Results of the 2011 EBA EU-wide stress test: Summary [1-3]

Name of the bank: Hypo Real Estate Holding AG

Actual results at 31 December 2010	million EUR, %
Operating profit before impairments	120
Impairment losses on financial and non-financial assets in the banking book	32
Risk weighted assets [4]	19.487
Core Tier 1 capital [4]	5.539
Core Tier 1 capital ratio, % [4]	28,4%
Additional capital needed to reach a 5 % Core Tier 1 capital benchmark	

Outcomes of the adverse scenario at 31 December 2012, excluding all mitigating actions taken in 2011	%
Core Tier 1 Capital ratio	10,0%

Outcomes of the adverse scenario at 31 December 2012, including recognised mitigating measures as of 30 April 2011	million EUR, %
2 yr cumulative operating profit before impairments	-208
2 yr cumulative impairment losses on financial and non-financial assets in the banking book	-1.970
2 yr cumulative losses from the stress in the trading book	-53
of which valuation losses due to sovereign shock	*0*
Risk weighted assets	23.711
Core Tier 1 Capital	2.378
Core Tier 1 Capital ratio (%)	**10,0%**
Additional capital needed to reach a 5 % Core Tier 1 capital benchmark	

Effects from the recognised mitigating measures put in place until 30 April 2011 [5]	
Equity raisings announced and fully committed between 31 December 2010 and 30 April 2011 (CT1 million EUR)	
Effect of government support publicly announced and fully committed in period from 31 December 2010 to 30 April 2011 on Core Tier 1 capital ratio (percentage points of CT1 ratio)	
Effect of mandatory restructuring plans, publicly announced and fully committed in period from 31 December 2010 to 30 April 2011 on Core Tier 1 capital ratio (percentage points of CT1 ratio)	

Additional taken or planned mitigating measures	percentage points contributing to capital ratio
Use of provisions and/or other reserves (including release of countercyclical provisions)	
Divestments and other management actions taken by 30 April 2011	
Other disinvestments and restructuring measures, including also future mandatory restructuring not yet approved with the EU Commission under the EU State Aid rules	
Future planned issuances of common equity instruments (private issuances)	
Future planned government subscriptions of capital instruments (including hybrids)	
Other (existing and future) instruments recognised as appropriate back-stop measures by national supervisory authorities	
Supervisory recognised capital ratio after all current and future mitigating actions as of 31 December 2012, % [6]	10,0%

Notes

(1) The stress test was carried using the EBA common methodology, which includes a static balance sheet assumption and incorporates regulatory transitional floors, where binding (see http://www.eba.europa.eu/EU-wide-stress-testing/2011.aspx for the details on the EBA methodology).

(2) All capital elements and ratios are presented in accordance with the EBA definition of Core Tier 1 capital set up for the purposes of the EU-wide stress test, and therefore may differ from the definitions used by national supervisory authorities and/or reported by institutions in public disclosures.

(3) Neither baseline scenario nor the adverse scenario and results of the stress test should in any way be construed as a bank's forecast or directly compared to bank's other published information.

(4) Full static balance sheet assumption excluding any mitigating management actions, mandatory restructuring or capital raisings post 31 December 2010 (all government support measures and capital raisings fully paid in before 31 December 2010 are included).

(5) Effects of capital raisings, government support and mandatory restructuring plans publicly announced and fully committed in period from 31 December 2010 to 30 April 2011, which are incorporated in the Core Tier 1 capital ratio reported as the outcome of the stress test.

(6) The supervisory recognised capital ratio computed on the basis of additional mitigating measures presented in this section. The ratio is based primarily on the EBA definition, but may include other mitigating measures not recognised by the EBA methodology as having impacts in the Core Tier 1 capital, but which are considered by the national supervisory authorities as appropriate mitigating measures for the stressed conditions. Where applicable, such measures are explained in the additional announcements issued by banks/national supervisory authorities. Details of all mitigating measures are presented in the worksheet "3 - Mitigating measures).

Results of the 2011 EBA EU-wide stress test: Aggregate information and evolution of capital [1-4]

Name of the bank: Hypo Real Estate Holding AG

All in million EUR, or %

A. Results of the stress test based on the **full static balance sheet assumption** without any mitigating actions, mandatory restructuring or capital raisings post 31 December 2010 (all government support measures fully paid in before 31 December 2010 are included)

