.736	0.656	0.648	0.745	1.000	0.410	0.392
S&P 500	0.405	0.375	0.417	0.392	0.327	0.426	0.392	1.000	0.944
Dow Jones	0.420	0.387	0.429	0.405	0.343	0.443	0.410	0.944	1.000

Table 11

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with daily data in the period Jan 2000-Dec 2005

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.935	0.966	0.879	0.891	0.908	0.852	0.509	0.483
AEX	0.935	1.000	0.905	0.803	0.818	0.815	0.830	0.456	0.440
CAC 40	0.966	0.905	1.000	0.852	0.864	0.849	0.841	0.477	0.454
Ibex35	0.879	0.803	0.852	1.000	0.824	0.768	0.750	0.426	0.406
Mibtel 30	0.891	0.818	0.864	0.824	1.000	0.815	0.779	0.462	0.440
Xetra-Dax	0.908	0.815	0.849	0.768	0.815	1.000	0.746	0.577	0.550
FTSE 100	0.852	0.830	0.841	0.750	0.779	0.746	1.000	0.419	0.438
S&P 500	0.509	0.456	0.477	0.426	0.462	0.577	0.438	1.000	0.943
Dow Jones	0.483	0.440	0.454	0.406	0.440	0.550	0.419	0.943	1.000

Table 12

Correlation of Table 9 (97-99) minus correlation of Table 10 (2000-2005)

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	0.000	-0.048	-0.067	-0.059	-0.080	-0.004	-0.063	-0.104	-0.063
AEX	-0.048	0.000	-0.145	-0.093	-0.137	-0.015	-0.086	-0.082	-0.053
CAC 40	-0.067	-0.145	0.000	-0.102	-0.120	-0.020	-0.105	-0.060	-0.026
Ibex35	-0.059	-0.093	-0.102	0.000	-0.084	-0.010	-0.094	-0.034	-0.001
Mibtel 30	-0.080	-0.137	-0.120	-0.084	0.000	-0.088	-0.131	-0.135	-0.097
Xetra-Dax	-0.004	-0.015	-0.020	-0.010	-0.088	0.000	0.000	-0.151	-0.107
FTSE 100	-0.063	-0.086	-0.105	-0.094	-0.131	0.000	0.000	-0.009	-0.045
S&P 500	-0.104	-0.082	-0.060	-0.034	-0.135	-0.151	-0.045	0.000	0.001
Dow Jones	-0.063	-0.053	-0.026	-0.001	-0.097	-0.107	-0.009	0.001	0.000

Table 13

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with monthly data in the period Jan 1997-Dec 2005

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.932	0.969	0.829	0.856	0.951	0.845	0.801	0.732
AEX	0.932	1.000	0.885	0.770	0.766	0.900	0.820	0.744	0.707
CAC 40	0.969	0.885	1.000	0.812	0.840	0.918	0.823	0.778	0.707
Ibex35	0.829	0.770	0.812	1.000	0.782	0.786	0.771	0.693	0.635
Mibtel 30	0.856	0.766	0.840	0.782	1.000	0.800	0.734	0.642	0.539
Xetra-Dax	0.951	0.900	0.918	0.786	0.800	1.000	0.784	0.779	0.731
FTSE 100	0.845	0.820	0.823	0.771	0.734	0.784	1.000	0.814	0.768
S&P 500	0.801	0.744	0.778	0.693	0.642	0.779	0.814	1.000	0.923
Dow Jones	0.732	0.707	0.707	0.635	0.539	0.731	0.768	0.923	1.000

Table 14

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with monthly data in the period Jan 1997-Dec 1999

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.903	0.953	0.828	0.802	0.952	0.842	0.836	0.809
AEX	0.903	1.000	0.814	0.744	0.674	0.881	0.783	0.763	0.798
CAC 40	0.953	0.814	1.000	0.804	0.789	0.897	0.776	0.772	0.741
Ibex35	0.828	0.744	0.804	1.000	0.763	0.764	0.826	0.697	0.705
Mibtel 30	0.802	0.674	0.789	0.763	1.000	0.709	0.727	0.667	0.597
Xetra-Dax	0.952	0.881	0.897	0.764	0.709	1.000	0.804	0.816	0.810
FTSE 100	0.842	0.783	0.776	0.826	0.727	0.804	1.000	0.807	0.781
S&P 500	0.836	0.763	0.772	0.697	0.667	0.816	0.807	1.000	0.916
Dow Jones	0.809	0.798	0.741	0.705	0.597	0.810	0.781	0.916	1.000

Table 15

Correlation of the Euro Stoxx 50 with other main world indexes. Correlation calculated with monthly data in the period Jan 2000-Dec 2005

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	1.000	0.948	0.980	0.831	0.892	0.955	0.837	0.766	0.667
AEX	0.948	1.000	0.932	0.799	0.826	0.906	0.833	0.719	0.640
CAC 40	0.980	0.932	1.000	0.810	0.874	0.939	0.849	0.769	0.669
Ibex35	0.831	0.799	0.810	1.000	0.789	0.820	0.724	0.683	0.563
Mibtel 30	0.892	0.826	0.874	0.789	1.000	0.864	0.729	0.607	0.473
Xetra-Dax	0.955	0.906	0.939	0.820	0.864	1.000	0.766	0.752	0.676
FTSE 100	0.837	0.833	0.849	0.724	0.729	0.766	1.000	0.807	0.750
S&P 500	0.766	0.719	0.769	0.683	0.607	0.752	0.807	1.000	0.927
Dow Jones	0.667	0.640	0.669	0.563	0.473	0.676	0.750	0.927	1.000

