

Euro Rates Update

Nordea Research, 09 marts 2016

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US Treasury Yields				
	2Y	5Y	10Y	30Y
	0.87	1.34	1.82	2.63
Δ 1D	-3.2	-7.6	-9.9	-10.3
Δ 1W	6.1	10.4	7.0	0.4

German Benchmark Yields				
	2Y	5Y	10Y	30Y
	-0.56	-0.39	0.17	0.96
Δ 1D	-1.8	-2.8	-4.4	-2.6
Δ 1W	0.3	0.6	5.7	13.8

German Curve Slopes				
	2-5Y	5-10Y	2-10Y	10-30Y
	-16.7	-56.2	-73.0	-79.2
Δ 1D	-1.0	-1.6	-2.6	1.8
Δ 1W	0.3	5.2	5.4	8.1

EUR Swap Curve Slopes				
	2-5Y	5-10Y	2-10Y	10-30Y
	-18.4	-56.3	-74.7	-56.2
Δ 1D	-0.8	-1.0	-1.8	1.3
Δ 1W	0.1	3.1	3.2	6.9

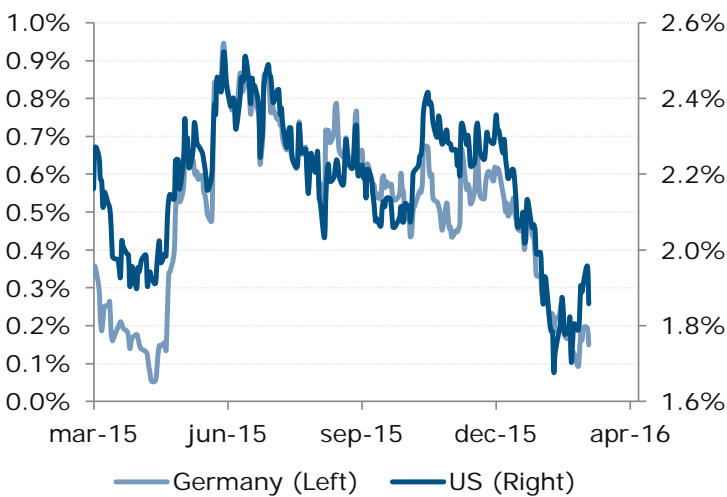
German Asset Swap Levels				
	2Y	5Y	10Y	30Y
	-35.4	-37.6	-36.0	-9.9
Δ 1D	-0.7	-0.7	-1.3	-1.0
Δ 1W	-1.1	-0.2	1.8	2.9

10Y Benchmark Yields				
	Yield	Δ 1D	Spread	Δ 1D
GER	0.168	-4.4	-	-
FRA	0.481	-5.7	33.7	-1.4
ITA	1.407	-1.6	126.1	2.7
ESP	1.570	1.7	143.5	6.0
BEL	0.466	-5.5	37.7	-1.3
HOL	0.293	-5.6	19.6	-1.3
AUT	0.431	-5.9	30.0	-1.6
GRE	8.778	-17.8	873.1	-13.6
POR	2.962	2.5	283.3	6.8
FIN	0.422	-4.5	30.4	-0.2
IRL	0.871	-4.5	67.3	-0.2

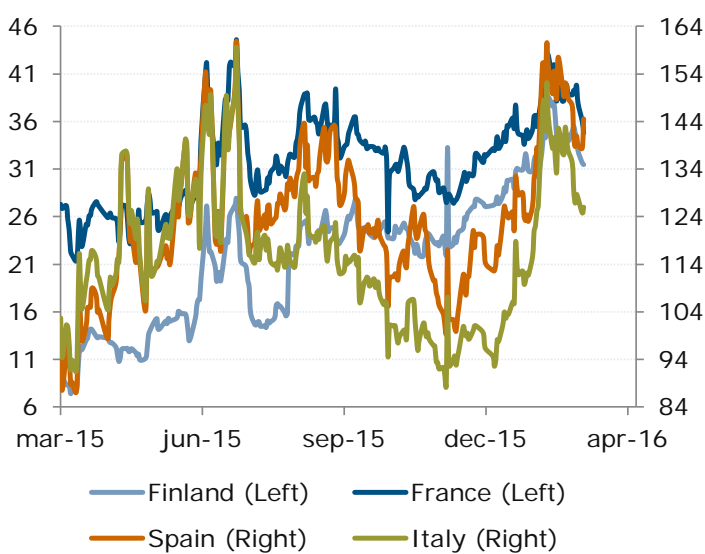
Spread = Maturity interpolated spread to German government par yield curve

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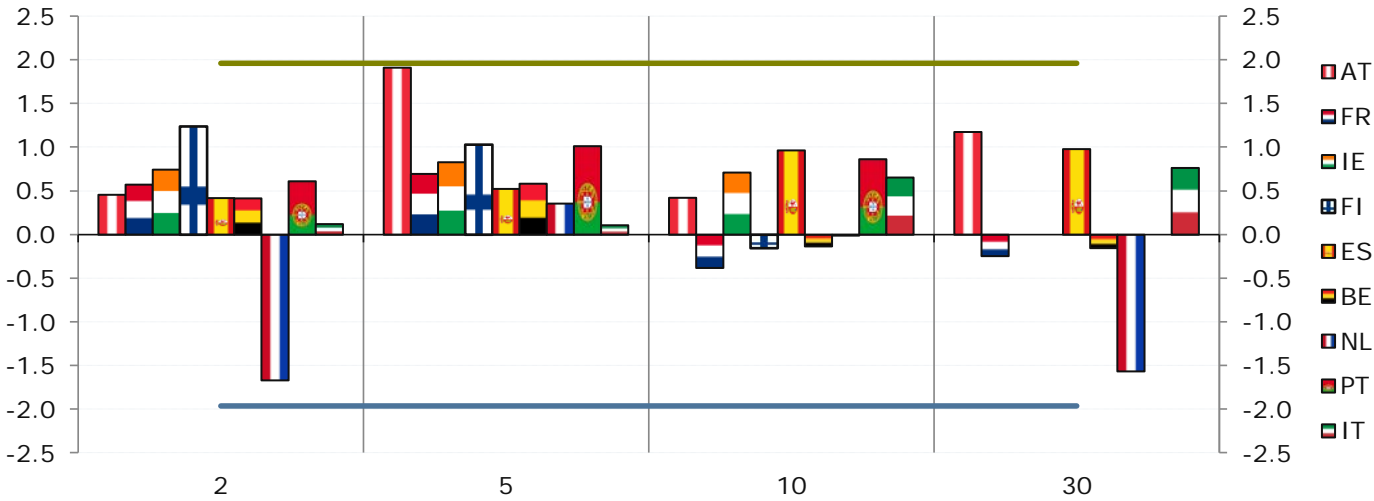
German & US 10-year benchmark yields, %



10 year spreads against Germany, bp



Z-scores of benchmark vs. Germany



Upcoming Issuance (source: Bloomberg)						
Date	Country	Coupon	Maturity	Amount (EURbn)		
09 mar	GE	0.00%	2018	4.00		
09 mar	PO					
11 mar	IT					
14 mar	LN	2.10%	2024			
16 mar	GE			4.00		

