

## ESCENARIOS DE USO DE RATIOS EN ESEF:

## EL CASO ERICA (EUROPEAN RECORDS OF IFRS ACCOUNTS DATABASE)

### **Manuel Ortega**

Jefe de la División de Central de Balances. Banco de España  
Miembro del Consejo Directivo de XBRL España  
Ex-Presidente ERICA WG

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## ÍNDICE

1. Experiencia de ERICA en grupos no financieros cotizados
2. ERICA WG especialistas en definición y análisis de ratios
3. ESEF, un reto para la homogeneización efectiva



**ERICA**: acrónimo para **European Records of IFRS Consolidated Accounts**  
Cuentas anuales consolidadas bajo IFRS de grupos cotizados europeos no financieros



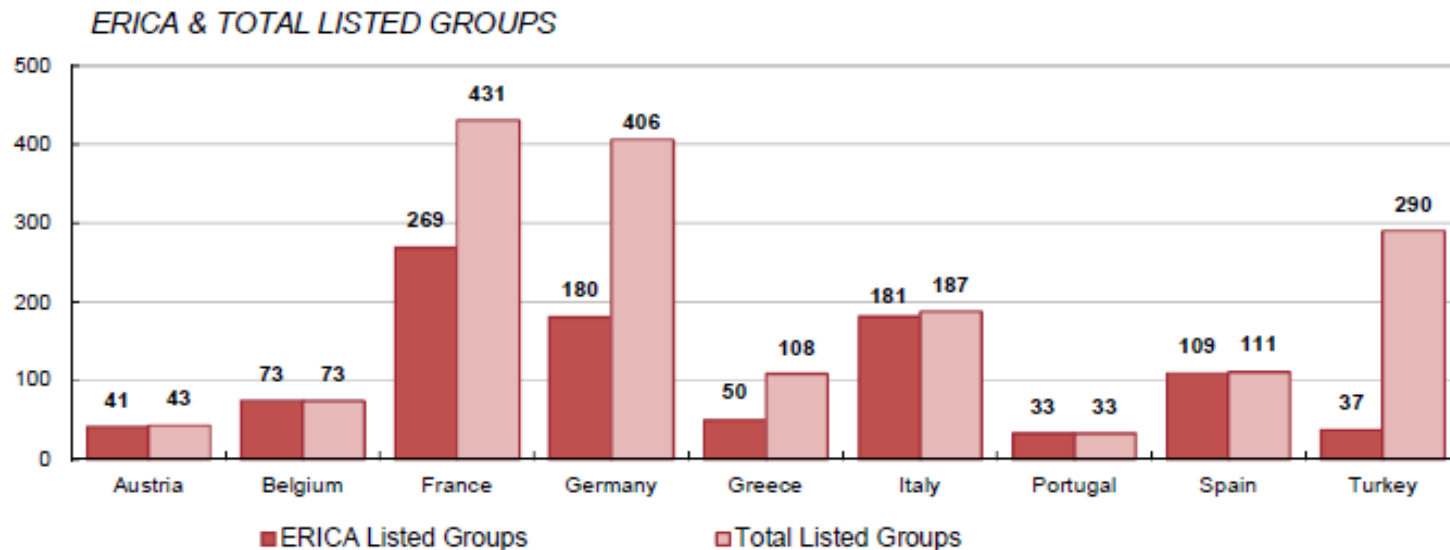
1. Grupo de trabajo del **Comité Europeo de Centrales de Balances**, creado en 2003
2. Funciones:
  1. Creación y mantenimiento de formatos homogéneos basados en IFRS y de la Base de Datos ERICA
  2. Evaluación de impacto de implantación de las IFRS
  3. Seguimiento de las taxonomías IFRS XBRL
  4. Monitoriza el uso de XBRL -> reducción carga de reporte

### **Participantes:**

Banco Central Europeo (**BCE**) y Bancos Centrales Nacionales (**BCN**) de: **Austria, Bélgica, Francia, Alemania, Grecia, Italia, Portugal, España.**  
*También participa el **BCN** de **Turquía***