Table 16

Correlation of Table 9 (97-99) minus correlation of Table 10 (2000-2005)

	ES50	AEX	CAC 40	Ibex35	Mibtel 30	Xetra-Dax	FTSE 100	S&P 500	Dow Jones
ES50	0.000	-0.045	-0.027	-0.002	-0.090	-0.003	0.005	0.070	0.142
AEX	-0.045	0.000	-0.118	-0.055	-0.152	-0.025	-0.050	0.045	0.158
CAC 40	-0.027	-0.118	0.000	-0.006	-0.085	-0.041	-0.073	0.004	0.073
Ibex35	-0.002	-0.055	-0.006	0.000	-0.026	-0.056	0.101	0.014	0.142
Mibtel 30	-0.090	-0.152	-0.085	-0.026	0.000	-0.156	-0.002	0.060	0.123
Xetra-Dax	-0.003	-0.025	-0.041	-0.056	-0.156	0.000	0.037	0.064	0.134
FTSE 100	0.005	-0.050	-0.073	0.101	-0.002	0.037	0.000	0.000	0.031
S&P 500	0.070	0.045	0.004	0.014	0.060	0.064	0.000	0.000	-0.011
Dow Jones	0.142	0.158	0.073	0.142	0.123	0.134	0.031	-0.011	0.000

Figure 14

Correlation between the Euro Stoxx 50 and the S&P 500. Correlation between Euro Stoxx 50 and Dow Jones (20-day rolling daily correlations)

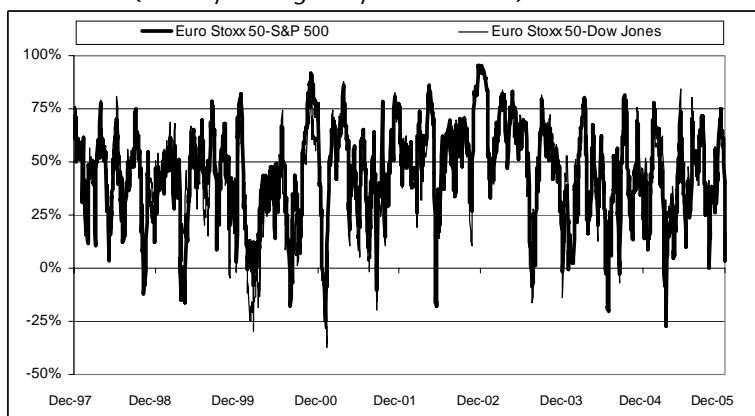


Figure 15

Correlation between Euro Stoxx and Ibex 35. Correlation between Euro Stoxx 50 and FTSE 100 (20-day rolling daily correlations)

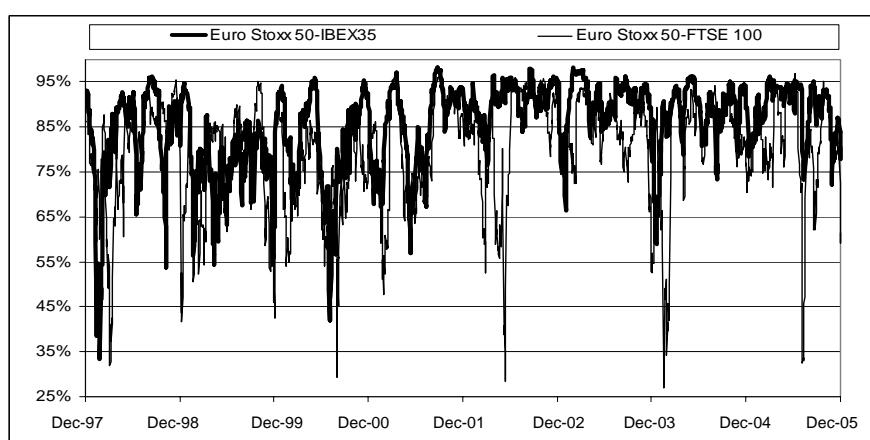


Figure 16

Correlation between Euro Stoxx and S&P 500. Correlation between Euro Stoxx 50 and Dow Jones (annual rolling daily correlations)

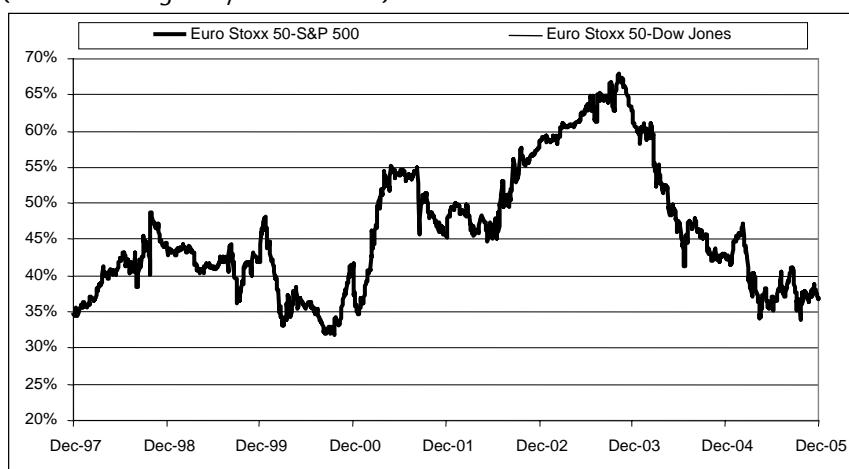


Figure 17

Correlation between Euro Stoxx and Ibex 35. Correlation between Euro Stoxx 50 and FTSE 100
(Annual rolling daily correlations)

