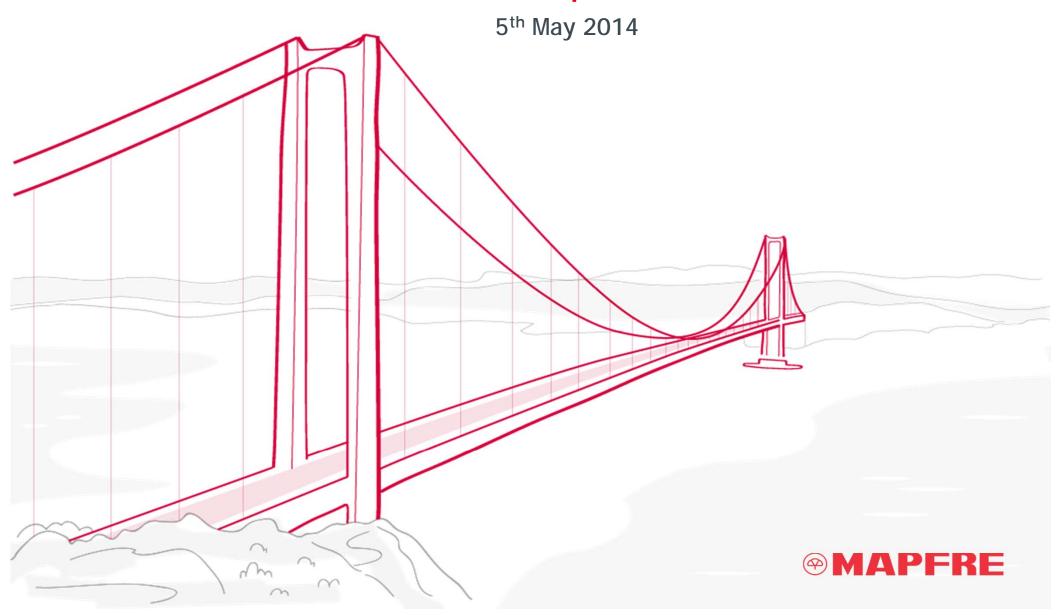
# **European Embedded Value 2013**





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### Development of the EEV in 2013

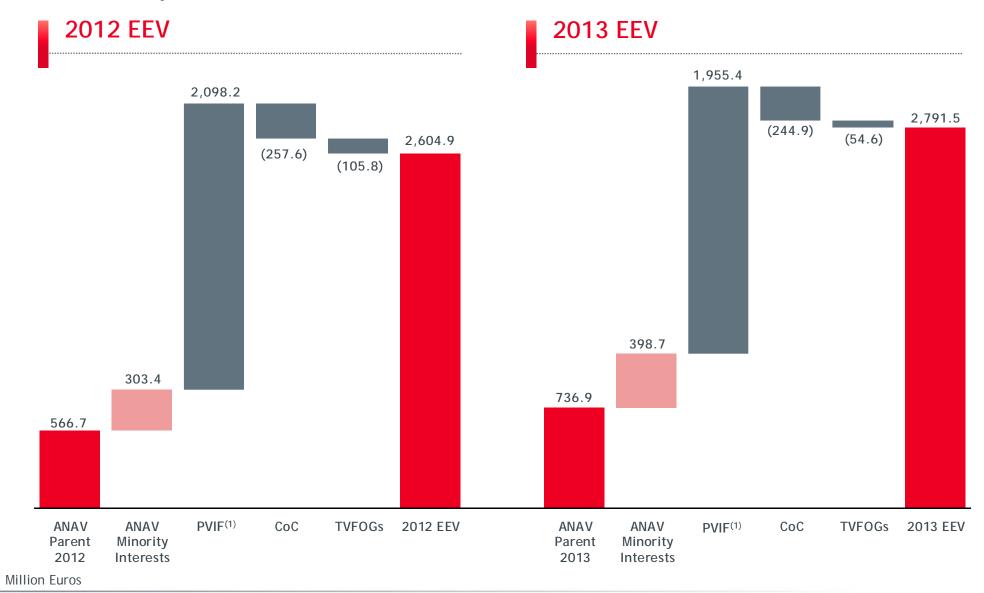
		2013	△ %
Value of In-force Business (VIF) <sup>(1)</sup>		1,655.9	-4.5%
European Embedded Value (EEV)		2,791.5	7.2%
	Attributable to the Parent Company	1,958.5	9.0%
	Attributable to Minority Interests	833.0	3.1%
Return on Embedded Value (RoEV)		8.5%	3.5 p.p.
Present Value of New Business Income (PVNBI) <sup>(1)</sup>		3,617.4	5.4%
Value added by new business <sup>(1)</sup>		149.9	-18.1%
New business margin		4.1%	-1.2 p.p.