**Cerved Group Spa** - Centrale dei Bilanci

**IASB** International Accounting Standards Board – Equipo XBRL



## BD ERICA (2005 a 2019):

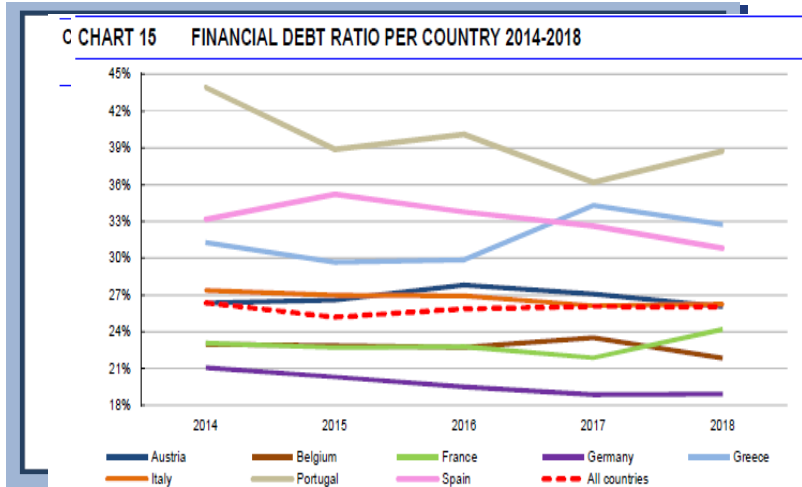
1. Aprox. 1.000 grupos cotizados no financieros
2. Cobertura próxima al 100% (según cifra de negocios)
3. Más de 15.600 cuestionarios
4. 278 elementos capturados

## Múltiples fines:

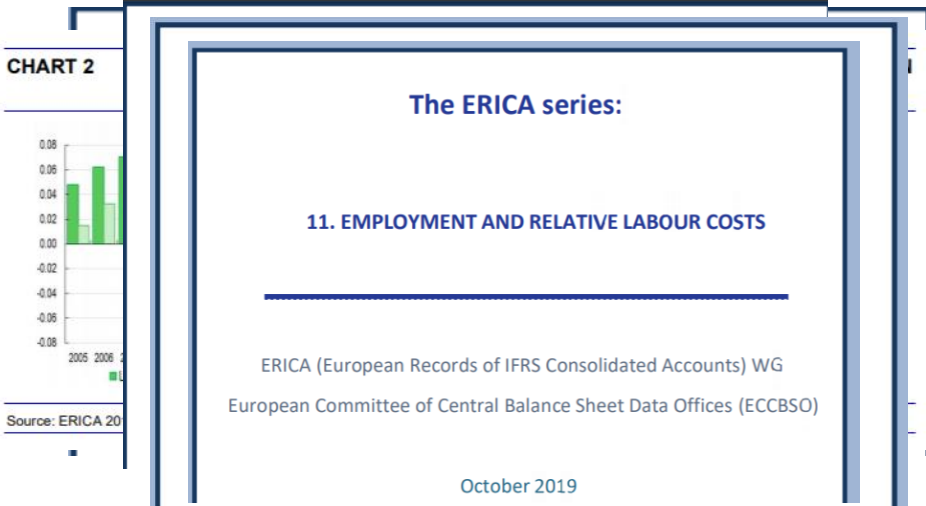
1. Estabilidad financiera
2. Investigación
3. Análisis económico y financiero
4. Estadística (Cuentas Financieras)
5. Análisis del Riesgo