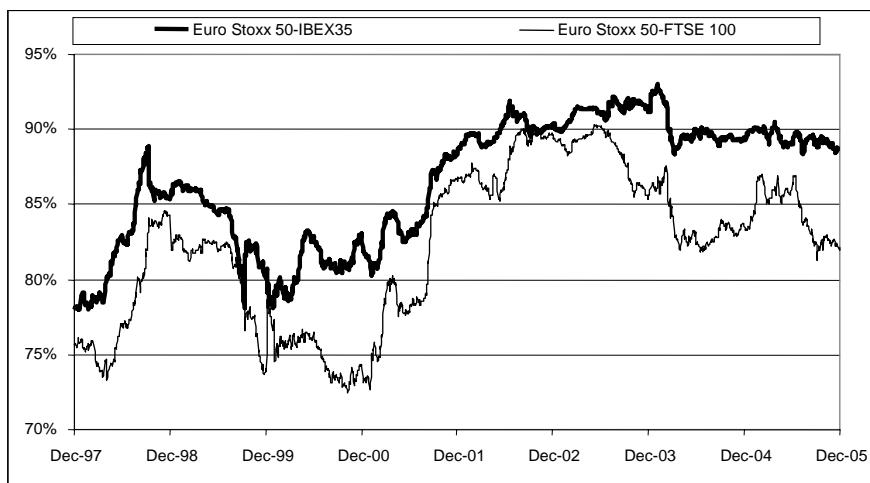
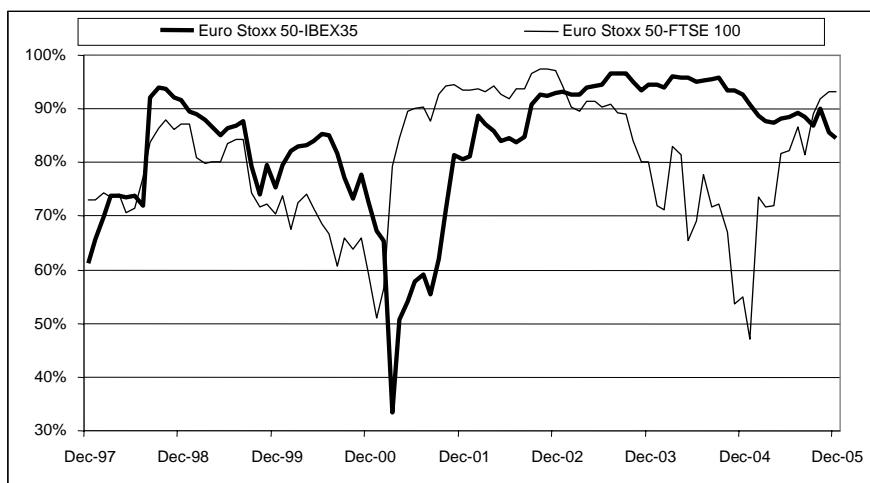


Figure 18

Correlation between Euro Stoxx and Ibex 35. Correlation between Euro Stoxx 50 and FTSE 100
(Annual rolling monthly correlations)