### Key highlights

- Increase in the market value of financial investments
- Higher value added by mutual funds businesses
- Lower volumes of new lending-related business in the bancassurance channel
- Increase in lapse rates as a result of the economic environment



### EEV components and their variation in 2013



<sup>1)</sup> No adjustments made for the share of minority interests



### Breakdown of the 2013 EEV

### By business line

	€ mill.	%	△ %
Adjusted Net Asset Value	1,135.6	40.7%	30.5%
Net PVIF <sup>(1)</sup> - Life Assurance <sup>(2)</sup>	1,380.8	49.5%	-9.1%
- PVIF	1,610.3		-8.6%
- CoC	(229.5)		-5.2%
Net PVIF <sup>(1)</sup> - Mutual Funds	148.3	5.3%	89.4%
- PVIF	149.9		88.8%
- CoC	(1.6)		45.5%
Net PVIF <sup>(1)</sup> - Pension Funds	181.4	6.5%	-25.3%
- PVIF	195.2		-24.2%
- CoC	(13.8)		-5.1%
TVFOGs	(54.6)	-2.0%	-48.4%
EEV 2013	2,791.5	100.0%	7.2%
Initial capital used to calculate the CoC <sup>(3)</sup>	804.2	000000000000000000000000000000000000000	0.7%

### By distribution channel

	€ mill.	%	△ %
Adjusted Net Asset Value	1,135.6	40.7%	30.5%
Net PVIF - Agents' channel	825.2	29.6%	1.3%
- PVIF	957.0		1.3%
- CoC	(131.8)		1.5%
Net PVIF - Bank channels	885.3	31.7%	-13.7%
- PVIF	998.4		-13.5%
- CoC	(113.1)		-11.5%
TVFOGs	(54.6)	-2.0%	-48.4%
EEV 2013	2,791.5	100.0%	7.2%
Initial capital used to calculate the CoC <sup>(3)</sup>	804.2	000000000000000000000000000000000000000	0.7%

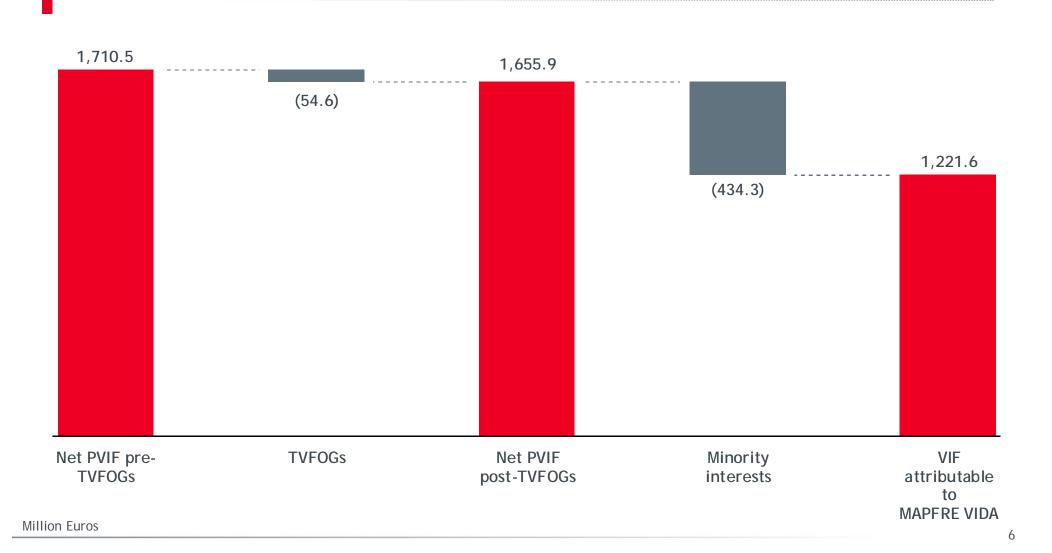
<sup>1)</sup> PVIF = "Present Value of In-Force business". For consistency purposes, in 2013 the business resulting from Other Managed Portfolios has been totally reclassified into Mutual Funds, whereas it was previously distributed between Mutual and Pension Funds. Based on this new criteria, the increases in net PVIF for 2012 would have been +29% and -12%, respectively.

<sup>2)</sup> Includes the in-force values of the Life assurance and accidental death insurance businesses

<sup>3)</sup> EEV calculations based on an amount of capital equal to 100% of the minimum required solvency margin as at 31/12/2013



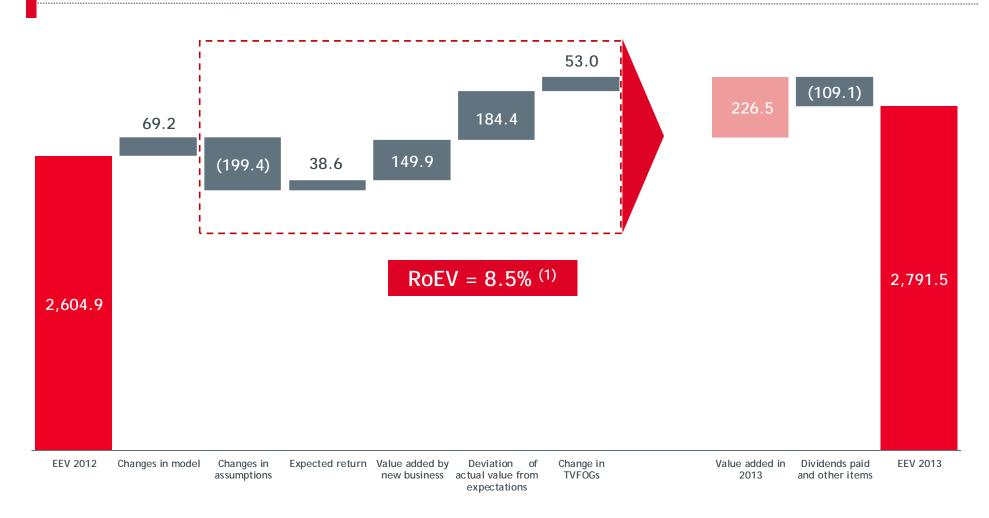
## Share of the parent company in the 2013 VIF