		Baseline scenario		Adverse scenario	
Capital adequacy	**2010**	**2011**	**2012**	**2011**	**2012**
Risk weighted assets (full static balance sheet assumption)	19.487	20.767	21.064	24.283	23.711
Common equity according to EBA definition	4.936	2.946	2.521	2.452	1.775
of which ordinary shares subscribed by government	*3.653*	*2.946*	*2.521*	*2.452*	*1.775*
Other existing subscribed government capital (before 31 December 2010)	603	603	603	603	603
Core Tier 1 capital (full static balance sheet assumption)	5.539	3.549	3.124	3.055	2.378
Core Tier 1 capital ratio (%)	**28,4%**	**17,1%**	**14,8%**	**12,6%**	**10,0%**

B. Results of the stress test recognising capital issuance and mandatory restructuring plans publicly announced and fully committed before 31 December 2010

		Baseline scenario		Adverse scenario	
Capital adequacy	**2010**	**2011**	**2012**	**2011**	**2012**
Risk weighted assets (full static balance sheet assumption)	19.487	20.767	21.064	24.283	23.711
Effect of mandatory restructuring plans, publicly announced and fully committed before 31 December 2010 on RWA (+/-)					
Risk weighted assets after the effects of mandatory restructuring plans publicly announced and fully committed before 31 December 2010	19.487	20.767	21.064	24.283	23.711
Core Tier 1 Capital (full static balance sheet assumption)	5.539	3.549	3.124	3.055	2.378
Effect of mandatory restructuring plans, publicly announced and fully committed before 31 December 2010 on Core Tier 1 capital (+/-)					
Core Tier 1 capital after the effects of mandatory restructuring plans publicly announced and fully committed before 31 December 2010	5.539	3.549	3.124	3.055	2.378
Core Tier 1 capital ratio (%)	**28,4%**	**17,1%**	**14,8%**	**12,6%**	**10,0%**

C. Results of the stress test recognising capital issuance and mandatory restructuring plans publicly announced and fully committed before 30 April 2011

		Baseline scenario		Adverse scenario	
Capital adequacy	**2010**	**2011**	**2012**	**2011**	**2012**
Risk weighted assets after the effects of mandatory restructuring plans publicly announced and fully committed before 31 December 2010	19.487	20.767	21.064	24.283	23.711
Effect of mandatory restructuring plans, publicly announced and fully committed in period from 31 December 2010 to 30 April 2011 on RWA (+/-)					
Risk weighted assets after the effects of mandatory restructuring plans publicly announced and fully committed before 30 April 2011		20.767	21.064	24.283	23.711
of which RWA in banking book		20.075	20.372	23.591	23.019
of which RWA in trading book		305	305	305	305
RWA on securitisation positions (banking and trading book)		1.593	1.949	2.388	3.845
Total assets after the effects of mandatory restructuring plans publicly announced and fully committed and equity raised and fully committed by 30 April 2011	*328.119*	328.119	328.119	328.119	328.119
Core Tier 1 capital after the effects of mandatory restructuring plans publicly announced and fully committed before 31 December 2010	5.539	3.549	3.124	3.055	2.378
Equity raised between 31 December 2010 and 30 April 2011					
Equity raisings fully committed (but not paid in) between 31 December 2010 and 30 April 2011					
Effect of government support publicly announced and fully committed in period from 31 December 2010 to 30 April 2011 on Core Tier 1 capital (+/-)					
Effect of mandatory restructuring plans, publicly announced and fully committed in period from 31 December 2010 to 30 April 2011 on Core Tier 1 capital (+/-)					
Core Tier 1 capital after government support, capital raisings and effects of restructuring plans fully committed by 30 April 2011		3.549	3.124	3.055	2.378
Tier 1 capital after government support, capital raisings and effects of restructuring plans fully committed by 30 April 2011		*5.099*	*4.674*	*4.605*	*3.928*
Total regulatory capital after government support, capital raisings and effects of restructuring plans fully committed by 30 April 2011		*7.416*	*6.775*	*6.922*	*6.029*
Core Tier 1 capital ratio (%)	**28,4%**	**17,1%**	**14,8%**	**12,6%**	**10,0%**
Additional capital needed to reach a 5% Core Tier 1 capital benchmark					

		Baseline scenario		Adverse scenario	
Profit and losses	**2010**	**2011**	**2012**	**2011**	**2012**
Net interest income	416	411	398	365	344
Trading income	136	-11	-11	-27	-27
of which trading losses from stress scenarios		-11	-11	-26,7	-26,7
of which valuation losses due to sovereign shock				*0,0*	*0,0*
Other operating income [5]	16	16	16	16	16
Operating profit before impairments	120	-32	-45	-94	-115
Impairments on financial and non-financial assets in the banking book [6]	*32*	*-672*	*-685*	*-1.104*	*-866*
Operating profit after impairments and other losses from the stress	152	-704	-729	-1.198	-981
Other income [5,6]	304	-1.286	304	-1.286	304
Net profit after tax [7]	324	-1.990	-425	-2.484	-677
of which carried over to capital (retained earnings)	*324*	*-1.990*	*-425*	*-2.484*	*-677*
of which distributed as dividends	*0*	*0*	*0*	*0*	*0*