Appendix 1

Market Value for the companies in the Euro Stoxx 50 in December 2005 (million euros)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
ABN AMRO HOLDING	16,927	25,266	25,835	36,375	36,373	27,898	24,027	29,958	33,189	42,186
AEGON	13,249	23,724	61,004	64,090	59,488	43,236	17,437	17,609	15,573	21,986
AHOLD KON.	8,171	12,489	19,720	18,819	26,729	30,046	11,125	9,378	8,855	9,844
AIR LIQUIDE	9,029	10,506	12,957	13,772	14,528	14,295	12,673	13,988	14,849	17,727
ALCATEL	10,280	18,978	20,717	45,307	73,289	23,333	5,116	13,113	14,937	13,688
ALLIANZ	33,598	55,698	77,445	81,920	97,956	70,682	24,152	38,503	37,652	50,797
GENERALI	13,095	19,787	36,558	33,650	53,002	39,094	25,004	26,796	31,862	37,667
CREDIT AGRICOLE						16,995	13,980	27,894	32,712	39,844
AXA	9,716	23,522	42,727	48,925	63,526	40,288	22,537	30,173	34,692	60,201
BASF	18,445	19,739	19,940	31,446	29,585	25,642	21,049	25,425	29,620	36,020
BAYER	23,525	24,870	26,192	34,399	40,804	26,146	14,935	16,959	18,215	25,774
BBVA	9,468	20,040	27,316	29,878	50,654	44,422	29,146	34,995	44,251	51,134
BSCH	7,977	14,658	19,837	41,226	51,477	44,871	31,185	44,775	57,102	69,735
BNP PARIBAS	6,350	10,400	15,323	41,204	41,894	44,520	34,734	45,086	47,155	57,294
CARREFOUR	19,795	18,418	24,984	62,711	46,680	41,531	30,175	31,166	25,094	27,900
DAIMLERCHRYSLER			83,741	77,133	45,354	49,261	29,903	37,697	35,712	43,693
DEUTSCHE BANK	18,133	34,336	26,570	51,445	54,990	49,352	27,287	38,228	35,525	44,542
DEUTSCHE TELEKOM	43,554	46,686	76,987	214,749	97,250	81,017	51,422	60,909	69,893	59,106
E ON	22,536	30,903	25,531	24,361	49,462	44,409	26,607	35,804	46,406	60,474
ENDESA	14,439	16,908	21,577	20,868	19,216	18,602	11,805	16,146	18,306	23,525
ENEL			50,445	50,202	38,379	30,073	32,680	44,128	40,852	
ENI	32,162	41,436	44,623	43,692	54,415	56,338	60,627	59,883	73,761	93,845
FORTIS	5,001	7,388	13,089	16,449	19,294	37,643	21,551	20,687	26,444	34,987
FRANCE TELECOM	33,280	69,353	134,532	106,093	51,807	19,886	54,436	60,099	54,593	
DANONE	8,005	11,964	17,971	17,171	23,937	20,484	17,785	17,686	18,217	23,319
SOCIETE GENERALE	7,835	11,942	14,084	24,018	28,003	27,068	23,853	30,637	33,093	45,043
IBERDROLA	10,168	10,864	14,386	12,405	12,036	13,181	12,036	14,127	16,859	20,817
ING GROEP CERTS.	22,174	35,629	49,090	57,943	83,164	56,435	32,162	38,120	48,371	64,601
L'OREAL	20,134	24,266	41,629	53,848	61,724	54,693	49,048	43,944	37,758	41,370
LAFARGE	4,478	5,683	8,312	12,104	9,772	13,639	9,534	11,798	12,122	13,344
LVMH	19,302	13,341	15,001	43,556	34,535	22,388	19,181	28,269	27,608	36,770
MUNCH.RUCK.	15,951	28,460	36,037	45,034	67,428	53,961	20,368	22,067	20,766	26,259
NOKIA	9,388	14,079	48,687	206,903	222,981	137,087	72,476	65,757	54,193	68,502
PHILIPS ELTN.KON	11,013	19,534	21,069	45,776	51,353	43,930	21,978	30,467	25,677	34,547
REPSOL YPF	8,979	11,720	13,649	26,243	20,779	19,998	15,383	18,875	23,392	30,119
ALLIED IRISH BANKS	3,398	5,875	13,121	9,737	10,858	11,523	11,538	10,743	13,294	15,687
RWE	10,939	15,962	22,371	18,353	25,270	22,309	12,928	16,419	21,303	32,739
SAINT GOBAIN	9,694	11,627	10,858	16,272	14,361	14,446	9,534	13,491	15,108	17,349
SAN PAOLO IMI	3,919	7,122	21,146	18,915	24,177	16,924	8,983	14,981	15,636	20,964
SANOFI-SYNTHELABO	8,232	10,797	15,171	30,222	51,932	61,340	42,659	43,751	81,866	103,656
SIEMENS	20,272	30,595	32,233	75,537	82,802	66,341	36,060	56,570	55,585	64,515
SUEZ	4,355	12,780	25,756	31,439	38,780	34,681	17,138	15,998	20,018	33,387
TELECOM ITALIA	976	1,248	8,377	13,574	12,505	10,494	8,598	24,210	31,049	32,891
TELEFONICA	17,024	24,562	39,645	80,918	76,396	70,219	41,461	57,687	68,689	62,548
RENAULT	4,076	6,189	9,176	11,477	13,309	9,593	12,759	15,586	17,538	19,632
TOTAL SA	15,489	24,241	21,084	95,552	117,162	113,098	93,267	95,519	101,673	130,278
UNICREDITO ITALIANO	1,911	8,052	23,569	24,178	27,864	22,661	23,839	26,926	26,712	60,347
UNILEVER CERTS.	22,277	36,312	46,624	31,345	38,524	37,638	33,466	29,636	28,196	33,066
VIVENDI UNIVERSAL	12,019	17,172	35,152	52,843	75,710	67,022	16,749	20,648	25,189	30,514
SAP	6,564	16,686	22,144	29,585	22,379	46,079	23,786	41,937	41,386	48,399
Sum	614,021	925,731	1,418,369	2,302,343	2,430,003	2,027,038	1,283,005	1,568,138	1,737,326	2,128,078

Appendix 2

Evolution of shareholder value creation in the companies of the Euro Stoxx 50
(2005 € million)