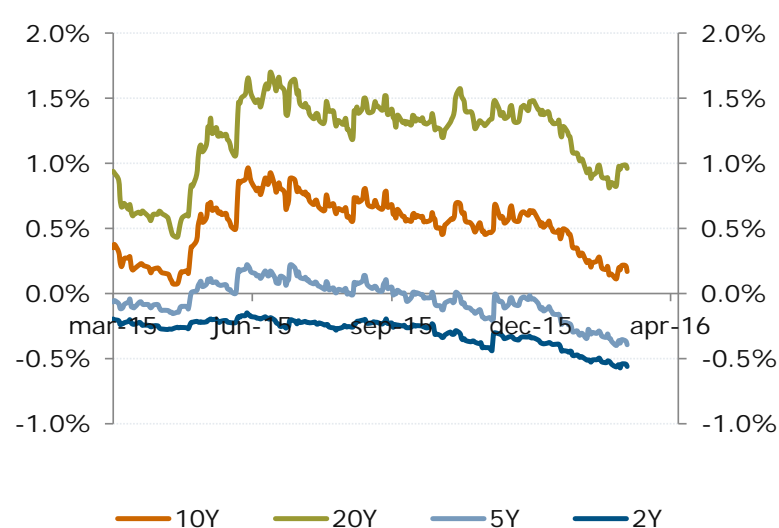
All bond quotes are taken at 16:15 CET.

Bond Yields & Curves

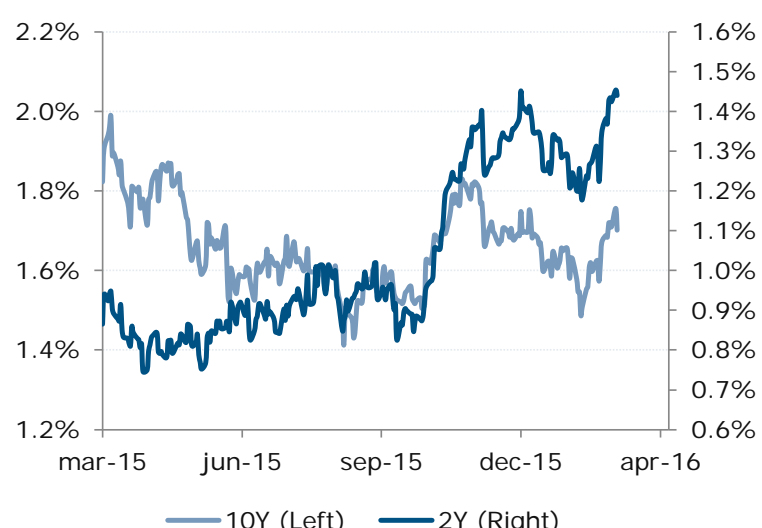
Yield Levels

German & US benchmark bonds on-the-run Nordea Analytics benchmarks.

German benchmark bond yields, %



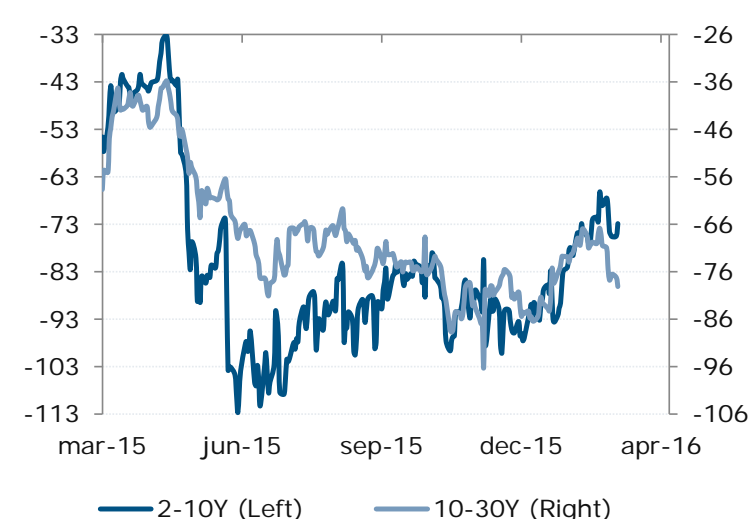
USA-Germany spreads, annualized yields, %



Bond Curve Shape

German curve slopes are yield spreads between Nordea Analytics benchmark bonds.

German yield curve slopes, bp

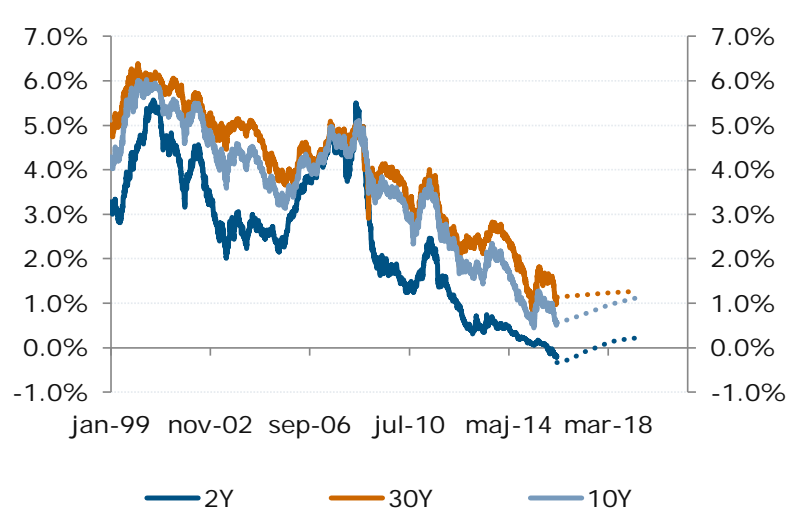


Bonds vs. equities



Swaps and Forwards

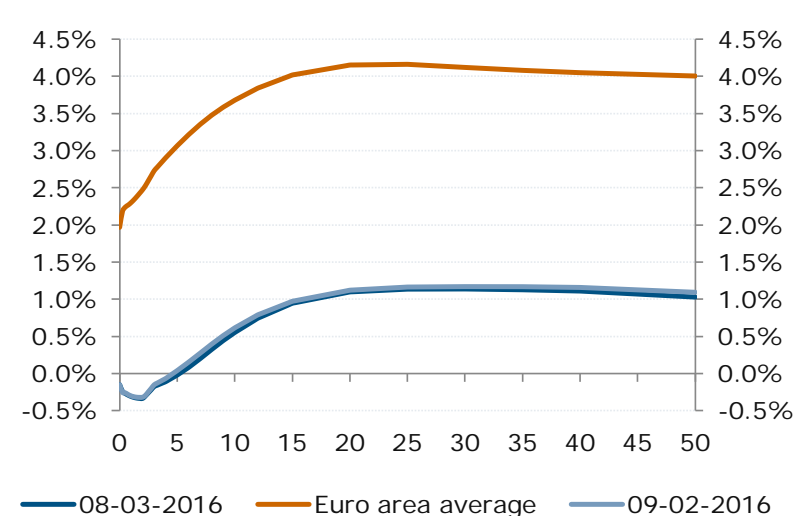
EUR swap rates and implied forwards, %



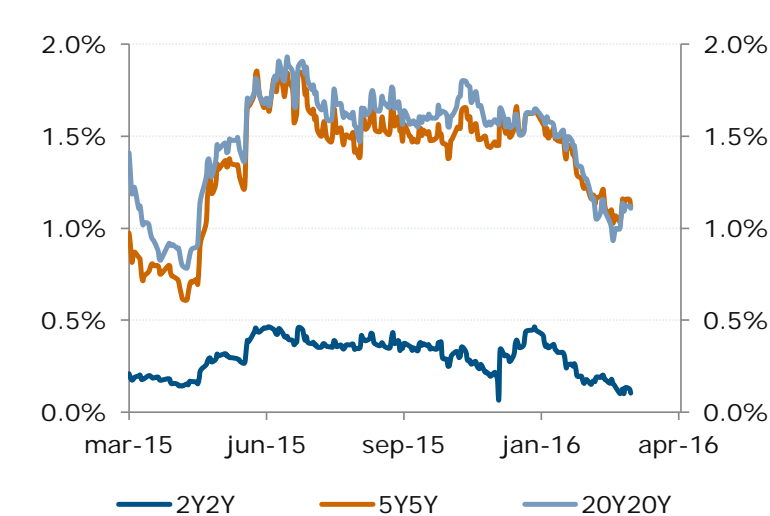
EUR-USD spreads and implied forwards, %



EUR swap curve shape vs. historical



Historical forward rates, %



E.g. 2Y2Y swap rate illustrates the rate of a 2-year swap with a 2-year forward start.