Additional information	2010	Baseline scenario		Adverse scenario	
		2011	2012	2011	2012
Deferred Tax Assets [8]	0	0	0	0	0
Stock of provisions [9]	595	1.267	1.952	1.699	2.565
of which stock of provisions for non-defaulted assets	105	105	105	105	105
of which Sovereigns [10]	3	3	3	3	3
of which Institutions [10]	12	12	12	12	12
of which Corporate (excluding Commercial real estate)	7	7	7	7	7
of which Retail (excluding Commercial real estate)					
of which Commercial real estate [11]	83	83	83	83	83
of which stock of provisions for defaulted assets	490	1.162	1.847	1.594	2.460
of which Corporate (excluding Commercial real estate)	41	89	137	106	158
of which Retail (excluding commercial real estate)					
of which Commercial real estate	427	655	887	745	1.001
Coverage ratio (%) [12]					
Corporate (excluding Commercial real estate)	43,4%	40,2%	39,3%	42,1%	41,3%
Retail (excluding Commercial real estate)					
Commercial real estate	35,5%	36,2%	36,5%	38,4%	39,1%
Loss rates (%) [13]					
Corporate (excluding Commercial real estate)	0,4%	1,2%	1,2%	1,6%	1,4%
Retail (excluding Commercial real estate)					
Commercial real estate	0,2%	0,9%	0,9%	1,2%	1,0%
Funding cost (bps)	249			253	256

D. Other mitigating measures (see Mitigating measures worksheet for details), million EUR [14]

All effects as compared to regulatory aggregates as reported in Section C		Baseline scenario		Adverse scenario	
		2011	2012	2011	2012
A) Use of provisions and/or other reserves (including release of countercyclical provisions), capital ratio effect [6]					
B) Divestments and other management actions taken by 30 April 2011, RWA effect (+/-)					
B1) Divestments and other business decisions taken by 30 April 2011, capital ratio effect (+/-)					
C) Other disinvestments and restructuring measures, including also future mandatory restructuring not yet approved with the EU Commission under the EU State Aid rules, RWA effect (+/-)					
C1) Other disinvestments and restructuring measures, including also future mandatory restructuring not yet approved with the EU Commission under the EU State Aid rules, capital ratio effect (+/-)					
D) Future planned issuances of common equity instruments (private issuances), capital ratio effect					
E) Future planned government subscriptions of capital instruments (including hybrids), capital ratio effect					
F) Other (existing and future) instruments recognised as appropriate back-stop measures by national supervisory authorities, RWA effect (+/-)					
F1) Other (existing and future) instruments recognised as appropriate back-stop measures by national supervisory authorities, capital ratio effect (+/-)					
Risk weighted assets after other mitigating measures (B+C+F)		20.767	21.064	24.283	23.711
Capital after other mitigating measures (A+B1+C1+D+E+F1)		3.549	3.124	3.055	2.378
Supervisory recognised capital ratio (%) [15]		***17,1%***	***14,8%***	***12,6%***	***10,0%***

Notes and definitions

(1) The stress test was carried using the EBA common methodology, which includes a static balance sheet assumption (see http://www.eba.europa.eu/EU-wide-stress-testing/2011.aspx for the details on the EBA methodology).

(2) All capital elements and ratios are presented in accordance with the EBA definition of Core Tier 1 capital set up for the purposes of the EU-wide stress test, and therefore may differ from the definitions used by national supervisory authorities and/or reported by institutions in public disclosures.

(3) Neither baseline scenario nor the adverse scenario and results of the stress test should in any way be construed as a bank's forecast or directly compared to bank's other published information.

(4) Regulatory transitional floors are applied where binding. RWA for credit risk have been calculated in accordance with the EBA methodology assuming an additional floor imposed at a level of RWA, before regulatory transitional floors, for December 2010 for both IRB and STA portfolios.

(5) Banks are required to provide explanations of what "Other operating income" and "Other income" constitutes for.
Composition of "Other operating income" and "Other income":
"Other operating income":
"Other operating income" includes the result from financial assets and liabilities designated at fair value through profit and loss, the result from hedge accounting as well as gains/losses from sale of financial assets.
"Other income":
Besides currency conversion effects "Other income" includes revenues from FMS WM servicing which compensate administrative expenses resulting from servicing. In addition "Other income" includes in 2011 a payment obligation amounting to € 1,59 bn (=maximum amount) pursuant to § 8a Abs. 4 Nr. 8 FMStFG as described in detail in the framework agreement entered into by and between Hypo Real Estate Holding AG, Deutsche Pfandbriefbank AG, FMS WM, FMSA and SoFFin in the course of the AidA transaction.