# Productos del ERICA WG y uso de ratios (I)

## 1. Informe Anual ERICA



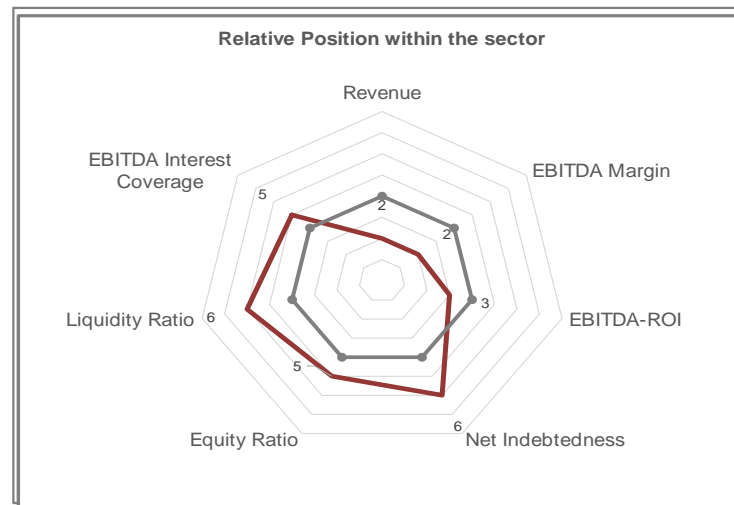
## 2. ERICA Series



## 3. Resumen Estadístico

Variable	Year	Ave	Max	Min	Q1	Q2	Q3		
NET CASH FLOWS FROM (USED IN)	2018	-417.675	-402.638.297	964	-34.152.000	2.191.000	-151.714	-26.890	-3.258
NET CASH FLOWS FROM (USED IN)	2018	-45.355	-43.722.218	964	-12.179.005	24.566.000	-57.686	-2.921	10.031
NET INCREASE IN CASH AND CASH	2018	27.228	26.247.620	964	-3.917.000	10.248.000	-11.216	487	21.874
Number of employees' average	2018	17.145	12.378.391	722	1	655.722	496	1.902	9.431
Number of employees at end of p	2018	25.910	11.504.081	444	0	664.496	526	2.425	14.247
EBIT, adjusted	2018	347.919	202.140.808	581	-3.368.000	13.920.000	6.016	36.534	189.461
Net worth	2018	700.576	675.355.171	964	-92.784.020	77.900.293	2.420	79.392	447.801
Assets, continued operations	2018	8.394.771	6.421.999.563	765	2.517	283.169.000	179.299	803.417	4.007.016
Self financing ability	2018	0,0150		964	-94,2507	0,9332	0,0353	0,1782	0,3275
Net indebtedness ratio	2018	0,1557		952	-0,8369	3,9917	0,0143	0,1591	0,2940
Financial leverage	2018	0,2755		952	0,0000	4,3861	0,1397	0,2607	0,3788
Financial structure ratio	2018	2,405,5489		952	0,0000	88,042,0000	0,2823	0,6509	1,2301
Equity ratio	2018	0,4046		964	-5,6147	0,9778	0,2860	0,4142	0,5309
Debt ratio	2018	0,5954		964	0,0222	6,6147	0,4691	0,5858	0,7140
Capital interest burden	2018	0,0157		560	0,0000	0,6518	0,0057	0,0114	0,0196
Capital interest burden II	2018	3,3774		556	0,0000	800,0000	0,0183	0,0296	0,0481
EBITDA interest coverage	2018	1,482,6638		233	-721,3019	284,454,0000	4,2264	13,7015	37,6691
Return on cash flow	2018	22,3701		354	-21,699,0000	31,849,0000	0,0330	0,0858	0,1644
CFO - financial debt coverage	2018	408,5402		952	-6,216,5714	85,839,0000	0,7475	3,1087	6,1127
EBITDA - ROI (return on investor)	2018	0,0960		233	-0,3155	0,6818	0,0546	0,0927	0,1353
EBIT - ROI	2018	0,0448		964	-3,9138	0,6492	0,0270	0,0537	0,0881
EBITDA margin	2018	-65,1898		233	-14,445,0000	3,3881	0,0690	0,1316	0,2332

## 4. Posición Relativa en Análisis del Riesgo



# Productos del ERICA WG y uso de ratios (II)

Documents

ERICA (European Records of IFRS Consolidated Accounts) database. This database includes around 1.000 non-financial listed groups of the participating countries (Austria, Belgium, France, Italy, Germany, Greece, Portugal, Spain and Turkey)

**ERICA I**

**DATABASE CONTENTS | *Template***

For more information on the content of each element, we refer to the Methodological Note