### Value added in 2013

### Change in Embedded Value





### Analysis of the main variations in EEV

### Change

### **Description**

# Changes in model

 Reflects mainly the inclusion of parts of the business not previously modelled, such as the accidents portfolio transferred from MAPFRE Familiar (+€22 million) and the business from a new group annuities portfolio (+€48 million)

# Changes in assumptions

• The negative impact of the changes in assumptions reflects mainly an increase in claims and expenses<sup>(1)</sup> (-€140 million), as well as higher lapse rates (-€84 million), partly offset by the positive effect of higher financial margins (+€21 million)

### **Expected return**

 Includes the impact of the unwinding of the discount rate (+€37 million), and the expected after-tax investment return on the adjusted net asset value at the beginning of the year, net of the cost of capital (+€2 million)



### Analysis of the main variations in EEV (contd.)

### Change

### Description

Deviation of actual value from expectations

 Reflects primarily the positive impact on the net asset value of the adjustments to the valuation of financial investments

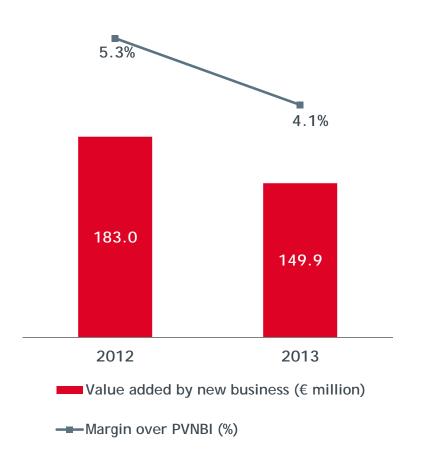
#### **TVFOGs**

• The positive variation in the TVFOGs is due to the upturn in the yield curve, the increase in unrealised capital gains in financial investments and the lower residual duration of with-profit portfolios



### Value added by new business

### Development of the value added



### Key highlights

3

Better performance of the agents' channel, mainly thanks to a larger issuance of mutual funds

**A** 

Lower volume of new business in the bank channel, especially in products linked to loans



Increase in the projected lapse rate

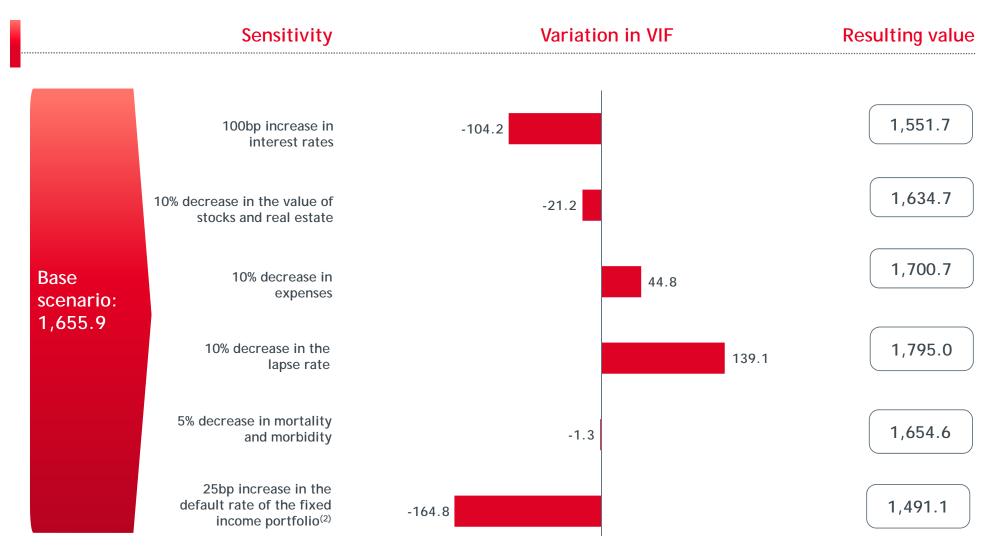


Lower weight of individual Life-Protection insurance with respect to the new business portfolio





### Sensitivity analysis of the value of in-force business<sup>(1)</sup>

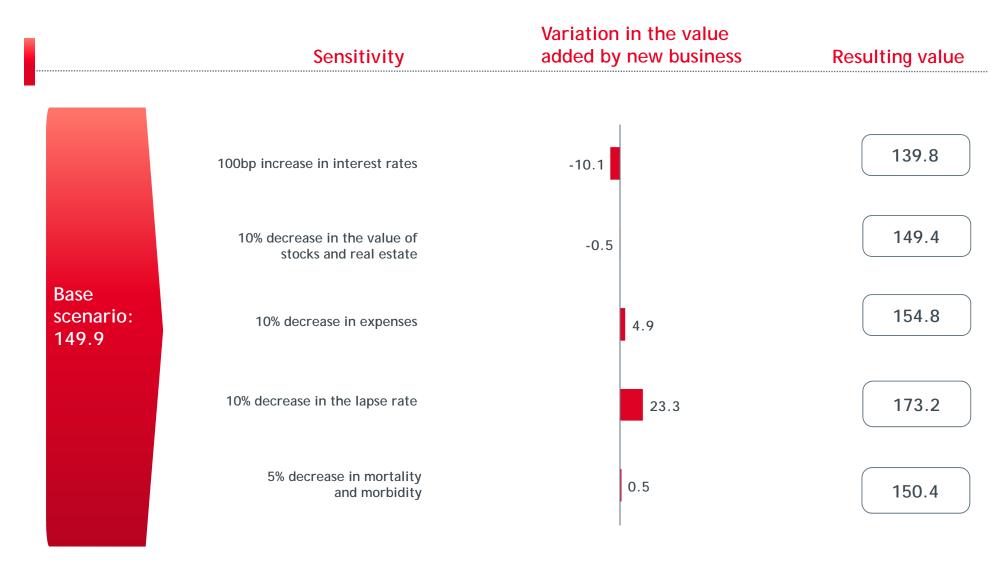


<sup>1)</sup> VIF = PVIF - TVFOGS - CoC

<sup>2)</sup> The 25bp increase represents a probability of default of 0.9 times that applied to the whole fixed income portfolio included in the credit risk adjustment to the VIF



### Sensitivity analysis of the value added by new business





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10 April 2014

Mapfre S.A. Carretera de Pozuelo 52 Edificio 1 28222 Majadahonda (Madrid)

Dear Sirs.