5Y pick-up over a duration and cash neutral 2-10Y EUR swap barbell.

Carry

The carry on the given horizon illustrates how much the spot swap rate may rise for a receiver swap position in a forward-starting swap to result in zero profit.

Yield buffers for steepeners tell how much the curve may flatten in order to result in a zero-profit in a forward starting steepener position.

Money Market Rates

The EONIA (Euro Overnight Index - Average) rate is the effective overnight reference rate for the euro.

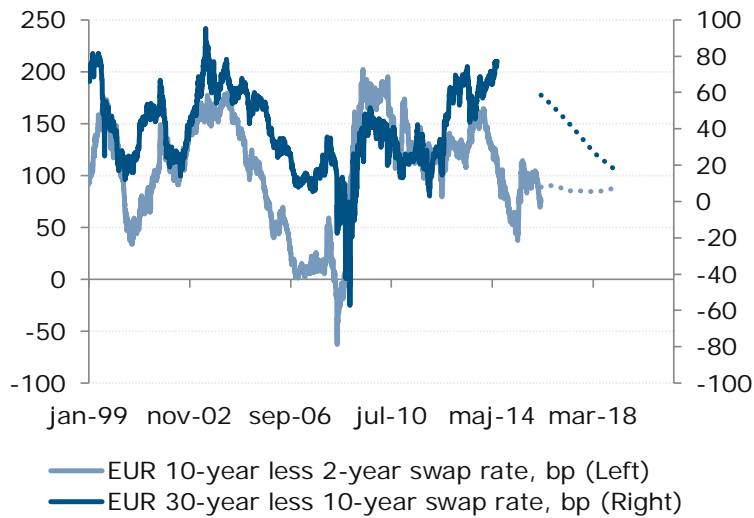
Inflation-linked Bonds

Break-even inflation calculated as a yield spread to a nominal comparable bond.

Inflation Swaps

A zero-coupon inflation swap is a derivative contract, in which one party pays a fixed rate (the break-even inflation rate) and the other party pays a floating rate based on realized inflation. The zero-coupon inflation swap illustrates the average expected inflation rate during the life of the swap.

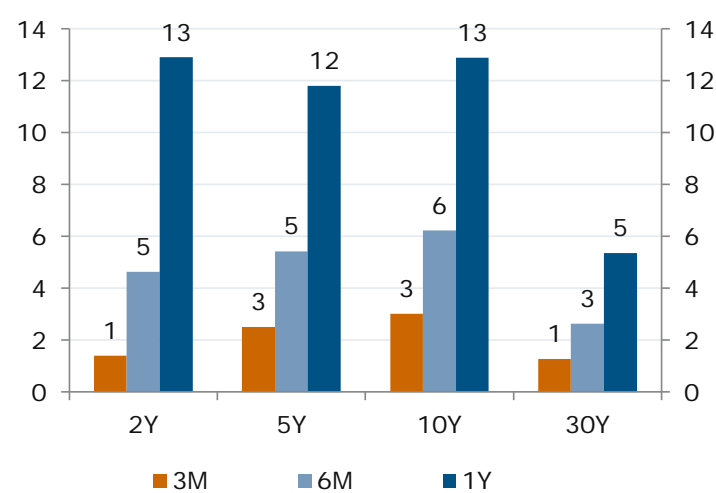
EUR swap curve slopes and forwards



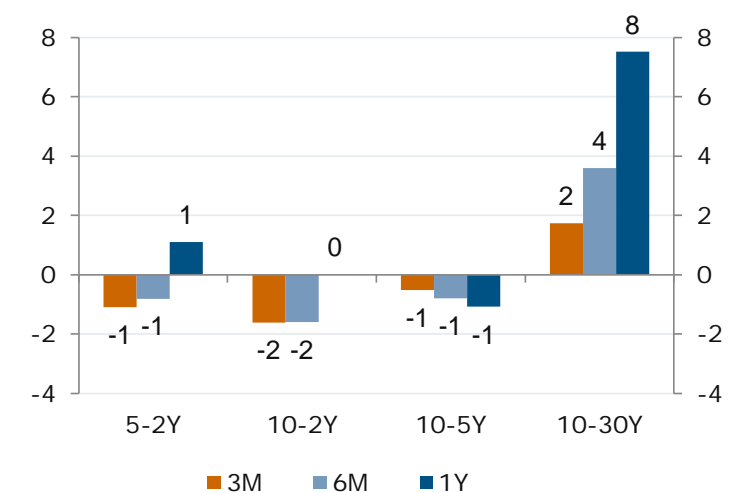
Curvature (EUR swap curve)



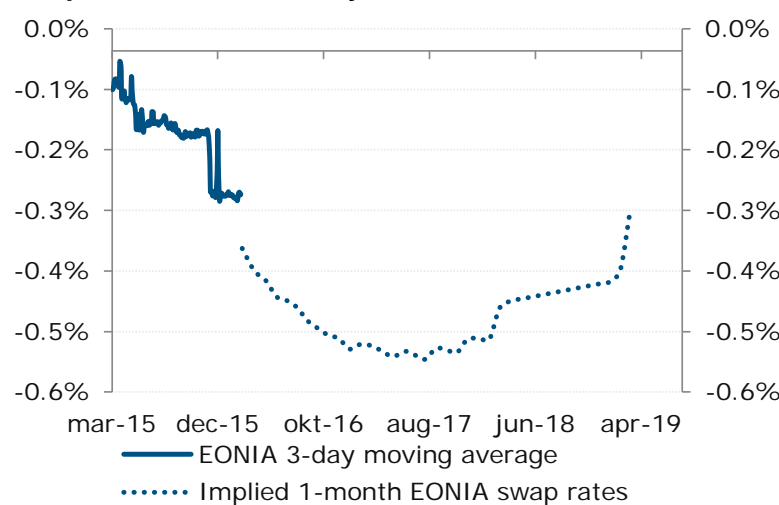
Yield buffers for forward-starting swaps, bp