(6) If under the national legislation, the release of countercyclical provisions and/or other similar reserves is allowed, this figure for 2010 could be included either in rows "Impairments on financial assets in the banking book" or "Other income" for 2010, whereas under the EU-wide stress test methodology such release for 2011-2012 should be reported in Section D as other mitigating measures.

(7) Net profit includes profit attributable to minority interests.

(8) Deferred tax assets as referred to in paragraph 69 of BCBS publication dated December 2010 : “Basel 3 – a global regulatory framework for more resilient banks and banking systems”.

(9) Stock of provisions includes collective and specific provisions as well as countercyclical provisions, in the jurisdictions, where required by the national legislation.

(10) Provisions for non-defaulted exposures to sovereigns and financial institutions have been computed taking into account benchmark risk parameters (PDs and LGDs) provided by the EBA and referring to external credit ratings and assuming hypothetical scenario of rating agency downgrades of sovereigns.

(11) For definition of commercial real estate please refer to footnote (5) in the worksheet "4 - EADs".

(12) Coverage ratio = stock of provisions on defaulted assets / stock of defaulted assets expressed in EAD for the specific portfolio.

(13) Loss rate = total impairment flow (specific and collective impairment flow) for a year / total EAD for the specific portfolio (including defaulted and non-defaulted assets but excluding securitisation and counterparty credit risk exposures).

(14) All elements are be reported net of tax effects.

(15) The supervisory recognised capital ratio computed on the basis of additional mitigating measures presented in this section. The ratio is based primarily on the EBA definition, but may include other mitigating measures not recognised by the EBA methodology as having impacts in the Core Tier 1 capital, but which are considered by the national supervisory authorities as appropriate mitigating measures for the stressed conditions. Where applicable, such measures are explained in the additional announcements issued by banks/national supervisory authorities. Details of all mitigating measures are presented in the worksheet "3 - Mitigating measures).

Results of the 2011 EBA EU-wide stress test: Composition of capital as of 31 December 2010

Name of the bank: Hypo Real Estate Holding AG

Situation at December 2010	December 2010		References to COREP reporting
	Million EUR	% RWA	
A) Common equity before deductions (Original own funds without hybrid instruments and government support measures other than ordinary shares) (+)	**4.936**	25,3%	COREP CA 1.1 - hybrid instruments and government support measures other than ordinary shares
Of which: (+) eligible capital and reserves	5.003	25,7%	COREP CA 1.1.1 + COREP line 1.1.2.1
Of which: (-) intangibles assets (including goodwill)	-67	-0,3%	Net amount included in T1 own funds (COREP line 1.1.5.1)
Of which: (-/+) adjustment to valuation differences in other AFS assets [(1)]	0	0,0%	Prudential filters for regulatory capital (COREP line 1.1.2.6.06)
B) Deductions from common equity (Elements deducted from original own funds) (-)	**0**	0,0%	COREP CA 1.3.T1* (negative amount)
Of which: (-) deductions of participations and subordinated claims	0	0,0%	Total of items as defined by Article 57 (l), (m), (n) (o) and (p) of Directive 2006/48/EC and deducted from original own funds (COREP lines from 1.3.1 to 1.3.5 included in line 1.3.T1*)
Of which: (-) securitisation exposures not included in RWA	0	0,0%	COREP line 1.3.7 included in line 1.3.T1*
Of which: (-) IRB provision shortfall and IRB equity expected loss amounts (before tax)	0	0,0%	As defined by Article 57 (q) of Directive 2006/48/EC (COREP line 1.3.8 included in 1.3.T1*)
C) Common equity (A+B)	**4.936**	25,3%	
Of which: ordinary shares subscribed by government	3.653	18,7%	Paid up ordinary shares subscribed by government
D) Other Existing government support measures (+)	**603**	3,1%	
E) Core Tier 1 including existing government support measures (C+D)	**5.539**	28,4%	Common equity + Existing government support measures included in T1 other than ordinary shares
Difference from benchmark capital threshold (CT1 5%)	**4.565**	23,4%	Core tier 1 including government support measures - (RWA*5%)
F) Hybrid instruments not subscribed by government	**1.550**	8,0%	Net amount included in T1 own funds (COREP line 1.1.4.1a + COREP lines from 1.1.2.2***01 to 1.1.2.2***05 + COREP line 1.1.5.2a (negative amount)) not subscribed by government
Tier 1 Capital (E+F) (Total original own funds for general solvency purposes)	**7.089**	36,4%	COREP CA 1.4 = COREP CA 1.1 + COREP CA 1.3.T1* (negative amount)
Tier 2 Capital (Total additional own funds for general solvency purposes)	**2.734**	14,0%	COREP CA 1.5
Tier 3 Capital (Total additional own funds specific to cover market risks)	**0**	0,0%	COREP CA 1.6
Total Capital (Total own funds for solvency purposes)	**9.823**	50,4%	COREP CA 1
Memorandum items			
Amount of holdings, participations and subordinated claims in credit, financial and insurance institutions not deducted for the computation of core tier 1 but deducted for the computation of total own funds	0	0,0%	Total of items as defined by Article 57 (l), (m), (n) (o) and (p) of Directive 2006/48/EC not deducted for the computation of original own funds
Amount of securitisation exposures not included in RWA and not deducted for the computation of core tier 1 but deducted for the computation of total own funds	0	0,0%	Total of items as defined by Article 57 (r) of Directive 2006/48/EC not deducted for the computation of original own funds
Deferred tax assets [(2)]	0	0,0%	As referred to in paragraph 69 of BCBS publication dated December 2010 : “Basel 3 – a global regulatory framework for more resilient banks and banking systems”
Minority interests (excluding hybrid instruments) [(2)]	0	0,0%	Gross amount of minority interests as defined by Article 65 1. (a) of Directive 2006/48/EC
Valuation differences eligible as original own funds (-/+) [(3)]	-	0,0%	COREP line 1.1.2.6