	1997		1998		1999		2000		2001		2002		2003		2004		2005			
	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank	CSV	Rank		
TOTAL SA	13,545	11	-7,984	45	16,460	13	19,669	4	-6,342	18	-28,349	37	6,814	16	9,374	4	30,003	1		
SANOFI-SYNTHELABO	3,268	33	5,158	26	2,623	28	28,904	2	7,378	1	-28,811	38	-1,381	42	-2,960	38	23,208	2		
ENI	12,735	13	-13	36	-5,836	41	12,902	7	-2,624	11	2,054	1	-2,807	45	12,727	2	20,668	3		
AXA	6,450	24	28,288	6	4,999	25	4,971	16	-41,614	43	-27,120	36	8,208	11	622	26	16,322	4		
NOKIA	6,637	23	56,113	3	200,563	1	-11,253	39	-155,636	49	-101,661	50	-14,660	50	-15,907	50	15,766	5		
ING GROEP CERTS.	13,230	12	16,730	11	7,859	23	31,186	1	-46,593	44	-36,690	43	4,810	23	7,461	6	14,897	6		
E.ON	11,986	15	-13,147	46	-3,996	36	10,150	9	-10,870	25	-22,062	30	9,943	8	10,170	3	14,547	7		
SOCIETE GENERALE	6,153	25	675	35	15,103	15	3,895	19	-3,940	13	-5,935	9	7,058	14	1,213	23	12,480	8		
BNP PARIBAS	6,787	22	6,871	24	6,575	24	-2,661	30	534	6	-17,088	24	10,064	7	1,182	24	12,114	9		
RWE	7,510	21	-2,417	40	-7,936	44	4,893	17	-6,043	17	-13,182	22	3,681	27	4,651	11	11,406	10		
ALLIANZ	35,173	2	25,850	8	-2,004	33	13,967	6	-56,424	45	-66,498	49	5,068	19	-3,699	42	10,995	11		
BSCH	11,923	16	1,033	33	8,367	22	-3,693	31	-17,867	33	-20,559	28	15,024	4	-4,069	44	10,404	12		
UNICREDITO ITALIANO	8,314	19	10,264	15	-4,001	37	3,170	20	-10,184	24	-6,427	13	2,445	31	-1,578	35	9,799	13		
FORTIS	3,739	32	8,731	19	-1,345	32	-2,211	29	-5,793	16	-23,557	32	-1,489	44	5,747	8	8,985	14		
LVMH	-15,817	46	823	34	47,127	6	-19,209	43	-21,150	36	-6,350	11	9,480	9	-2,696	36	7,630	15		
PHILIPS ELTN.KON	14,313	9	-1,834	38	43,731	7	4,875	18	-16,704	32	-33,200	40	8,555	10	-8,440	48	7,509	16		
BAYER	-1,226	43	-653	37	11,784	18	6,918	13	-24,136	39	-16,454	23	1,991	32	273	30	7,396	17		
DAIMLERCHRYSLER					-22,157	48	-59,494	47	1,450	4	-30,179	39	8,156	13	-3,975	43	6,804	18		
SUEZ	2,532	35	14,550	12	-5,616	40	7,995	11	-9,798	23	-25,157	33	-877	41	3,978	13	6,763	19		
DEUTSCHE BANK	24,546	3	-20,465	47	30,632	9	-811	27	-15,864	29	-34,015	41	14,308	5	-3,055	40	6,615	20		
SIEMENS	15,281	8	-4,119	43	67,082	4	1,708	23	-32,693	42	-45,595	45	21,747	2	-5,230	46	5,611	21		
AEGON	14,238	10	61,078	1	-13,651	46	-14,010	42	-30,968	41	-36,455	42	-1,413	43	-3,619	41	5,500	22		
REPSOL YPF	3,822	31	1,933	32	10,418	19	-12,799	41	-3,003	12	-7,754	16	3,136	28	3,753	16	5,467	23		
BBVA	19,158	6	9,342	16	-410	31	2,079	22	-14,228	28	-23,098	31	5,508	18	5,481	9	5,117	24		
CREDIT AGRICOLE													-5,471	7	4,985	20	4,898	10		