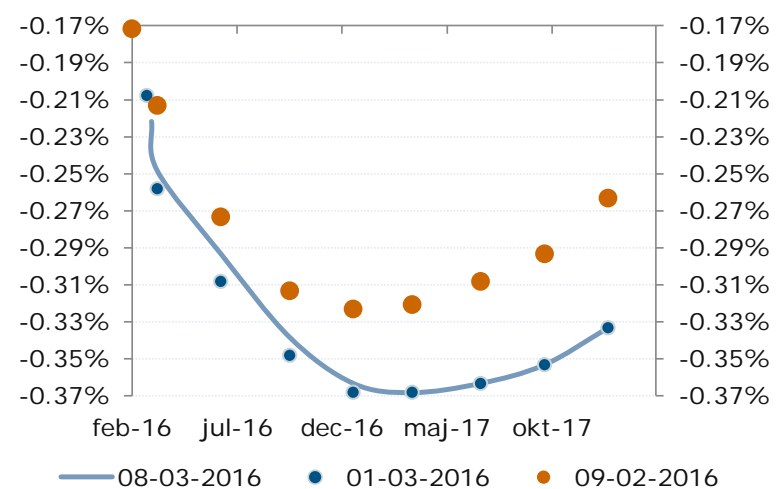
Yield buffers for duration-neutral steepeners, bp



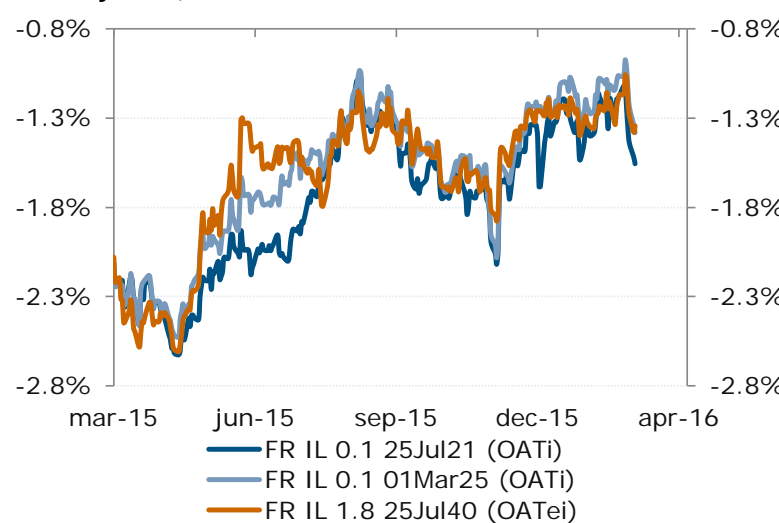
Expectations and history for EONIA



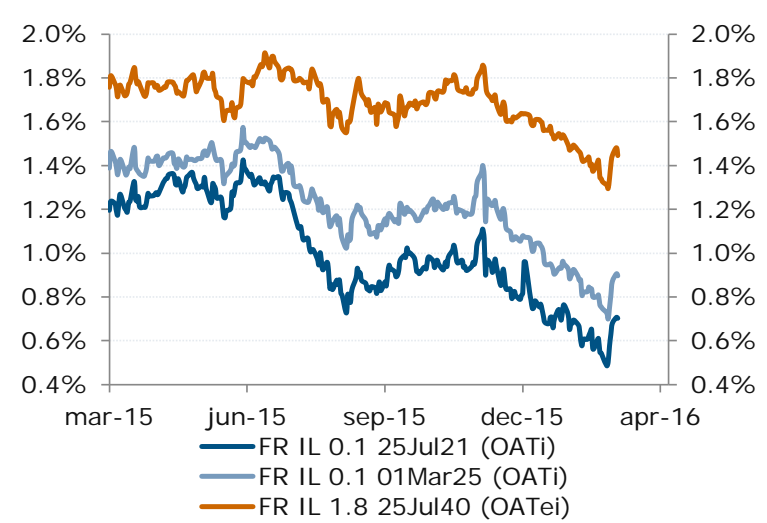
Euribor futures curve, now, 1 wk & 1M ago