RATIOS	
r04 b	Financial leverage
r04c	Financial structure ratio
r05	Equity ratio
r06	Debt ratio
r07a	Capital interest burden
r07 b	Capital interest burden II
r07c	EBITDA interest coverage
r08	Return on cash flow
r09	CFO - financial debt coverage
r10a	EBITDA - ROI (return on investment)
r10 b	EBIT - ROI
r10c	EBITDA margin
r10d	EBIT margin

# ERICA WG, valor de tener una base de datos Europea: referencias estadísticas para el análisis y la supervisión

<b>COUNTRY OF INCORPORATION:</b>		
<input type="text"/>		
<b>NAME OF REPORTING ENTITY:</b>		
<input type="text"/>		
<b>ASSETS</b>	<b>IFRS Paragraph</b>	<b>XBRL Taxonomy C</b>
<b>I. ASSETS, NON-CURRENT, TOTAL</b>	<b>1.66, 31.56</b>	<b>IFRS</b>
<b>1. Property, plant and equipment</b>	<b>1.54.a, 16.73.d</b>	<b>IFRS</b>
1.1. Land and buildings	16.37.b	IFRS
1.2. Plant and equipment	16.73.e	CBSO-RF
1.3. Remaining property, plant and equipment	<a href="#">Help</a> 16.37	CBSO-RF
1.4. Construction in progress and payments in advance	16.73.e	IFRS
<b>2. Investment property</b>	<a href="#">Help</a> <b>1.54.b, 40.79.c, 40.76, 40.8.e</b>	<b>IFRS</b>
<b>3. Intangible assets and goodwill</b>	<b>1.54.c, 1.55 CP</b>	<b>IFRS</b>
3.1. Goodwill	IFRS 3.B67.d	IFRS
3.2. Development costs	38.119.g	IFRS
3.3. Computer software, copyrights, patents and other industrial property rights, service and operating rights	38.119.c, 38.119.e	CBSO-RF
3.4. Remaining intangible assets	<a href="#">Help</a> 38.119	CBSO-RF
<b>4. Biological assets, total</b>	<a href="#">Help</a> <b>1.54.f</b>	<b>IFRS</b>



IFRS Paragraph	XBRL Taxonomy	CBSO code	Sample	in thousand EUR					
				Average	Q1	Q2	Q3	Minimum	Maximum
<b>1.66, 31.56</b>	<b>IFRS</b>	<b>3</b>	<b>1.113</b>	<b>4.384.900,03</b>	<b>63.794,00</b>	<b>245.530,00</b>	<b>1.432.439,00</b>	<b>85,00</b>	<b>254.010.000,00</b>
<b>1.54.a, 16.73.d</b>	<b>IFRS</b>	<b>30</b>	<b>1.112</b>	<b>1.708.904,76</b>	<b>13.139,50</b>	<b>75.080,50</b>	<b>460.109,25</b>	<b>0,00</b>	<b>131.253.000,00</b>
16.37.b	IFRS	300	1.033	438.440,96	5.656,00	33.081,00	162.383,00	0,00	92.384.000,00
16.73.e	CBSO-RF	301	994	930.921,11	2.267,25	22.975,50	172.357,75	0,00	62.991.000,00
16.37	CBSO-RF	309	1.092	368.408,78	1.320,50	7.103,00	45.641,50	0,00	92.145.854,00
16.73.e	IFRS	303	698	171.568,20	196,75	3.309,00	35.310,25	0,00	18.656.000,00
<b>1.54.b, 40.79.c, 40.76, 40.8.e</b>	<b>IFRS</b>	<b>310</b>	<b>719</b>	<b>241.610,39</b>	<b>0,00</b>	<b>0,00</b>	<b>7.396,00</b>	<b>0,00</b>	<b>36.380.900,00</b>
<b>1.54.c, 1.55 CP</b>	<b>IFRS</b>	<b>32</b>	<b>1.113</b>	<b>1.510.141,96</b>	<b>8.195,00</b>	<b>53.308,00</b>	<b>340.079,00</b>	<b>0,00</b>	<b>171.806.280,00</b>
IFRS 3.B67.d	IFRS	320	1.068	914.873,46	1.546,00	25.136,50	193.869,00	0,00	129.525.662,00
38.119.g	IFRS	321	610	117.490,35	0,00	218,50	8.481,50	0,00	19.572.000,00