ENDESA	2,333	36	9,324	17	-6,650	42	-4,515	36	-2,604	10	-10,032	18	4,772	24	1,699	20	4,796	26		
BASF	-424	42	-2,139	39	17,658	11	-5,587	38	-7,999	21	-6,365	12	4,846	21	3,970	14	4,618	27		
DANONE	6,067	26	8,342	21	-2,528	34	7,989	12	-6,802	20	-3,165	6	-719	38	-222	32	4,608	28		
MUNCH.RUCK.	20,546	5	5,461	25	9,534	20	28,248	3	-26,241	40	-48,734	48	-4,361	46	-3,038	39	4,541	29		
GENERALI	10,045	18	20,470	9	-7,978	45	10,778	8	-23,988	38	-21,703	29	343	36	3,790	15	4,373	30		
SAP	50,034	1	9,193	18	13,060	17	-11,954	40	6,166	2	-18,133	26	33,408	1	-4,798	45	4,289	31		
UNILEVER CERTS.	22,444	4	12,776	13	-22,080	47	8,271	10	-4,167	15	-7,907	17	-5,992	47	-2,831	37	4,090	32		
SAN PAOLO IMI	5,642	28	8,244	22	-4,792	39	6,625	14	-12,836	27	-12,148	20	6,855	15	-432	33	3,961	33		
ABN AMRO HOLDING	11,216	17	-3,452	42	14,897	16	-4,249	35	-16,007	30	-6,910	14	4,829	22	677	25	3,873	34		
IBERDROLA	161	41	4,747	28	-4,318	38	-1,516	28	800	5	-2,216	4	1,960	33	2,411	18	3,562	35		
L'OREAL	3,989	30	26,441	7	15,374	14	5,631	15	-16,183	31	-12,288	21	-9,626	49	-9,751	49	2,595	36		
AIR LIQUIDE	1,411	39	2,820	31	468	29	37	26	-1,242	9	-2,757	5	1,180	34	448	27	2,359	37		
CARREFOUR	-6,169	45	8,400	20	25,594	10	-30,874	44	-12,448	26	-17,570	25	-802	40	-8,197	47	2,278	38		
ALLIED IRISH BANKS	4,362	29	7,456	23	-7,060	43	546	25	-209	7	-1,017	3	-762	39	2,028	19	1,963	39		
VIVENDI UNIVERSAL	7,695	20	41,755	5	16,825	12	-34,633	45	-19,039	35	-18,273	27	3,855	26	2,727	17	1,767	40		
SAINT GOBAIN	1,555	38	-3,096	41	9,289	21	-3,703	32	-580	8	-7,430	15	4,191	25	1,478	22	1,326	41		
RENAULT	3,094	34	4,230	29	2,899	27	1,676	24	-6,591	19	866	2	2,975	29	1,481	21	1,276	42		
LAFARGE	1,616	37	2,926	30	4,598	26	-5,017	37	2,037	3	-6,259	10	286	37	-207	31	484	43		
AHOLD KON.	5,781	27	5,152	27	-3,872	35	3,065	21	-4,141	14	-26,410	35	-6,351	48	-1,555	34	378	44		
ALCATEL	15,464	7	-6,696	44	40,232	8	17,695	5	-79,742	47	-26,206	34	8,180	12	429	28	-2,485	45		
ENEL							-4,058	33	-17,939	34	-11,727	19	2,902	30	14,231	1	-3,209	46		
TELEFONICA	12,026	14	19,323	10	63,893	5	-48,302	46	-22,890	37	-45,328	44	18,329	3	8,671	5	-5,842	47		
TELECOM ITALIA	322	40	11,468	14	-197	30	-4,094	34	-8,391	22	-5,753	8	519	35	7,204	7	-7,067	48		
FRANCE TELECOM					59,536	2	105,438	3	-79,981	48	-89,885	48	-46,510	47	11,095	6	289	29	-11,761	49
DEUTSCHE TELEKOM	-4,792	44	50,524	4	192,848	2	-210,548	49	-65,908	46	-45,618	46	6,616	17	4,123	12	-14,813	50		
Sum	398,714		500,012		879,503		-327,329		-959,940		-1,069,206		216,879		40,924		292,902			