Opinion letter - EEV results of certain subsidiaries of Mapfre, S.A. as at 31 December 2013

- 1 Towers Watson Risk Consulting (Spain), S.A. ("Towers Watson") has been appointed by Mapfre, S.A. to provide an actuarial opinion on the calculation of the embedded value ("EV") results of certain subsidiaries of Mapfre, S.A. as at 31 December 2013.
- 2 The EV results have been prepared by Mapfre, S.A. to comply with the European Embedded Value Principles and Guidance issued by the CFO Forum in May 2004 (the "EEV Principles").
- 3 The EV results of Mapfre, S.A. cover the business of Mapfre Vida, S.A. de Seguros y Reaseguros sobre la Vida Humana ("Mapfre Vida") and its subsidiaries:
  - Mapfre Caja Madrid Vida, S.A de Seguros y Reaseguros;
  - Mapfre Inversión S.V., S.A., consisting of Mapfre Inversión Dos, S.G.I.I.C., S.A. and Mapfre Vida Pensiones. E.G.F.P., S.A.;
  - Bankinter Seguros de Vida, SA de Seguros y Reaseguros;
  - CatalunyaCaixa Vida, S.A de Seguros y Reaseguros;
  - CCM Vida y Pensiones S.A. de Seguros y Reaseguros;
  - Unión del Duero, Compañía de Seguros de Vida, S.A.("Unión Duero Vida"); and
  - Duero Pensiones, entidad gestora de fondos de pensiones, S.A. ("Unión Duero Pensiones").

#### Scope

- 4 The EV results have been prepared by Mapfre S.A. and its subsidiaries.
- 5 Towers Watson has carried out a review of the methodology and assumptions used by Mapfre, S.A. to calculate the EV results against the requirements of the EEV Principles.
- 6 Towers Watson has also reviewed the 2013 EV and new business value results, the sensitivities and the change in EV prepared by Mapfre S.A, as shown on pages 3, 11, 12 and 7 of the presentation.

#### Conclusions

7 Subject to the exception noted below, Towers Watson has concluded that the methodology and assumptions used to determine the 2013 EV and value of new business comply with the EEV Principles.

Towers Watson Risk Consulting (Spain) S.A.R.M. de Madrid Tomo 18265, folio 60, sección 8, hoja M-316524, insortpolón 1. CIF A-83465187 X1Spain/Seguros/Compañilas/Maphe seguros/Cirupo Maphe EV 2013/03, WorldCarta/LeberEV/2013/Maphe, v2. doc



Maptre S.A.

The exception referred to above is that at year-end 2013 the basis may be considered to make insufficient allowance for the aggregate risks in relation to the savings business, and in particular the allowance made, directly and indirectly, for credit risk in respect of the existing fixed interest assets, as described on page 18 of this presentation. The impact on the 2013 EV results of a larger allowance for credit risk is shown in the sensitivity analysis.

- 8 Further, based on a high-level review of the results of the calculations, but without undertaking detailed checks on the models and processes involved, Towers Watson considers that any issues discovered do not have a material impact on the embedded value, analysis of embedded value earnings, value of new business and sensitivity tests.
- 9 Our work and this letter are subject to the reliances and limitations contained in paragraphs 10 to 15 of this letter. The work is based on information received up to and including 7 April 2014.

#### Reliances and limitations

- 10 The review was conducted on behalf of Mapfre, S.A. and designed according to the terms and requirements of the Directors of Mapfre, S.A. Our opinion is made solely to Mapfre, S.A. in accordance with the terms of Towers Watson's engagement letter. To the fullest extent permitted by applicable law, Towers Watson does not accept or assume any responsibility, duty of care or liability to anyone other than Mapfre, S.A. for or in connection with its review work, the opinions it has formed, or for any statement set forth in this letter.
- 11 In carrying out our review we have relied without independent verification upon the accuracy and completeness of the data and information provided to us, both in written and oral form, by Mapfre, S.A. and its subsidiaries and we have been informed that the Directors of Mapfre, S.A. know of no other information or data which ought to have been made available to Towers Watson that would materially affect the opinion set out herein.
- 12 Reliance has been placed upon, but not limited to, information regarding historic annual reports and accounts, life insurance and mutual and pension fund product characteristics and charges, asset allocations by product line, asset values, expense analyses, salesforce commission scales, internal claim and discontinuance studies, levels of in-force premiums, number of policies, technical reserves, mutual and pension funds by product, terms of reinsurance agreements, electronic policy data bases, cash flow projections by product, analyses of movement and analyses of sensitivities.
- 13 We have not attempted to assess the suitability, quality or value of the assets of Mapfre, S.A. and its subsidiaries, or to provide any warranty as to the adequacy of the technical reserves. We have also not investigated any claims against Mapfre, S.A. and its subsidiaries, other than those made by pickyholders or fund participants under the normal terms of insurance, mutual fund or pension fund business. In particular, no account has been taken of liabilities in respect of pension entitlements, service contracts, leases and breaches of legislation, regulatory rules or guidance.
- 14 Assumptions are made about future experience, including economic and investment experience, tax, expenses, lapse rates, mortality and reinsurance. These assumptions have been made on the basis of reasonable estimates. However, actual future experience is likely to differ from these assumptions, due to random fluctuations, changes in the operating environment and other factors. Such variations in experience could have a significant effect on the results and conclusions of this letter. No warranty is given by Towers Watson that the assumptions made in this letter will be reflected in actual experience.
- 15 The results shown do not consider possible financial implications arising from the introduction of new regulatory reporting requirements which may, for example, increase the level of capital support required to sustain the business or constrain the way in which the assets are invested.