# Formato ERICA: carga manual, excepto España (gracias a formato XBRL de la CNMV)

**ERICA: Formato homogéneo actualizado anualmente. Basado en taxonomía IFRS**  
 España: Input desde IPP (formato cerrado homogéneo en XBRL) -> mapeo con formato ERICA.  
 Resto participantes: carga manual



**Grupos Cotizados Consolidados No Financieros**



II. INFORMACIÓN FINANCIERA SELECCIONADA

BALANCE INDIVIDUAL, ELABORADO UTILIZANDO LA NORMATIVA CONTABLE EN VIGOR DE CARÁCTER NACIONAL (1)

Miles €	ACTIVO	P. ANTERIOR	
		30.06.2020	30.06.2019
<b>ACTIVO NO CORRIENTE</b>			
1	Inmovilizado intangible	8040	8039
	de donde:	8037	
	de otro inmovilizado intangible	8032	
2	Inmovilizado material	8033	
	Inversiones inmobiliarias	8024	
4	Inversiones en empresas del grupo y asociadas a largo plazo	8035	
5	Inversiones financieras a largo plazo	8036	
6	Activos por impuestos diferidos	8037	
7	Otros activos no corrientes	8038	
<b>ACTIVO CORRIENTE</b>			
1	Activos corrientes mantenidos para la venta	8039	
2	Deudores	8040	
3	Derechos cambiarios y otros instrumentos de cobertura	8041	
4	Clientes por ventas y prestaciones de servicios	8042	
5	Otros deudores	8043	
6	Activos por impuestos corrientes	8044	



COUNTRY OF INCORPORATION:	COUNTRY OF INCORPORATION:	COUNTRY OF INCORPORATION:	EUR Period				
NAME OF REPORTING ENTITY:	NAME OF REPORTING ENTITY:	NAME OF REPORTING ENTITY:	IFRS Paragraph	XBRL Taxonomy	CBSO code	Current	Previous
INCOME STATEMENT BY FUNCTION	ASSETS	STATEMENT OF CASH FLOWS: INDIRECT METHOD					
1a. Gross profit	<b>I. ASSETS, NON-CURRENT, TOTAL</b>	<b>I. CASH AND CASH EQUIVALENTS, BEGINNING BALANCE</b>	7.45	IFRS	80	0	
1a.1. (Operating) Revenue	<b>1. Property, plant and equipment, net</b>	<b>II. NET CASH FLOWS FROM (USED IN) OPERATING ACTIVITIES (1 + 2 or A + B)</b>	7.10	IFRS	81	0	0
1a.2. (-) Cost of sales	1.1. Land and buildings	<b>1. Cash flows from (used in) operations, total</b>	7.18.a, 7.14	CBSO-RF	810	0	0
1b. Other operating income, total	1.2. Plant and equipment, net	1.1. Receipts from customers	7.14.a, 7.14.t	IFRS	8100		
of which, income from government grants	1.3. Remaining property, plant and equipment, net	1.2. (-) Payments to suppliers and employees	7.14.c	CBSO-RF	8102		
2. (-) Operating expenses	1.4. Construction in progress, net	1.3. Remaining cash flows from (used in) operations	Help	CP	8107		
2.1. (-) Marketing and distribution costs	<b>2. Investment property</b>	<b>2. Cash flows from (used in) other operating activities, total</b>	Help	CP	819		
2.2. (-) Research and development [by function]	3.1. Goodwill, net	<b>A. Cash flows from (used in) operations (A1 - A2)</b>	7.18.b, 7.14	CBSO-RF	815	0	0
2.3. (-) Administrative expenses	3.2. Development costs, net	<b>A1. Cash flows before changes in working capital</b>	Help	7.20.a	8150		
2.4. (-) Restructuring costs	3.3. Software, net	<b>A2. Increase (decrease) in working capital, net</b>	Help	7. appendix	8151		
2.5. (-) Miscellaneous other operating expenses [by function]	3.4. Patents, trade marks and other rights, net	<b>B. Cash flows from (used in) other operating activities, total</b>	Help	CP	819		
3. Gain (loss) in changes in fair value of non-current assets	3.5. Remaining intangible assets						
4. Profit (loss) from continuing operations before tax, finance and related costs	<b>4. Biological assets, total</b>						
	5. Investments in related parties						