Appendix 3

Evolution of shareholder return in the companies of the Euro Stoxx 50

	1997		1998		1999		2000		2001		2002		2003		2004		2005	
	Return	Rank																
RWE	49%	23	0%	42	-16%	44	26%	10	-10%	17	-40%	33	32%	17	34%	5	60%	1
AXA	45%	26	77%	8	15%	26	15%	23	-38%	43	-43%	38	40%	13	11%	28	55%	2
BAYER	8%	43	8%	37	35%	18	22%	14	-34%	40	-41%	35	19%	29	10%	30	48%	3
SOCIETE GENERALE	52%	18	13%	35	73%	10	19%	17	-1%	13	-8%	9	34%	16	12%	24	45%	4
UNICREDITO ITALIANO	235%	1	81%	6	-2%	33	17%	20	-17%	29	-13%	16	17%	30	3%	35	44%	5
AEGON	67%	11	159%	3	-7%	40	-7%	38	-29%	37	-58%	45	1%	44	-11%	46	43%	6
FORTIS	50%	21	78%	7	1%	31	-1%	35	-13%	26	-41%	34	2%	43	34%	3	41%	7
SUEZ	42%	28	76%	9	-7%	39	25%	12	-10%	19	-50%	44	3%	41	31%	6	41%	8
ING GROEP CERTS.	41%	29	37%	21	18%	24	44%	3	-31%	38	-42%	37	22%	27	27%	8	38%	9
E.ON	40%	30	-17%	46	-3%	35	37%	5	-8%	16	-32%	26	40%	12	34%	4	38%	10
PHILIPS ELTN.KON	77%	9	5%	38	132%	5	16%	21	-13%	27	-49%	43	42%	11	-17%	49	37%	11
NOKIA	47%	25	224%	2	248%	1	6%	29	-38%	45	-47%	42	-8%	46	-14%	48	37%	12
ALLIANZ	67%	13	36%	23	6%	30	20%	16	-33%	39	-66%	49	26%	21	-1%	42	37%	13
TOTAL SA	60%	15	-11%	45	57%	14	22%	13	4%	9	-12%	14	14%	34	17%	21	36%	14
ENI	32%	35	10%	36	0%	32	28%	9	7%	7	13%	4	4%	39	28%	7	35%	15
LVMH	-29%	46	14%	34	196%	2	-20%	42	-34%	41	-12%	15	51%	6	0%	40	35%	16
SANOFI-SYNTHELABO	32%	33	37%	20	18%	25	74%	1	19%	2	-29%	24	5%	38	1%	37	35%	17
SAN PAOLO IMI	82%	5	73%	10	-5%	36	32%	7	-28%	36	-46%	41	74%	2	7%	32	33%	18
ENDESA	19%	39	42%	18	-11%	42	-6%	37	0%	12	-34%	29	43%	10	18%	18	33%	19
BNP PARIBAS	65%	14	47%	17	34%	20	5%	30	11%	5	-20%	19	34%	15	11%	26	33%	20
DANONE	53%	16	51%	15	-2%	34	40%	4	-13%	25	-4%	6	4%	40	6%	33	32%	21
REPSOL YPF	34%	31	19%	32	55%	15	-25%	44	-2%	14	-22%	20	25%	23	26%	9	31%	22
MUNCH.RUCK.	79%	6	21%	31	24%	23	50%	2	-20%	32	-62%	48	-10%	49	-5%	44	29%	23
IBERDROLA	12%	41	36%	25	-12%	43	0%	34	13%	4	-6%	7	22%	26	24%	12	28%	24
DAIMLERCHRYSLER					-6%	38	-40%	48	13%	3	-38%	32	32%	18	-1%	41	27%	25
DEUTSCHE BANK	78%	8	-21%	47	76%	9	8%	27	-10%	18	-44%	39	54%	5	2%	36	27%	26
BSCH	88%	3	14%	33	34%	19	3%	31	-16%	28	-28%	22	49%	7	0%	38	26%	27
BASF	10%	42	3%	39	62%	12	-4%	36	-11%	22	-11%	13	28%	19	23%	15	23%	28
AIR LIQUIDE	19%	40	25%	30	9%	27	8%	28	2%	10	-8%	8	16%	32	11%	29	23%	29
CREDIT AGRICOLE											-16%	17	39%	14	25%	11	22%	30
ALLIED IRISH BANKS	78%	7	81%	5	-24%	48	13%	25	9%	6	2%	5	3%	42	26%	10	22%	31
UNILEVER CERTS.	67%	12	30%	28	-24%	46	26%	11	0%	11	-9%	10	-8%	47	-1%	43	21%	32
GENERALI	53%	17	71%	12	-7%	41	30%	8	-26%	34	-36%	31	9%	36	21%	16	20%	33
ABN AMRO HOLDING	45%	27	3%	40	42%	17	1%	33	-22%	33	-10%	12	26%	22	11%	27	19%	34
BBVA	115%	2	36%	22	7%	28	14%	24	-11%	20	-32%	27	24%	24	23%	13	19%	35
SAP	33%	32	34%	26	-24%	47	20%	15	-48%	46	77%	1	-1%	45	18%	19	18%	36
SIEMENS	50%	20	3%	41	133%	4	10%	26	-19%	31	-45%	40	60%	3	0%	39	18%	37
SAINT GOBAIN	20%	38	-6%	43	60%	13	-7%	39	5%	8	-32%	25	46%	9	19%	17	17%	38
VIVENDI UNIVERSAL	75%	10	26%	29	-21%	45	-11%	40	-74%	49	25%	2	22%	25	16%	22	16%	39
CARREFOUR	-6%	45	36%	24	72%	11	-26%	45	-12%	24	-26%	21	5%	37	-17%	50	16%	40
RENAULT	52%	19	50%	16	28%	22	19%	19	-27%	35	16%	3	28%	20	17%	20	15%	41
L'OREAL	22%	37	73%	11	30%	21	15%	22	-11%	21	-9%	11	-9%	48	-13%	47	14%	42
AHOLD KON.	49%	22	33%	27	-6%	37	19%	18	-3%	15	-62%	47	-41%	50	-7%	45	11%	43
LAFARGE	32%	34	41%	19	43%	16	-21%	43	24%	1	-29%	23	10%	35	6%	34	11%	44
ENEL							2%	32	-19%	30	-17%	18	16%	31	48%	1	-1%	45
TELEFONICA	47%	24	54%	14	104%	7	-29%	46	-11%	23	-41%	36	47%	8	23%	14	-1%	46
ALCATEL	87%	4	-9%	44	123%	6	34%	6	-68%	48	-78%	50	144%	1	12%	25	-9%	47
FRANCE TELECOM	108%	4	98%	8	-29%	47	-50%	47	-60%	46	57%	4	10%	31	-12%	48		
DEUTSCHE TELEKOM	5%	44	69%	13	157%	3	-54%	49	-38%	44	-34%	30	20%	28	15%	23	-14%	49
TELECOM ITALIA	28%	36	513%	1	6%	29	-11%	41	-37%	42	-32%	28	14%	33	37%	2	-15%	50

Appendix 4

Volatility in the companies of the Euro Stoxx 50 in December 2005.
 (calculated at the end of the year with monthly data of the previous 12 months)