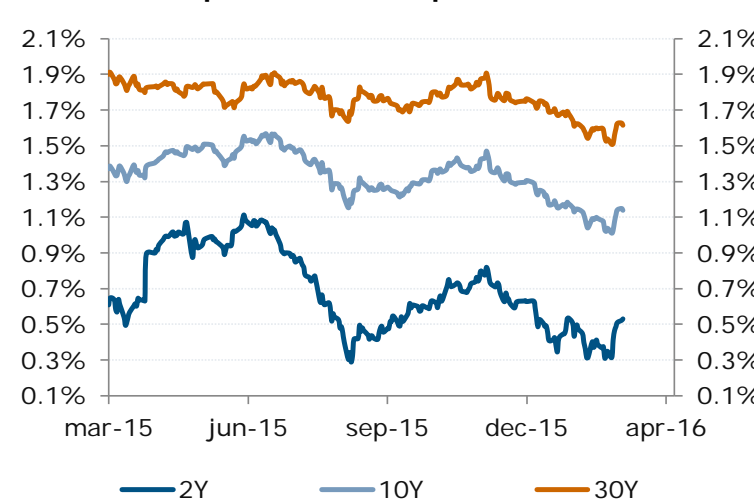
Real yields, %



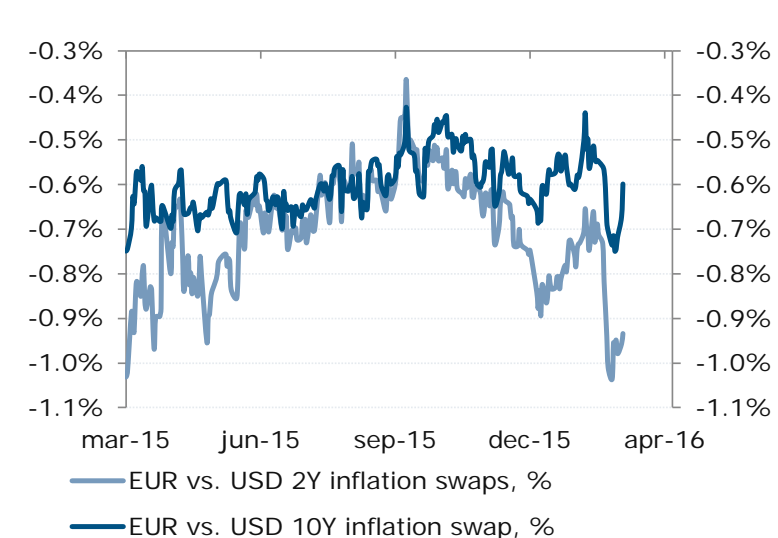
Break-even inflation history, %



EUR zero-coupon inflation swaps



EUR vs. USD inflation swaps

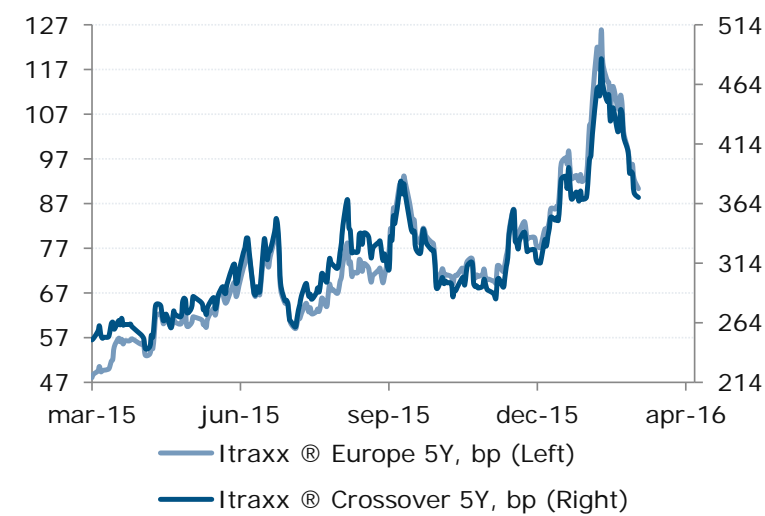


Credit & Money Market Spreads

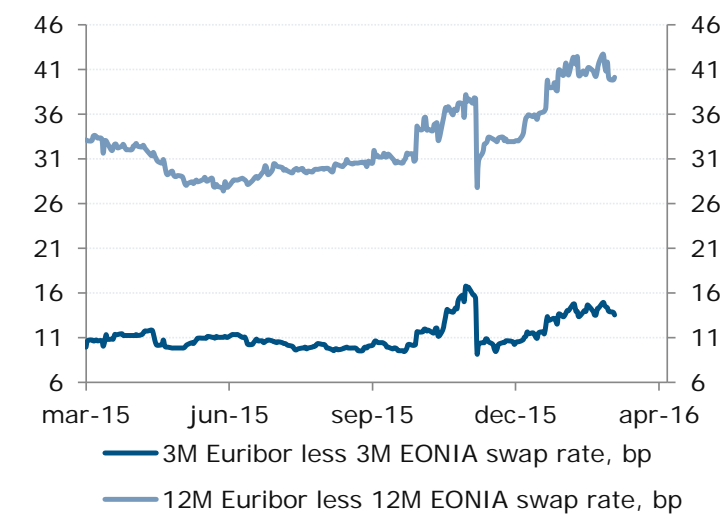
Credit default swap indices illustrate the annual cost of buying protection against a credit event of a company. iTraxx® Europe is comprised of the 125 most liquid CDS contracts referencing European investment grade credits, iTraxx® Crossover of 50 sub-investment grade credits.

The spread between Euribor and EONIA swap rate illustrates the money market credit risk premium, i.e. the difference between Euribor rates and the expected future ECB minimum bid rate.

iTraxx® credit default swap spreads



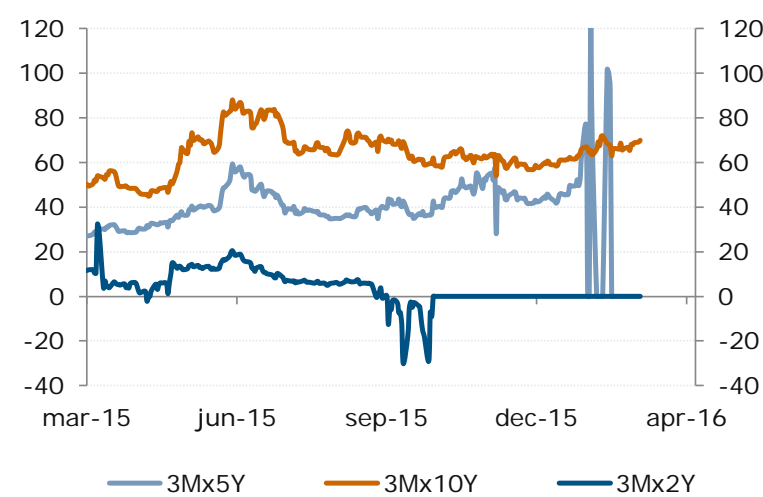
Money market rates vs. EONIA swap rates



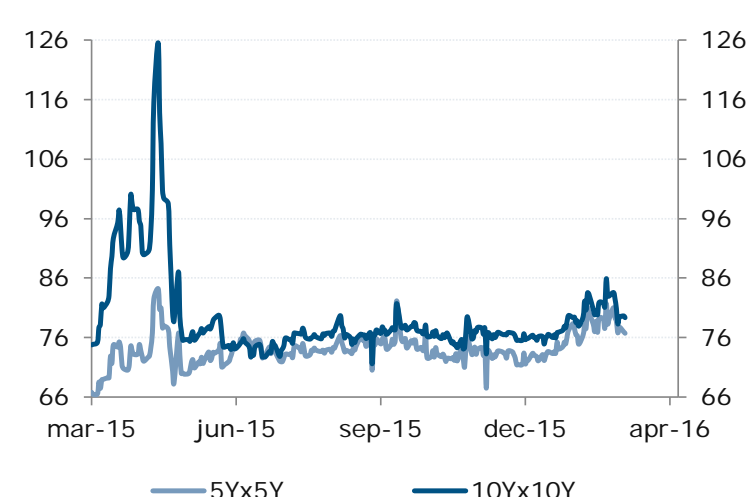
Swaption Volatilities

ATMF (At The Money Forward) swaption bp vol measures the normalized volatility, i.e. the absolute changes in the forward rate in basis points.

Short-dated ATMF swaption bp vol



Long-dated ATMF swaption bp vol

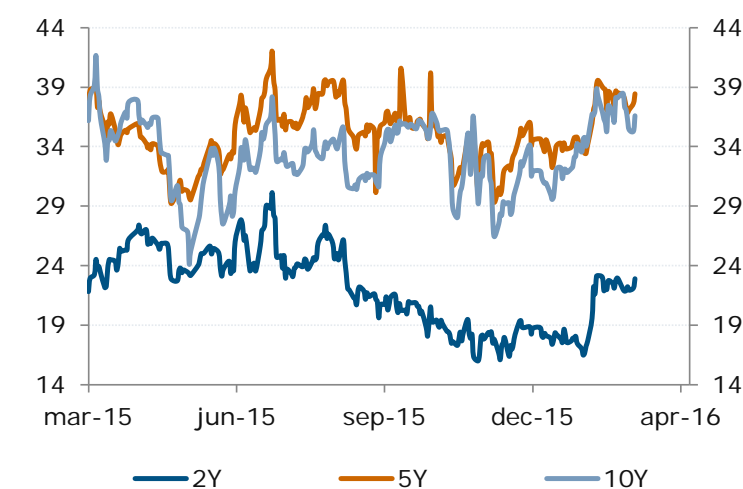


Swap & Cross-country Spreads

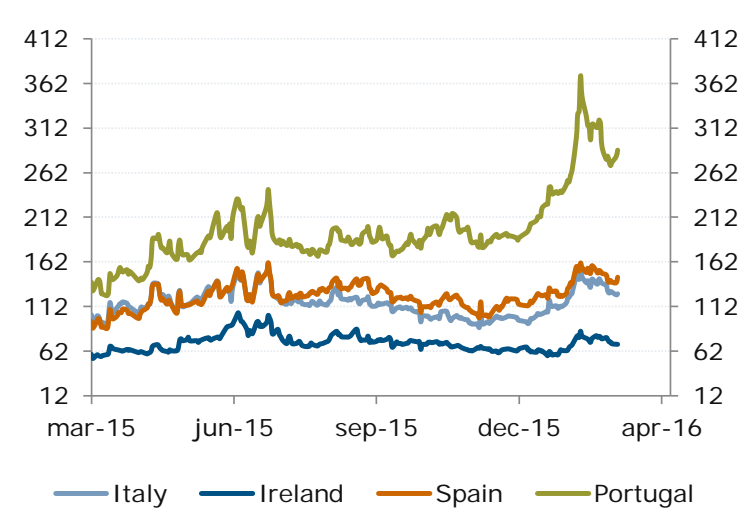
Swap spread:
Benchmark bond's spread to EUR swap curve.