# ERICA WG, trabajo de mapeo realizado por los demás países. Futuro del uso de ESEF

COUNTRY OF INCORPORATION:					
NAME OF REPORTING ENTITY:					
ASSETS	IFRS Paragraph	XBRL Taxonomy	CBSO code	EUR Period	
				Current	Previous
<b>I. ASSETS, NON-CURRENT, TOTAL</b>	1.51	CBSO-RF	3	0	0
<b>1. Property, plant and equipment, net</b>	1.68.a, 16.73.	IFRS-GP	30	0	0
1.1. Land and buildings	16.37.b	CBSO-RF	300		
1.2. Plant and equipment, net	16.73.e	IFRS-GP	301		
1.3. Remaining property, plant and equipment, net (a)	Help 16.37	CBSO-RF	309		
1.4. Construction in progress, net	16.73.e	IFRS-GP	302		
<b>2. Investment property</b>	Help 1.68.b, 40.79.	IFRS-GP	31		
<b>3. Intangible assets, net</b>	1.68.c	IFRS-GP	32	0	0
3.1. Goodwill, net	IFRS 3.75.a	IFRS-GP	320		
3.2. Development costs, net	38.118.e	IFRS-GP	321		
3.3. Software, net	38.118.e	IFRS-GP	322		
3.4. Patents, trade marks and other rights, net	38.118.e	IFRS-GP	323		
3.5. Remaining intangible assets (a)	Help 38.119		328		
<b>4. Biological assets, non-current</b>	Help 1.68.f	IFRS-GP	33		
<b>5. Investments in related parties</b>	Help 27.37.a, 1.68.	CBSO-RF	34		
<b>6. Deferred tax assets</b>	1.68.n, 12.81.	IFRS-GP	35		
<b>7. Other financial assets, non-current</b>	Help 1.68.d	IFRS-GP	36	0	0
7.1. Shares, non-current (including participations)	39.46	CBSO-RF	360		
7.2. Securities other than shares, non-current	39.46	CBSO-RF	361		
7.3. Loans, non-current	39.46.a	CBSO-RF	362		
7.4. Loans to related parties, non-current	24.17	CBSO-RF	363		
7.5. Remaining financial assets, non-current (a)	CP		368		
<b>8. Hedging assets, non-current</b>	1.68.d	IFRS-GP	37		
<b>9. Remaining assets, non-current (a)</b>	Help 1.75.j, 1.57.d	CBSO-RF	39		
of which, post-employment benefit surplus	19.58	CBSO-RF	3990		
<b>II. ASSETS, CURRENT, TOTAL</b>	1.54	CBSO-RF	4	0	0

## 6 Property, plant and equipment

The detail of "Property, Plant and Equipment" and of the related accumulated depreciation and accumulated impairment losses at 31 December 2006 and 2005, and of the changes therein is as follows:

	Millions of euros							Total
	Land, buildings and other structures	Machinery and plant	Investments in areas with reserves	Other exploration costs	Transport equipment	Other items of property, plant and equipment	In the course of construction	
<b>Cost</b>								
<b>Balance at 1 January 2005</b>	2,189	15,630	23,814	570	1,292	1,312	1,163	45,970
Additions (1)	119	465	1,554	131	12	305	587	3,173
Disposals or derecognitions	(12)	(195)	(416)	(45)	(5)	(79)	(6)	(758)
Translation differences	142	663	3,399	25	87	74	75	4,465
Change in the scope of consolidation	38	153	–	–	4	70	39	304
Reclassifications and other changes (2)	(50)	660	368	(15)	15	(91)	(567)	320
<b>Balance at 31 December 2005</b>	2,426	17,376	28,719	666	1,405	1,591	1,291	53,474
Additions (1)	27	530	3,080	276	8	384	1,112	5,417
Disposals or derecognitions	(18)	(89)	(553)	(66)	(4)	(112)	(40)	(882)
Translation differences	(74)	(517)	(2,843)	(57)	(70)	(75)	(31)	(3,667)
Change in the scope of consolidation	1	3	25	–	3	10	–	42
Reclassifications and other changes (2)	(103)	754	(2,085)	140	(3)	(192)	(790)	(2,279)
<b>Balance at 31 December 2006</b>	2,259	18,057	26,343	959	1,339	1,606	1,542	52,105
<b>Accumulated Depreciation and Impairment Losses</b>								
<b>Balance at 1 January 2005</b>	(738)	(9,265)	(13,879)	(472)	(451)	(862)	–	(25,667)
Depreciation charge for the year	(54)	(780)	(1,322)	(52)	(46)	(74)	–	(2,328)
Disposals or derecognitions	3	124	335	49	5	22	–	538
Impairment losses (recognised)/reversed (3)	(20)	–	(74)	–	–	–	–	(94)
Translation differences	(43)	(358)	(1,961)	(14)	(58)	(31)	–	(2,465)
Change in the scope of consolidation	(25)	(83)	–	–	(3)	(62)	–	(173)
Reclassifications and other changes (2)	2	87	(41)	–	(8)	(21)	–	19
<b>Balance at 31 December 2005</b>	(875)	(10,275)	(16,942)	(489)	(561)	(1,028)	–	(30,170)
Depreciation charge for the year	(57)	(857)	(1,744)	(185)	(47)	(74)	–	(2,964)
Disposals or derecognitions	6	73	545	64	4	15	13	720
Impairment losses (recognised)/reversed (3)	(4)	(31)	(212)	–	–	(3)	(1)	(251)
Translation differences	31	289	1,671	33	49	24	–	2,097
Change in the scope of consolidation	–	–	(11)	–	(1)	(4)	–	(16)
Reclassifications and other changes (2)	221	109	1,523	(12)	7	132	(26)	1,954
<b>Balance at 31 December 2006</b>	(678)	(10,692)	(15,170)	(589)	(549)	(938)	(14)	(28,630)
<b>Carrying amount at 31 December 2006 (4)</b>	1,581	7,365	11,173	370	790	668	1,528	23,475

(1) In 2006 the main additions were in Argentina (EUR 1,222 million), the U.S. (EUR 1,838 million), the rest of Latin America (EUR 689 million) and in Spain (EUR 954 million). Of the investments in the U.S., EUR 663 million relate to the purchase of proven reserves and EUR 1,064 million to non-proven reserves in the Shenzi field in the Gulf of Mexico. In 2005 the main additions to this account related to Argentina (EUR 1,060 million), to the rest of Latin America (EUR 955 million), to North Africa and the Middle East (EUR 64 million) and to Spain (EUR 959 million).

(2) Including EUR 210 million in 2006 net of accumulated depreciation corresponding to the reclassification of available-for-sale assets, EUR 253 million for the recording of a provision for field dismantling costs (see Note 19) and EUR 132 million for transfers to intangible assets. 2005 included costs (see Note 19) and EUR 132 million relating to the provision for field dismantling costs.

(3) (See Note 13).

(4) At 31 December 2006 and 2005, the accumulated impairment losses recognised amounted to EUR 758 million and EUR 724 million, respectively.

## ESEF: reducción de costes, aumento de homogeneidad, con limitaciones

### **ESEF en el resto de Europa: ganancia en los procesos de carga, pero:**

1. ESEF no es una lista cerrada de etiquetas XBRL (extensiones y anchoring)
2. Hay opciones para elección por los reportantes

### **De IPP a ESEF, el caso de España:**

1. Pasaremos de 528 etiquetas consolidadas incluidas en IPP
2. A aprox 2800 requerimientos de etiquetas ofrecidas en ESEF
3. No existe obligación para cada grupo cotizado de mantener los mismos detalles de información en años sucesivos: reto homogeneización temporal

### **Necesidad de “mapear” las etiquetas flexibles a un modelo cerrado**

1. Imprescindible con fines estadísticos y de investigación
2. Conveniente para el análisis del riesgo y supervisor, aunque sujeto a interpretación por los expertos

GRACIAS POR SU ATENCIÓN