Yours sincerely

Felipe Gómez Rojas



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#### Covered business

- The 2013 embedded value was calculated for all business produced by MAPFRE VIDA and its subsidiaries, which includes the following blocks of business:
  - Life assurance (including complementary) and accidental death insurance businesses of MAPFRE VIDA, sold through the agents' channel
  - Life assurance (including complementary) and accidental death insurance businesses of MAPFRE-CAJA
     MADRID VIDA
  - Life assurance (including complementary), accidental death insurance and pension funds businesses of CATALUNYACAIXA, CCM VIDA Y PENSIONES, BANKINTER SEGUROS DE VIDA, UNIÓN DUERO VIDA and DUERO PENSIONES
  - Mutual funds and pension funds businesses of MAPFRE INVERSIÓN S.V., S.A., MAPFRE INVERSIÓN DOS, S.G.I.I.C., S.A. and MAPFRE VIDA PENSIONES, E.G.F.P., S.A. de Seguros, S.A. ("MAPFRE INVERSIÓN Y PENSIONES")

#### Non-covered business

 The MAPFRE GROUP operates Life Assurance business in several geographies which have not been included in the FFV calculation



### Methodology

- The embedded value of the life assurance, accidental death insurance, mutual funds and pension funds businesses includes the adjusted net asset value and the value of in-force business, defined as follows:
  - Embedded value = Adjusted Net Asset Value + Value of In-Force Business
  - Adjusted Net Asset Value (ANAV) = Shareholders' equity at market value, adjusted to obtain the economic value of capital
  - Value of the In-Force Business (VIF) = PVIF TVFOGs CoC
- A bottom-up approach was followed to comply with EEVP, valuing separately each risk component in the business, since it was deemed that this methodology provides the most transparent information about shareholder value, better quantifies the risk in each product, differentiating between in-force and new business

#### Adjusted Net Asset Value:

 The Adjusted Net Asset Value or "ANAV" is equal to shareholders' equity as defined under IFRS, adjusted for: committed donations and dividends; goodwill; deferred expenses; and any other item needed to calculate the economic value of capital

#### Present Value of In-force Business:

- The Present Value of In-force Business or "PVIF" is determined as the present value of future statutory profits which are expected to be generated from the existing business in force at the valuation date, after tax and discounted using the euroswap curve. Investment returns for existing business have been calculated on the basis of the euroswap curve, except for existing fixed interest assets backing the Life-Savings business, where book returns adjusted for credit risk based on historical transition matrices and defaults rates have been used. Life-Savings business VIF represents 10.5% of the total EEV. PVIF includes the intrinsic value of financial options and guarantees granted to the insured.
- Financial returns on future investments have been calculated on the basis of the euroswap curve.



#### Credit risk allowance:

- By year end 2013, the spread of Spanish fixed-income rates, both of the private and public sectors, with respect to the swap curve, has decreased in relation to previous years' levels, although it still remains at levels which are higher than the long-term historical mean. In our opinion this reflects the uncertainty concerning Spain's economic development, but not a manifest event with any of the Spanish State's outstanding debt instruments.
- Our Life-Savings business is covered in part by Spanish government bonds and, in our opinion, it is not significantly exposed to spread widening, since in its vast majority is a business where:
  - assets and liabilities are matched
  - assets are held over the lifetime of the commitments to cover best estimate liabilities
  - surrender values (prior to maturity) are equal to the market value of assets at the moment of said surrender plus, in some cases, a fee
- In addition, our Spanish Life assurance technical reserves are backed by an investment grade fixed-income portfolio<sup>(1)</sup>, split by credit ratings as follows<sup>(2)</sup> as at 31.12.2013:

AAA: 1%AA : 3%A : 12%BBB : 84%

- Although this portfolio is exposed to default risk, calculating whether and how the spread can be broken down into credit risk factors and other factors is difficult using forward looking information (e.g. yields available on various bond markets, bid-ask spreads, turnover information, CDS prices, credit ratings) as well as retrospective information (e.g. actual defaults). Both techniques present significant weaknesses. Based on these considerations, and for consistency with the information released in previous years, we have taken a similar approach for credit risk as in previous years' EEV in relation to existing fixed-income assets backing Life-Savings business:
  - Book returns have been adjusted for the default risk based on the last 10-year average historical default rates published by the rating agency Standard and Poor's (hereafter <u>S&P</u>), stressed by a factor of 4.50x for year 2014 and 2.15x for 2015 to allow for a possible increase in default rates stemming from the global financial crisis. This represents an average annual probability of default equivalent to 29bp (34bp in the EEV 2012).
  - An implicit allowance for unexpected credit risk has been made in the CoC.
- In order to show the impact on the EEV results of a higher allowance for credit risk, we have provided a sensitivity analysis of a 25bp increase in the probability of default of the fixed income portfolio backing the Life-Savings business.