10Y country spreads are maturity interpolated spreads against the German government curve.

German swap spreads, bp



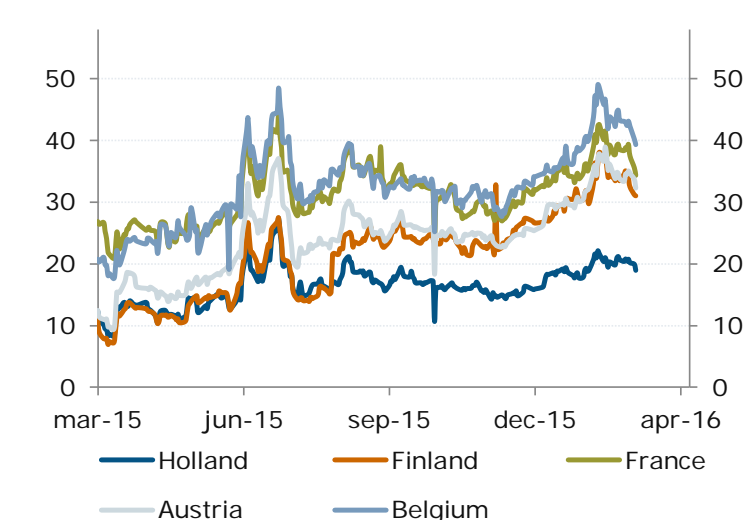
10Y non-AAA spreads against Germany, bp



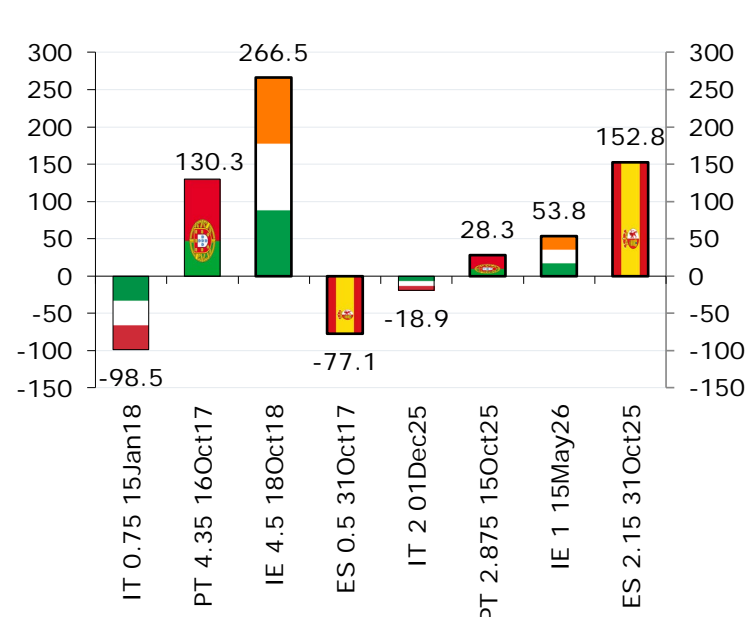
1Y break-even spread changes indicate how much a bond's spread against an equivalent bond trading on the German curve may widen in order to give the same return in one year.

The break-even spread change is based on the spread against the following two German benchmark bonds:
DE TB 16Mar18
DE 0.5 15Feb26

10Y AAA/AA+ spreads to Germany, bp



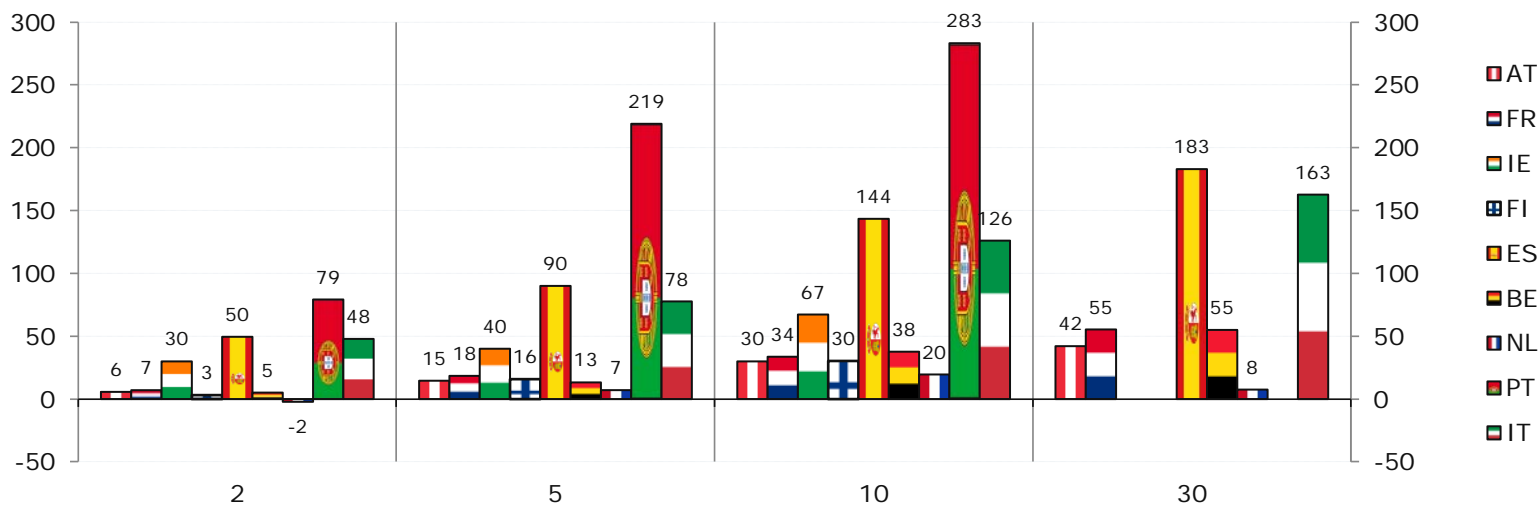
1Y B/E spread changes against Germany, bp