Notes and definitions

(1) The amount is already included in the computation of the eligible capital and reserves and it is provided separately for information purposes.

(2) According to the Basel 3 framework specific rules apply for the treatment of these items under the Basel 3 framework, no full deduction is required for the computation of common equity.

(3) This item represents the impact in original own funds of valuation differences arising from the application of fair value measurement to certain financial instruments (AFS/FVO) and property assets after the application of prudential filters.

Results of the 2011 EBA EU-wide stress test: Overview of mitigating measures [1-2]

Name of the bank: Hypo Real Estate Holding AG

Use of countercyclical provisions, divestments and other management actions

Please fill in the table using a separate row for each measure	**Narrative description**	**Date of completion** (actual or planned for future issuances)	**Capital / P&L impact** (in million EUR)	**RWA impact** (in million EUR)	**Capital ratio impact** (as of 31 December 2012) %
A) Use of provisions and/or other reserves (including release of countercyclical provisions), [3]					
B) Divestments and other management actions taken by 30 April 2011					
1)					
2)					
C) Other disinvestments and restructuring measures, including also future mandatory restructuring not yet approved with the EU Commission under the EU State Aid rules					
1)					
2)					

Future capital raisings and other back stop measures

Please fill in the table using a separate row for each measure	**Date of issuance** (actual or planned for future issuances, dd/mm/yy)	**Amount** (in million EUR)	**Maturity** (dated/ undated) [4]	**Loss absorbency in going concern** (Yes/No)	**Flexibility of payments (capacity to** (Yes/No)	**Permanence (Undated and without incentive to** (Yes/No)	**Conversion clause (where appropriate)**			
							Nature of conversion (mandatory/ discretionary)	**Date of conversion** (at any time/from a specific date: dd/mm/yy)	**Triggers** (description of the triggers)	**Conversion in common equity** (Yes/No)
D) Future planned issuances of common equity instruments (private issuances)										
E) Future planned government subscriptions of capital instruments (including hybrids)										
1) Denomination of the instrument										
2)										
F) Other (existing and future) instruments recognised as back stop measures by national supervisory authorities (including hybrids)										
1) Denomination of the instrument										
2)										

Notes and definitions

(1) The order of the measures follows the order of mitigating measures reported in the Section D of the worksheet "1 - Aggregate information".

(2) All elements are be reported net of tax effects.

(3) If under the national legislation, the release of countercyclical provisions and/or other similar reserves is allowed, this figure for 2010 could be included either in rows "Impairments on financial assets in the banking book" or "Other income" for 2010, whereas under the EU-wide stress test methodology such release for 2011-2012 should be reported in Section D of the worksheet "1- Aggregate information" as other mitigating measures and explained in this worksheet.

(4) If dated please insert the maturity date (dd/mm/yy) otherwise specify undated.