#### TVFOGs:

- Under EEVP, FOGs (Financial Options and Guarantees) are defined as those features of the covered business conferring potentially valuable underlying guarantees, or options to change, the level or nature of policyholders' benefits and exercisable at the discretion of policyholders, whose potential value is impacted by the performance of financial variables.
- The cost of FOGs is valued through the measurement of two different elements:
  - intrinsic value: the cost of FOGs under existing conditions at the valuation date
  - time value: the change in the cost of FOGs resulting from potential changes in policyholders' benefits that may occur throughout the life of the policy
- The intrinsic value of FOGs is already recognised implicitly in the calculation of the PVIF. It is therefore
  necessary to include the additional cost arising from the time value of FOGs (TVFOGs).
- TVFOGs was calculated for the main FOGs in the covered Life business. Specifically, the calculation focused on the TVFOGs corresponding to the guaranteed interest rate in with-profits products, as well as on other products with variable interest rates and minimum guaranteed returns.
- The calculation of TVFOGs assumed the realisation of gains/losses on equity and property investments to:
  - minimise the impact of profit sharing on the Company's results; and
  - keep the asset mix close to its breakdown as at 31.12.2013
- TVFOGs is based on 2,000 stochastic simulations of market-consistent financial assumptions and is equal to the difference between the value of in-force business calculated under a deterministic approach and the average value of the in-force business calculated stochastically.



#### CoC:

- In line with Spanish market practices, the CoC used in the calculation of the 2013 EEV was measured by applying a 4% p.a. fixed rate to the minimum required solvency margin.
- This represents an allowance for frictional costs, non-hedgeable risks as well as unexpected credit risk which has not been considered in the present value of in-force business.

### With-profits business:

- MAPFRE's with-profits in-force business comprises products with the following features that are common in the Spanish insurance market:
  - A minimum return guarantee, ranging between 1.5% and 6% in the case of MAPFRE.
  - A profit-sharing mechanism defined as: X% of (Financial return minimum guaranteed return expense loadings) on the average mathematical reserve, which cannot be negative under any circumstance. X% varies by product, although it is equal to 90% in most cases. Financial returns and their volatility depend on the book returns of the assets backing the product, and is subject to some degree of discretion by management including, for instance, decisions on the realisation of gains/losses and on the asset mix.
- The combination of a minimum return guarantee and a profit-sharing mechanism that cannot yield negative results generates asymmetric flows for shareholders and, as a consequence, a positive time value of FOGs.



### Look through EEVP:

- In order to assign correctly revenues and expenses to the businesses that generate them and measure the value of each block of business more consistently with its economic reality, the following adjustments were made:
  - The mutual funds business, as well as a part of pension funds and accidental death businesses, are sold through the distribution network of MAPFRE VIDA. The EEV and VNB of the aforementioned mutual funds, pension funds and accidental death businesses have been adjusted in order to include the net present value of the future profits/losses expected to arise in the distribution company from this business.
  - The assets of the Life assurance business are managed by MAPFRE INVERSIÓN Y PENSIONES. The EEV and VNB of the aforementioned Life assurance business have been adjusted in order to include the net present value of the future profits/losses expected to arise in the asset management company from this business.



### Value added by new business:

- In Life assurance, new business is defined as single, extraordinary and regular premiums written in the year, as well as extraordinary contributions to existing policies not already considered in the valuation of the in-force business. In the mutual funds business, new business is defined as new contributions. In the pension funds business, new business is defined as single, extraordinary and regular contributions from new participants, as well as extraordinary contributions from existing participants.
- The value added by new business is the intrinsic value added by new business in the period, net of acquisition expenses, TVFOGs and CoC, valued at year-end using the assumptions applicable at that point in time.



### **Assumptions**

Discount rate

### **EEV 2012**

Euroswap zero-coupon curve as at 31/12/2012

0.33%
0.77%
1.61%
2.09%
2.26%

#### Financial returns

Euroswap curve rates except for existing fixed interest - Existing assets assets backing Life-Savings business, where book returns adjusted for credit risk based on historical transition matrices and defaults rates have been used

Based on the euroswap zero-coupon - Reinvestment yield curve as at 31/12/2012

- Based on internal analyses Maintenance expenses - Expressed in Euros per policy - Indexed to a 2.5% inflation

- There are no exceptional expenses to be excluded

In line with the existing fee structure Fees and commissions

Mortality, disability, surrenders and turnovers Tables based on the company's own experience

#### Cost of capital

- Capital requirement

- Annual cost

Tax rate

Stochastic asset model (TVFOGs)

100% of the minimum solvency margin

4% p.a.

30%

Market-consistent using swaption implied

volatilities as at 31/12/2012

#### **EEV 2013**

Euroswap zero-coupon curve as at 31/12/2013

1 year	0.40%
5 years	1.27%
10 years	2.22%
15 years	2.71%
20 years	2.85%

Euroswap curve rates except for existing fixed interest assets backing Life-Savings business, where book returns adjusted for credit risk based on historical transition matrices and defaults rates have been used

Based on the euroswap zero-coupon curve as at 31/12/2013

- Based on internal analyses (reviewed in 2013)
- Expressed in Euros per policy
- Indexed to a 2.5% inflation
- There are no exceptional expenses to be excluded

In line with the existing fee structure

Tables based on the company's own experience

100% of the minimum solvency margin 4% p.a.