	1999	2000	2001	2002	2003	2004	2005							
ALCATEL	36%	7	50%	2	69%	2	127%	2	49%	7	40%	2	31%	1
AHOLD KON.	19%	39	32%	20	15%	47	45%	25	133%	1	23%	4	28%	2
DAIMLERCHRYSLER (XET)	36%	8	29%	24	53%	9	37%	32	29%	25	18%	13	24%	3
ENDESA	21%	34	26%	32	11%	49	43%	28	19%	43	13%	33	24%	4
RENAULT	52%	1	38%	10	40%	11	30%	35	46%	9	13%	29	22%	5
ING GROEP CERTS.	25%	23	21%	42	20%	36	57%	15	49%	8	16%	18	21%	6
BAYER (XET)	25%	24	35%	15	33%	17	47%	19	51%	6	25%	3	20%	7
MUNCH.RUCK. (XET)	36%	9	24%	35	15%	48	62%	8	81%	2	20%	8	20%	8
PHILIPS ELTN.KON	25%	25	39%	9	49%	10	58%	12	34%	16	13%	31	20%	9
CARREFOUR	30%	15	28%	26	18%	40	33%	33	25%	30	18%	14	19%	10
BASF (XET)	29%	20	29%	25	23%	26	29%	36	26%	28	11%	42	19%	11
SAN PAOLO IMI	23%	31	41%	7	22%	28	61%	9	23%	34	19%	10	18%	12
TELECOM ITALIA	50%	3	42%	5	58%	5	46%	22	17%	46	15%	25	18%	13
AEGON	30%	16	36%	13	31%	18	76%	4	63%	4	22%	6	18%	14
SAP (XET)	52%	2	65%	1	62%	4	87%	3	37%	12	15%	21	18%	15
LAFARGE	30%	17	35%	14	25%	22	24%	40	38%	11	13%	30	18%	16
LVMH	41%	6	25%	33	55%	8	40%	30	23%	35	13%	32	18%	17
CREDIT AGRICOLE							42%	29	20%	38	12%	37	18%	18
REPSOL YPF	21%	35	30%	22	23%	25	25%	39	16%	49	12%	40	18%	19
GENERALI	24%	30	21%	43	21%	35	39%	31	30%	20	13%	28	17%	20
AXA	21%	36	21%	44	36%	14	73%	5	34%	15	17%	15	17%	21
L'OREAL	28%	21	32%	18	21%	32	19%	46	26%	29	15%	24	17%	22
SANOFI-AVENTIS	25%	26	23%	38	23%	27	15%	50	27%	26	12%	36	17%	23
SIEMENS (XET)	33%	14	46%	3	57%	6	57%	13	32%	19	11%	41	17%	24
SAINT GOBAIN	22%	32	34%	16	19%	38	61%	10	29%	23	9%	47	17%	25
UNICREDITO ITALIANO	19%	40	26%	31	19%	37	22%	41	23%	36	12%	34	16%	26
NOKIA	44%	5	27%	28	80%	1	51%	16	33%	17	49%	1	16%	27
ALLIANZ (XET)	30%	18	23%	37	25%	24	57%	14	75%	3	22%	5	16%	28
DEUTSCHE BANK (XET)	35%	12	38%	11	39%	12	43%	27	30%	22	19%	12	16%	29
DANONE	18%	43	25%	34	22%	30	22%	44	19%	44	12%	39	16%	30
ABN AMRO HOLDING	24%	28	28%	27	31%	19	63%	6	24%	31	11%	43	16%	31
TOTAL	25%	27	18%	48	22%	31	16%	49	18%	45	8%	49	16%	32
VIVENDI UNIVERSAL	30%	19	39%	8	36%	13	62%	7	32%	18	19%	11	15%	33
BBV ARGENTARIA	22%	33	19%	47	31%	20	45%	23	30%	21	12%	35	15%	34
ENI	17%	46	22%	40	16%	45	17%	48	20%	41	11%	45	14%	35
FRANCE TELECOM	36%	10	37%	12	68%	3	135%	1	43%	10	21%	7	14%	36
RWE (XET)	20%	37	32%	19	18%	39	32%	34	35%	14	15%	22	14%	37
BNP PARIBAS	24%	29	23%	39	21%	34	47%	20	22%	37	8%	48	14%	38
DEUTSCHE TELEKOM (XET)	47%	4	43%	4	56%	7	60%	11	24%	32	17%	16	13%	39
BNC.SANTANDER CTL.HISP.	16%	47	27%	30	25%	23	50%	17	29%	24	15%	23	13%	40
AIR LIQUIDE	19%	41	20%	46	16%	44	18%	47	20%	40	12%	38	13%	41
IBERDROLA	18%	44	24%	36	18%	41	26%	38	13%	50	11%	44	13%	42
E ON (XET)	20%	38	30%	23	17%	43	22%	45	24%	33	10%	46	13%	43
SOCIETE GENERALE	36%	11	22%	41	26%	21	46%	21	26%	27	6%	50	13%	44
SUEZ	18%	45	21%	45	18%	42	44%	26	56%	5	20%	9	12%	45
UNILEVER CERTS.	15%	48	34%	17	22%	29	22%	43	20%	39	17%	17	12%	46
FORTIS (AMS)	19%	42	27%	29	21%	33	45%	24	35%	13	16%	19	11%	47
ALLIED IRISH BANKS	28%	22	42%	6	34%	15	28%	37	17%	47	16%	20	11%	48
TELEFONICA	34%	13	31%	21	34%	16	47%	18	19%	42	14%	26	10%	49
ENEL	0%	49	16%	49	16%	46	22%	42	17%	48	13%	27	7%	50

REFERENCES

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