Results of the 2011 EBA EU-wide stress test: Credit risk exposures (EAD - exposure at default), as of 31 December 2010, mln EUR, [1-5]

Name of the bank: Hypo Real Estate Holding AG

All values in million EUR, or %

	Non-defaulted exposures										Defaulted exposures (excluding sovereign)	Total exposures [7]
	Institutions	Corporate (excluding commercial real estate)	Retail (excluding commercial real estate)	of which Residential mortgages		of which Revolving	of which SME	of which other	Commercial Real Estate			
					Loan to Value (LTV) ratio (%), [6]					*Loan to Value (LTV) ratio (%) [6]*		
Austria	721	0	0						175	*78,77*		**8.763**
Belgium	26	65	0						37	*71,77*		**2.771**
Bulgaria			0								2	**2**
Cyprus	1		0						2			**3**
Czech Republic	0		0						291	*68,99*		**569**
Denmark	87	0	0						58	*50,91*		**260**
Estonia			0									**8**
Finland	99	40	0						279	*71,35*		**936**
France	1.983	90	0						2.577	*58,14*		**11.001**
Germany	7.956	889	0						13.688	*65,96*	432	**112.559**
Greece			0									**0**
Hungary	1		0						414	*63,05*		**755**
Iceland			0								43	**43**
Ireland	921	202	0									**12.686**
Italy	97	19	0						513	*51,58*	212	**10.719**
Latvia			0									**0**
Liechtenstein			0									**0**
Lithuania			0									**37**
Luxembourg	133	0	0						128	*81,73*	7	**315**
Malta		0	0									**207**
Netherlands	147	15	0						524	*63,72*	3	**1.956**
Norway	107	0	0						85	*68,48*		**216**
Poland	0		0						1.048	*69,55*		**2.981**
Portugal	422	0	0						78	*86,20*		**2.384**
Romania			0						300	*59,12*		**300**
Slovakia		22	0						33	*76,58*		**191**
Slovenia	17	0	0						81	*75,30*		**1.065**
Spain	1.801	1.298	0						402	*62,18*	0	**9.256**
Sweden	86	0	0						1.472	*72,09*		**2.144**
United Kingdom	5.779	8	0						1.936	*66,07*	412	**8.848**
United States	4.957	1.048	0						0		0	**7.356**
Japan	491	205	0						1.309	*90,33*	232	**3.611**
Other non EEA non Emerging countries	3.160	71	0						262			**4.259**
Asia	5	8	0									**13**
Middle and South America	54		0									**54**
Eastern Europe non EEA		0	0						37			**37**
Others	35	12	0						3			**8.597**
Total	29.084	3.991	0	0		0	0	0	25.733	*67,18*	1.342	**214.902**

Notes and definitions

(1) EAD - Exposure at Default or exposure value in the meaning of the CRD.

(2) The EAD reported here are based on the methodologies and portfolio breakdowns used in the 2011 EU-wide stress test, and hence may differ from the EAD reported by banks in their Pillar 3 disclosures, which can vary based on national regulation. For example, this would affect breakdown of EAD for real estate exposures and SME exposures.

(3) Breakdown by country and macro area (e.g. Asia) when EAD >=5%. In any case coverage 100% of total EAD should be ensured (if exact mapping of some exposures to geographies is not possible, they should be allocated to the group "others").

(4) The allocation of countries and exposures to macro areas and emerging/non-emerging is according to the IMF WEO country groupings. See: http://www.imf.org/external/pubs/ft/weo/2010/01/weodata/groups.htm

(5) Residential real estate property which is or will be occupied or let by the owner, or the beneficial owner in the case of personal investment companies, and commercial real estate property, that is, offices and other commercial premises, which are recognised as eligible collateral in the meaning of the CRD, with the following criteria, which need to be met:
(a) the value of the property does not materially depend upon the credit quality of the obligor. This requirement does not preclude situations where purely macro economic factors affect both the value of the property and the performance of the borrower; and
(b) the risk of the borrower does not materially depend upon the performance of the underlying property or project, but rather on the underlying capacity of the borrower to repay the debt from other sources. As such, repayment of the facility does not materially depend on any cash flow generated by the underlying property serving as collateral.

(6) Loan to value ratio - ratio of EAD to the market value of real estate used as collateral for such exposures. Given the different methodologies applied to assessing the value, the bank is required to explain the computation of the ratio. In particular (a) whether collateral values is marked-to-market or any other valuation method is used, (b) whether the amount has been adjusted for principal repayments, and (c) how guarantees other than the underlying property are treated.

Definition of Loan to Value ratio used:
The LTV calculated (contractual) is a percentage which represents the actual calculated LTV based on definitions determined in respective contract.
In general, in HRE a LTV (Loan To Value) is calculated as follows:

LTV=(Commitment + External -pari passu and prior ranking- charges)/Value of the property x 100.

The value of the property is based on market values:
a) it is either determined by an internal surveyor from the property analysis unit
b) or on behalf of the bank by an external surveyor; the external expert opinion has to be verified and approved internally by the property analysis unit
With respect to existing loans the market value is updated based on statistical data from associations for mortgage lending institutions and at regular intervals it is in the context of monitoring reclassified by the surveyor.