30%

Market-consistent using swaption implied volatilities as at 31/12/2013



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### Breakdown of the value added by new business

### Breakdown by business line

	PVNE	PVNBI <sup>(1)</sup>		B <sup>(2)</sup>	VNB/PVNBI	
	2012	2013	2012	2013	2012	2013
Life Assurance:	2,675.1	2,301.0	181.1	121.8	6.8%	5.3%
- Agents' channel	1,287.7	1,199.4	38.5	27.3	3.0%	2.3%
- Bank channel	1,387.4	1,101.6	142.6	94.5	10.3%	8.6%
Mutual Funds <sup>(3)</sup>	271.9	914.9	-5.5	24.4	-2.0%	2.7%
Pension Funds <sup>(3)</sup>	483.7	401.5	7.4	3.7	1.5%	0.9%
- Agents' channel	212.9	209.6	4.8	1.6	2.3%	0.8%
- Bank channel	270.8	191.9	2.6	2.1	1.0%	1.1%
TOTAL	3,430.7	3,617.4	183.0	149.9	5.3%	4.1%

### Breakdown by distribution channel

	PVNBI <sup>(1)</sup>		VN	B <sup>(2)</sup>	VNB/PVNBI	
	2012	2013	2012	2013	2012	2013
Agents' channel	1,772.4	2,323.9	37.8	53.3	2.1%	2.3%
Bank channels	1,658.3	1,293.5	145.2	96.6	8.8%	7.5%
TOTAL	3,430.7	3,617.4	183.0	149.9	5.3%	4.1%

<sup>1)</sup> Present Value of New Business Income 2) Value added by new business

<sup>3)</sup> For consistency purposes, in 2013 the business resulting from Other Managed Portfolios has been totally reclassified into Mutual Funds, whereas it was previously distributed between Mutual and Pension Funds. Based on this new criteria, the VNB/PVNBI for 2012 would have been +1.5% and -0.5%, respectively.



# Breakdown of 2013 change in EEV between ANAV and value of in-force business<sup>(1)</sup>

	ANAV	Value of in-force business <sup>(1)</sup>	TOTAL
Value in 2012 - Attributable MAPFRE VIDA	566.7	1,229.9	1,796.6
Minority interests	303.4	504.9	808.3
Value in 2012	870.1	1,734.8	2,604.9
Changes in assumptions	0.0	-199.4	-199.4
Expected return	205.4	-166.8	38.6
Value added by new business	-67.3	217.2	149.9
Deviation of actual value from expectations	236.5	-52.1	184.4
Change in the TVFOGs <sup>(2)</sup>	0.0	53.0	53.0
Value added in 2013	374.6	-148.1	226.5
Changes in the model	0.0	69.2	69.2
Dividends paid and other items	-109.1	0.0	-109.1
Value in 2013	1,135.6	1,655.9	2,791.5
Minority interests	398.7	434.3	833.0
Value in 2013 - Attributable MAPFRE VIDA	736.9	1,221.6	1,958.5

RoEV <sup>(3)</sup>		8.5%

<sup>1)</sup> VIF = PVIF - TVFOGs - CoC

<sup>2)</sup> Not considering TVFOGs from new business, which are considered in the line "Value added by new business"

<sup>3)</sup> Return on Embedded Value» = Value added in the year/ Previous Embedded Value, adjusted for changes in the model



## Breakdown of the sensitivity analysis

### Sensitivity of the value of in-force business

	Agents' channel	Bank channel
Impact of:		
- 100bp increase in interest rates	-60.1	-44.1
- 10% decrease in the value of stocks and real estate	-19.7	-1.5
- 10% decrease in expenses	24.5	20.3
- 10% decrease in the lapse rate	74.3	64.8
- 5% decrease in mortality and morbidity	-14.0	12.7
- 25bp increase in the defaut rates of the fixed income portfolio	-98.6	-66.2

### Sensitivity of the value added by new business

	Agents' channel	Bank channel
Impact of:		
- 100bp increase in interest rates	-4.7	-5.4
- 10% decrease in the value of stocks and real estate	-0.5	0.0
- 10% decrease in expenses	3.3	1.6
- 10% decrease in the lapse rate	13.9	9.4
- 5% decrease in mortality and morbidity	-1.4	1.9



## Reconciliation of the adjusted net asset value

Consolidated shareholders' equity for MAPFRE VIDA as at 31/12/2013 (IFRS)	1,356.5	
Unrealised gains	-27.8	
- of which: property	32.4	
- of which: financial assets	-60.2	
Donations and dividends	0.0	
Intangible assets	-593.0	
Commissions and other acquisition costs net of taxes	0.0	
Other	1.2	
Consolidated adjusted shareholders' equity for MAPFRE VIDA as at 31/12/13 <sup>(1)</sup>	736.9	
Minority interests	398.7	
Consolidated adjusted net asset value for MAPFRE VIDA as at 31/12/13 <sup>(1)</sup>	1,135.6	



# Share of the parent company in the EEV

	Parent company - MAPFRE VIDA	Minority interests
ANAV		
ANAV	736.9	398.7
NET PVIF		
AGENTS' CHANNEL	825.1	0.0
BANK CHANNELS	444.7	440.7
TOTAL	1,269.8	440.7
TVFOGS		
AGENTS' CHANNEL	-41.7	0.0
BANK CHANNELS	-6.5	-6.4
TOTAL	-48.2	-6.4
EEV 2013	1,958.5	833.0



## Share of the parent company in the value added by new business

	Parent company - MAPFRE VIDA	Minority interests
Value added by new business		
AGENTS' CHANNEL	53.3	
BANK CHANNELS	48.5	48.1
2013 Value added by new business	101.8	48.1