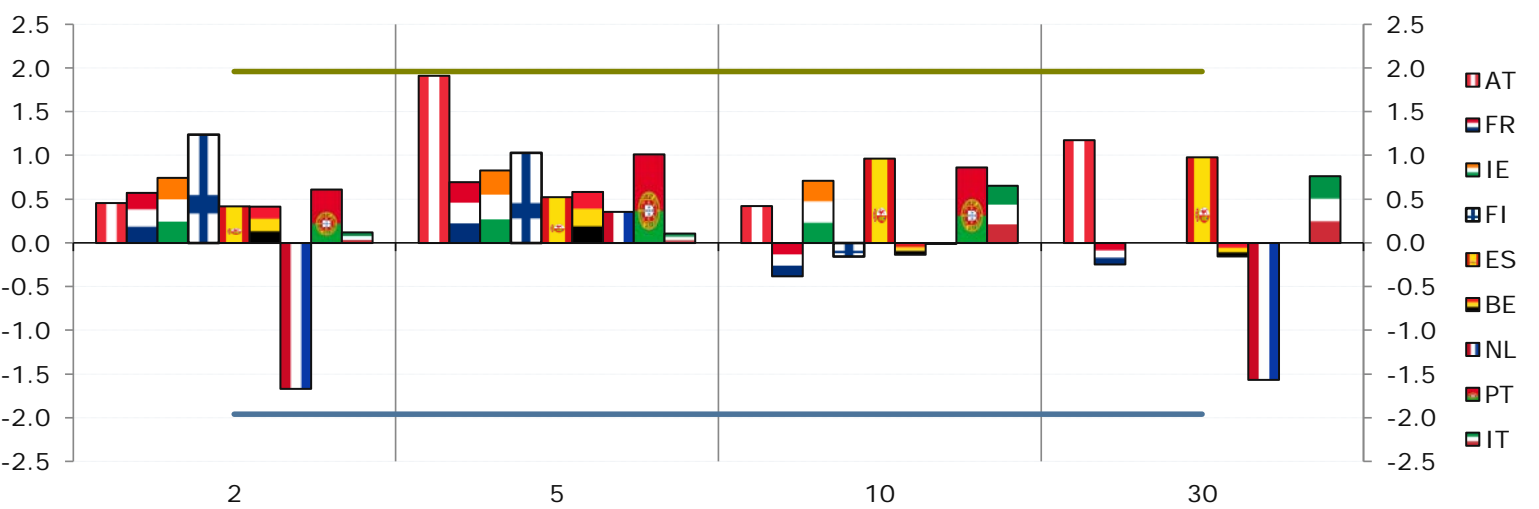


Country Relative Value

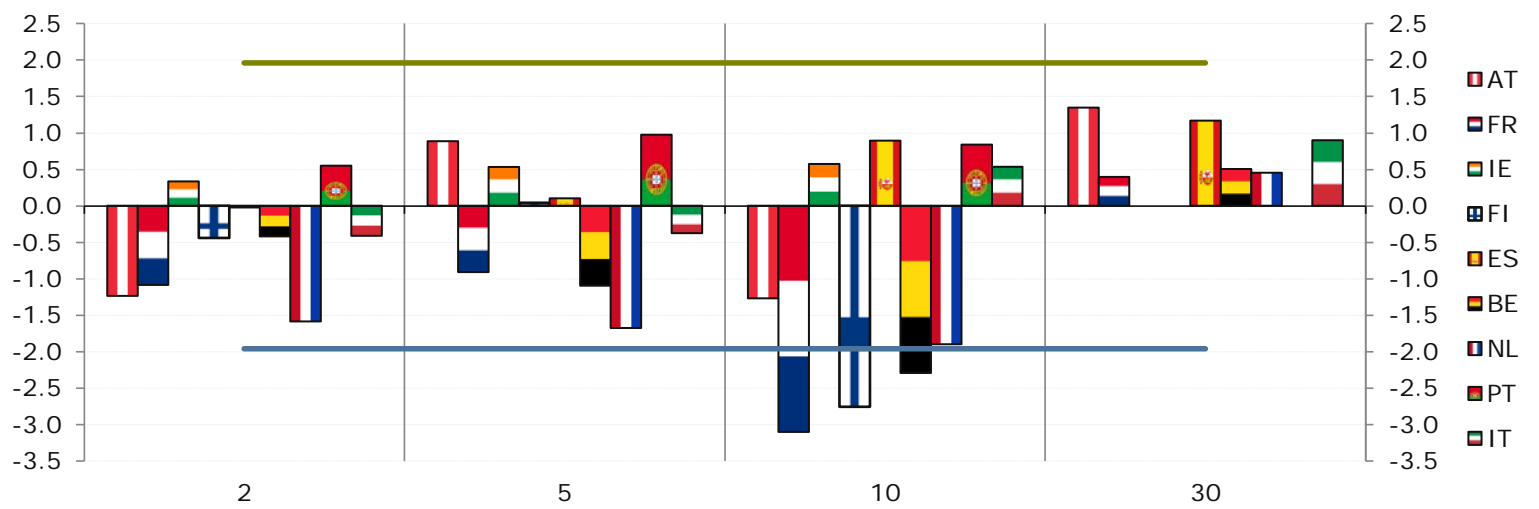
Benchmark spreads over the maturity-interpolated German par curve, bp



Z-scores of benchmark vs. Germany



Z-scores of benchmark vs. swap curve



The richest and cheapest benchmark bonds against Germany and the swap curve by sectors:

Against German Curve						Against Swap Curve				
	Issue	Maturity	Coupon	Spread	Z-score	Issue	Maturity	Coupon	Spread	Z-score
2Y: Rich	NL	15 apr 17	0.500	-2.2	-1.62	KfW	12 feb 18	0.625	-19.4	-2.78
	KfW	18 mar 19	0.875	18.3	2.97	PT	14 jun 19	4.750	151.1	0.91
5Y: Rich	EIB	15 okt 20	0.250	19.0	-1.40	EIB	15 okt 20	0.250	-18.4	-2.00
	AT	18 okt 19	0.250	14.9	2.01	PT	15 apr 21	3.850	210.8	0.96
7Y: Rich	BE	22 jun 23	2.250	25.6	-1.60	KfW	11 jun 24	1.500	-19.6	-3.02
	AT	20 apr 22	3.650	20.7	1.91	AT	20 apr 22	3.650	-17.2	1.05
10Y: Rich	BE	22 jun 26	1.000	39.6	-1.61	BE	22 jun 26	1.000	4.4	-3.11
	KfW	15 jan 25	0.625	23.2	1.62	KfW	15 jan 25	0.625	-15.0	2.29
15Y: Rich	NL	15 jan 37	0.000	13.2	-1.77	NL	15 jan 33	2.500	-12.9	-1.74
	KfW	23 apr 30	0.375	26.9	1.09	AT	15 mar 37	4.150	29.7	1.17
20Y: Rich	NL	15 jan 47	2.750	7.6	-1.51	AT	20 feb 47	1.500	32.7	-0.42
	ES	31 okt 44	5.150	183.1	0.94	DE	15 aug 46	2.500	-9.9	1.33

To exploit the historical cheapness/ richness of bonds, we calculate 60-day z-scores:

Current spread - 60-day average
standard deviation

Bond is

- rich if z-score < -1.96
- cheap if z-score > 1.96

We evaluate bonds included in the country specific tables below. Bonds are ranked by z-scores.



	15	16	17
GDP, %, y/y	1.5	1.5	2.0
Public balance	0.4	0.2	0.2
Debt/GDP	74.2	71.9	68.9

Source: European Commission, Winter 2015 forecast

Rating	Aaa/AAA/AAA
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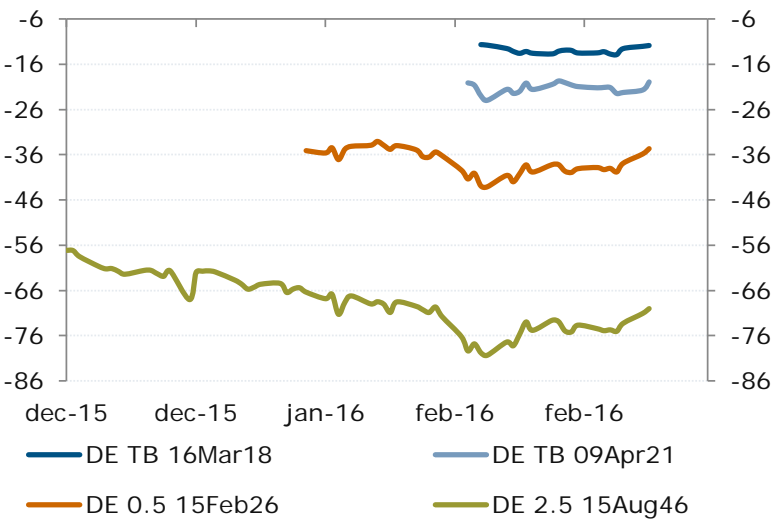
Moody's / S&P / Fitch

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the French curve.