Amounts are adjusted for principal repayments and in general guarantees are not considered.

(7) Total exposures is the total EAD according to the CRD definition based on which the bank computes RWA for credit risk. Total exposures, in addition to the exposures broken down by regulatory portfolios in this table, include EAD for securitisation transactions, counterparty credit risk, sovereigns, guaranteed by sovereigns, public sector entities and central banks.

Results of the 2011 EBA EU-wide stress test: Exposures to sovereigns (central and local governments), as of 31 December 2010, mln EUR [1,2]

Name of the bank: Hypo Real Estate Holding AG

All values in million EUR

Residual Maturity	Country/Region	GROSS DIRECT LONG EXPOSURES (accounting value gross of specific provisions)		NET DIRECT POSITIONS (gross exposures (long) net of cash short position of sovereign debt to other counterparties only where there is maturity matching)				DIRECT SOVEREIGN EXPOSURES IN DERIVATIVES	INDIRECT SOVEREIGN EXPOSURES IN THE TRADING BOOK
			of which: loans and advances		of which: AFS banking book	of which: FVO (designated at fair value through profit&loss) banking book	of which: Trading book [3]	Net position at fair values (Derivatives with positive fair value + Derivatives with negative fair value)	Net position at fair values (Derivatives with positive fair value + Derivatives with negative fair value)
3M	Austria	2	2	2	0	0	0	0	0
1Y		9	9	9	0	0	0	0	0
2Y		381	13	381	80	0	0	0	0
3Y		53	0	53	53	0	0	0	0
5Y		54	0	54	54	0	0	0	0
10Y		139	0	139	0	0	0	0	0
15Y		3.848	3.537	3.848	98	0	0	0	0
		4.487	3.561	4.487	285	0	0	0	0
3M	Belgium	50	50	50	0	0	0	0	0
1Y		75	75	75	0	0	0	0	0
2Y		218	196	218	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		135	100	135	0	0	0	0	0
10Y		101	0	101	0	0	0	0	0
15Y		590	0	590	0	0	0	0	0
		1.169	421	1.169	0	0	0	0	0
3M	Bulgaria	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Cyprus	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Czech Republic	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		40	0	40	0	0	0	0	0
10Y		10	0	10	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		50	0	50	0	0	0	0	0
3M	Denmark	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Estonia	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		8	8	8	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		8	8	8	0	0	0	0	0
3M	Finland	21	21	21	0	0	0	0	0
1Y		36	36	36	0	0	0	0	0
2Y		45	45	45	0	0	0	0	0
3Y		7	7	7	0	0	0	0	0
5Y		22	22	22	0	0	0	0	0
10Y		8	8	8	0	0	0	0	0
15Y		50	41	50	0	0	0	0	0
		189	180	189	0	0	0	0	0

3M	France	0	0	0	0	0	0	0	0
1Y		19	5	19	0	0	0	0	0
2Y		5	5	5	0	0	0	0	0
3Y		23	23	23	0	0	0	0	0
5Y		22	22	22	0	0	0	0	0
10Y		322	158	322	78	0	0	0	0
15Y		700	172	700	107	0	0	0	0
		1.091	384	1.091	185	0	0	0	0
3M	Germany	771	505	771	0	55	0	0	0
1Y		1.667	1.182	1.667	51	51	0	0	0
2Y		1.531	1.080	1.531	0	0	0	0	0
3Y		2.034	1.441	2.034	0	0	0	0	4
5Y		3.330	2.269	3.330	0	0	0	0	0
10Y		3.653	2.832	3.653	3	0	0	-16	0
15Y		2.801	2.592	2.801	0	0	0	20	0
		15.788	11.900	15.788	54	106	0	3	4
3M	Greece	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Hungary	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		112	0	112	0	0	0	0	0
10Y		245	0	245	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		357	0	357	0	0	0	0	0
3M	Iceland	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Ireland	0	0	0	0	0	0	0	0
1Y		17	17	17	0	0	0	0	0
2Y		12	12	12	0	0	0	0	0
3Y		15	15	15	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		44	44	44	0	0	0	0	0
3M	Italy	113	0	113	0	0	0	0	0
1Y		6	0	6	0	0	0	0	0
2Y		2.084	2.066	2.084	0	0	0	0	0
3Y		69	0	69	0	0	0	0	0
5Y		1.577	0	1.577	0	0	0	0	0
10Y		808	0	808	0	0	0	0	0
15Y		2.482	0	2.482	1.214	0	0	0	0
		7.138	2.066	7.138	1.214	0	0	0	0
3M	Latvia	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Liechtenstein	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Lithuania	4	4	4	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		37	0	37	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		41	4	41	0	0	0	0	0
3M	Luxembourg	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0