### Breakdown of the EEV 2013 attributable to the parent company - MAPFRE VIDA

# By line of business

	€ mill.	%	△ %
Adjusted Net Asset Value	736.9	37.6%	30.0%
Net PVIF <sup>(1)</sup> - Life Assurance <sup>(2)</sup>	970.4	49.5%	-7.4%
- PVIF	1,150.1		-6.8%
- CoC	(179.7)		-3.0%
Net PVIF <sup>(1)</sup> - Mutual Funds	148.3	7.6%	89.4%
- PVIF	149.9		88.8%
- CoC	(1.6)		45.5%
Net PVIF <sup>(1)</sup> - Pension Funds	151.1	7.8%	-25.7%
- PVIF	158.8		-24.8%
- CoC	(7.7)		-3.8%
TVFOGs	(48.2)	-2.5%	-51.7%
EEV 2013	1,958.5	100.0%	9.0%

### By distribution channel

	€ mill.	%	△ %
Adjusted Net Asset Value	736.9	37.6%	30.0%
Net PVIF - Agents' channel	825.1	42.2%	1.3%
- PVIF	957.0		1.3%
- CoC	(131.9)		1.5%
Net PVIF - Bank channels	444.7	22.7%	-13.7%
- PVIF	501.8		-13.4%
- CoC	(57.1)		-11.5%
TVFOGs	(48.2)	-2.5%	-51.7%
EEV 2013	1,958.5	100.0%	9.0%

<sup>1)</sup> PVIF = "Present Value of In-Force business"

<sup>2)</sup> Includes the in-force values of the Life assurance and accidental death insurance businesses



# Content

- EEV analysis
- Towers Watson opinion letter
- Methodological appendix
- Statistical appendix
- **5** Glossary



- The European Embedded Value Principles or "EEVP" are the principles that establish the methodology that must be applied in order to calculate the European Embedded Value. The EEVP were agreed upon by the CFOs of the multinational European insurers belonging to the "CFO Forum" in order to increase the comparability and transparency of the embedded value calculations carried out by insurance companies. The document that contains the EEVP can be obtained at the following Internet address: www.cfoforum.nl.
- The Adjusted Net Asset Value or "ANAV" is equal to the shareholders' equity as defined under IFRS adjusted for: unrealised gains or losses belonging to shareholders; committed donations and dividends; goodwill; deferred expenses; and any other item needed to calculate the economic capital.
- Financial Options and Guarantees or "FOGs" are those features of the covered business conferring potentially valuable guarantees underlying, or options to change, the level or nature of policyholders' benefits and exercisable at the discretion of policyholders, whose potential value is impacted by the performance of financial variables.
- The Value of an Option is composed of two elements: the Intrinsic Value and the Time Value. In the case of a call option, the intrinsic value is equal to the difference between the price of the underlying asset and the strike price of the option (in the case of a put option the order of the difference is inverted). The intrinsic value cannot be less than zero. The time value is equal to the difference between the total value and the intrinsic value and it is ascribed to the potential for benefits under the option to increase in value prior to expiry.
- The Present Value of In-force Business or "PVIF" is determined as the present value of future statutory profits which are expected to be generated from the existing business in force at the valuation date, after tax and discounted using the euroswap curve. Investment returns for existing business have been calculated on the basis of the euroswap curve, except for existing fixed interest assets backing Life-Savings business, where book returns adjusted for credit risk based on historical transition matrices and defaults rates have been used. PVIF includes the intrinsic value of financial options and guarantees granted to the insured.



- The Cost of Capital or "CoC" represents an allowance for frictional costs, non-hedgeable risks as well as unexpected credit risk which has not been considered in the value of in-force business. The CoC used in the calculation of the EEV was measured on the basis of an amount of capital equal to 100% of the minimum regulatory requirement.
- The Value of In-force Business or "VIF" is equal to: PVIF Time Value of FOGs ("TVFOGs") CoC.
- The European Embedded Value or "EEV" is the embedded value calculated in accordance with "European Embedded Value Principles". EEV is equal to: ANAV + VIF.
- Changes in Assumptions are changes in the future experience assumed in the calculation of the present value of in-force business, including economic, expense, lapse and mortality assumptions.
- The Expected Return on the Beginning of the Year Embedded Value is equal to the actual after-tax investment return on the beginning-of-the-year adjusted net asset value less the cost of capital, plus the return, at the discount rate, on the beginning-of-the-year value of the in-force business and capital.
- Deviation of Actual Value from Expectations arise mainly from the variance between the actual experience and the assumed experience used to calculate the beginning-of-the-year embedded value.
- The Return on Embedded Value or "RoEV" is obtained by dividing the value added in the year by the embedded value at the close of the previous year, adjusted for changes in the model.



- New Business is defined as: in the case of Life assurance, single, extraordinary and regular premiums from policies written in the year, as well as extraordinary contributions to existing policies not already considered in the valuation of the in-force business; in the case of Mutual Funds, new contributions; in the case of Pension Funds, single, extraordinary and regular contributions from new participants, as well as extraordinary contributions from existing participants.
- The Present Value of New Business Income or "PVNBI" corresponds to: in the case of Life assurance, the present value of received and expected premiums from new business; in the case of Mutual Funds, contributions received in the year; and in the case of Pension Funds, contributions received in the year and expected from new business.
- The Value added by New Business or "VNB" is the intrinsic value added by new business in the period, net of acquisition expenses, TVFOGs and CoC, valued at year-end using the assumptions applicable at that point in time.



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