3M	Malta	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		78	0	78	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		78	0	78	0	0	0	0	0
3M	Netherlands	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		1	1	1	0	0	0	0	0
3M	Norway	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Poland	42	0	42	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		335	12	335	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		1.053	0	1.053	0	0	0	0	0
10Y		438	3	438	0	0	0	0	0
15Y		111	0	111	0	0	0	0	0
		1.978	15	1.978	0	0	0	0	0
3M	Portugal	0	0	0	0	0	0	0	0
1Y		25	0	25	0	25	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		101	0	101	0	0	0	0	0
5Y		23	0	23	0	23	0	0	0
10Y		229	50	229	41	49	0	0	0
15Y		116	0	116	96	20	0	0	0
		494	50	494	137	117	0	0	0
3M	Romania	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Slovakia	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		38	0	38	0	0	0	0	0
10Y		63	0	63	0	0	0	0	0
15Y		38	0	38	0	0	0	0	0
		139	0	139	0	0	0	0	0
3M	Slovenia	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		49	0	49	0	0	0	0	0
10Y		46	0	46	20	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		95	0	95	20	0	0	0	0
3M	Spain	51	0	51	0	0	0	0	0
1Y		115	39	115	0	0	0	0	0
2Y		387	1	387	0	0	0	0	0
3Y		106	0	106	0	0	0	0	0
5Y		783	229	783	0	0	0	0	0
10Y		1.277	726	1.277	0	0	0	0	0
15Y		675	108	675	0	0	0	0	0
		3.394	1.102	3.394	0	0	0	0	0
3M	Sweden	0	0	0	0	0	0	0	0
1Y		77	69	77	0	0	0	0	0
2Y		55	41	55	0	0	0	0	0
3Y		23	23	23	0	0	0	0	0
5Y		139	132	139	0	0	0	0	0
10Y		116	116	116	0	0	0	0	0
15Y		5	5	5	0	0	0	0	0
		415	387	415	0	0	0	0	0
3M	United Kingdom	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		4	4	4	0	0	0	0	0
15Y		35	35	35	0	0	0	0	0
		38	38	38	0	0	0	0	0
	TOTAL EEA 30	**36.996**	**20.163**	**36.996**	**1.895**	**223**	**0**	**3**	**4**

3M	United States	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		22	0	22	0	0	0	0	0
3Y		8	0	8	0	0	0	0	0
5Y		76	0	76	0	0	0	0	0
10Y		34	0	34	0	0	0	0	0
15Y		578	0	578	0	0	35	0	0
		718	0	718	0	0	35	0	0
3M	Japan	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		365	0	365	0	0	0	0	0
10Y		236	6	236	0	0	0	0	0
15Y		506	159	506	279	0	0	0	0
		1.107	165	1.107	279	0	0	0	0
3M	Other non EEA non Emerging countries	0	0	0	0	0	0	0	0
1Y		239	0	239	0	0	0	0	0
2Y		211	211	211	0	0	0	0	0
3Y		202	50	202	0	0	0	0	0
5Y		1.026	173	1.026	0	0	0	0	0
10Y		350	76	350	0	0	0	0	0
15Y		143	0	143	0	0	0	0	0
		2.171	510	2.171	0	0	0	0	0
3M	Asia	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Middle and South America	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Eastern Europe non EEA	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		0	0	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		0	0	0	0	0	0	0	0
15Y		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
3M	Others	0	0	0	0	0	0	0	0
1Y		0	0	0	0	0	0	0	0
2Y		20	20	0	0	0	0	0	0
3Y		0	0	0	0	0	0	0	0
5Y		0	0	0	0	0	0	0	0
10Y		28	0	0	0	0	0	0	0
15Y		9	0	0	0	0	0	0	0
		57	20	0	0	0	0	0	0
	TOTAL	**41.049**	**20.857**	**40.992**	**2.174**	**223**	**35**	**3**	**4**

Notes and definitions

(1) The allocation of countries and exposures to macro areas and emerging/non-emerging is according to the IMF WEO country groupings. See: http://www.imf.org/external/pubs/ft/weo/2010/01/weodata/groups.htm

(2) The exposures reported in this worksheet cover only exposures to central and local governments on immediate borrower basis, and do not include exposures to other counterparts with full or partial government guarantees (such exposures are however included in the total EAD reported in the worksheet "4 - EADs").

(3) According to the EBA methodologies, for the trading book assets banks have been allowed to offset only cash short positions having the same maturities (paragraph 202 of the Methodological note).