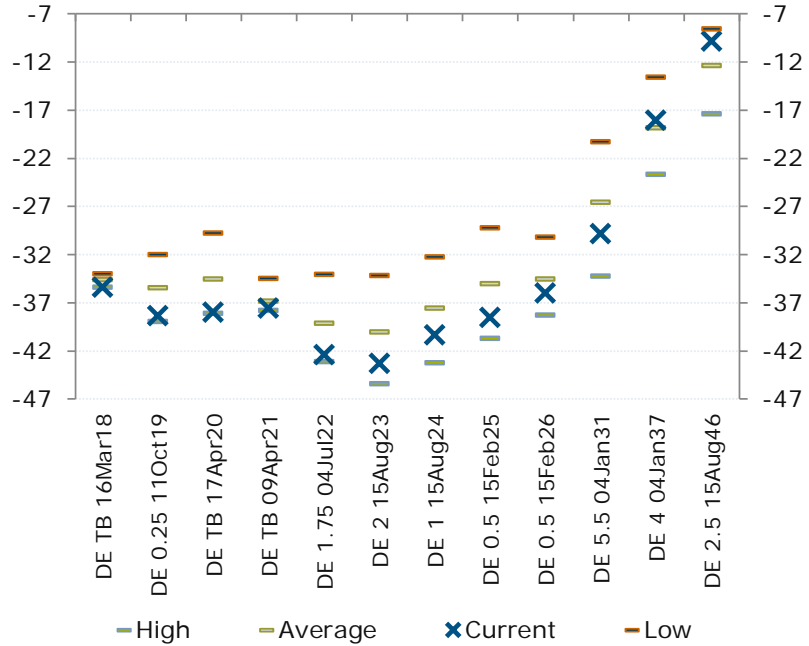
Germany

Benchmark Bonds				Spread vs. France				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
0.000	16 mar 18	5.0B	-0.562	-11.8	-12.9	1.82	0.3	-35.4	-34.7	-1.89
0.250	11 okt 19	16.0B	-0.526	-18.1	-16.9	-0.62	1.1	-38.4	-35.5	-1.58
0.000	17 apr 20	20.0B	-0.486	-18.4	-16.8	-0.70	1.4	-38.1	-34.6	-1.80
0.000	09 apr 21	9.0B	-0.395	-19.9	-21.2	1.46	43.9	-37.6	-36.9	-1.19
1.750	04 jul 22	24.0B	-0.311	-27.2	-26.3	-0.35	0.9	-42.5	-39.2	-1.67
2.000	15 aug 23	18.0B	-0.191	-31.2	-31.5	0.14	0.7	-43.4	-40.1	-1.18
1.000	15 aug 24	18.0B	-0.042	-31.7	-33.4	0.65	1.5	-40.4	-37.6	-0.98
0.500	15 feb 25	23.0B	0.037	-32.1	-33.0	0.33	-0.4	-38.6	-35.1	-1.21
0.500	15 feb 26	10.0B	0.168	-34.6	-37.6	1.18	-0.4	-36.0	-34.6	-0.68
5.500	04 jan 31	17.0B	0.515	-51.9	-51.6	-0.07	-0.2	-29.9	-26.6	-1.15
4.000	04 jan 37	23.0B	0.802	-62.3	-61.2	-0.20	0.1	-18.1	-18.9	0.39
2.500	15 aug 46	14.0B	0.960	-70.0	-69.1	-0.18	0.0	-9.9	-12.5	1.33

Spreads against the French curve, bp



Asset swap term structure, bp



	15	16	17
GDP, %, y/y	0.4	1.0	1.8
Public balance	-4.3	-4.1	-4.1
Debt/GDP	95.3	97.1	98.2

Source: European Commission, Winter 2015 forecast

Rating	Aa1/AA/AA
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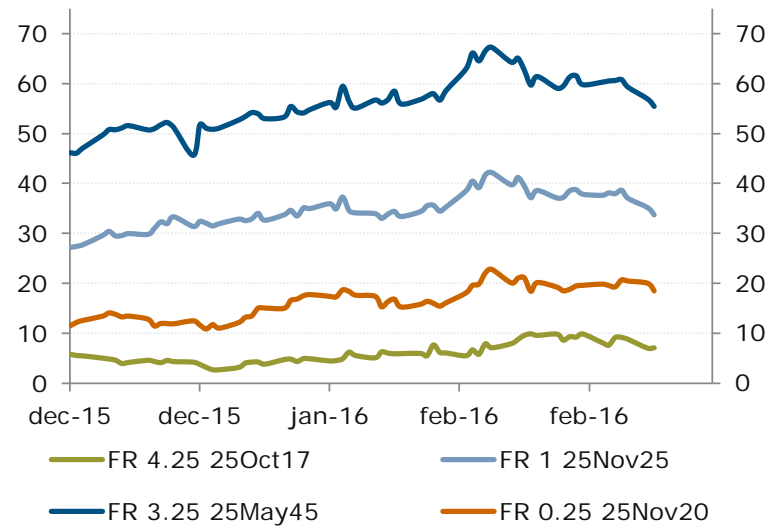
Moody's / S&P / Fitch

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

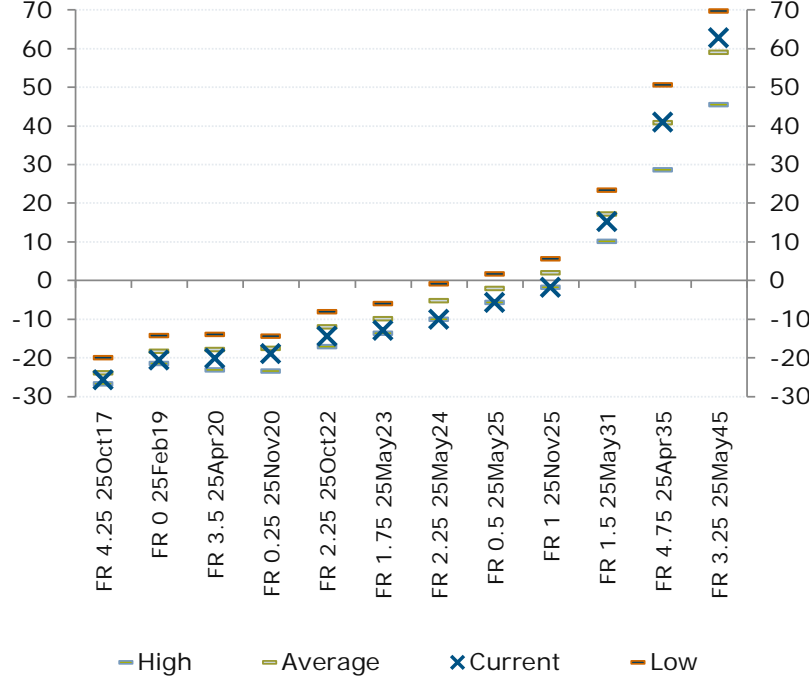
France

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
4.250	25 okt 17	34.03B	-0.464	7.1	6.2	0.56	0.7	-25.8	-24.0	-1.34
0.000	25 feb 19	9.48B	-0.385	17.4	15.2	1.28	0.4	-20.6	-18.5	-1.98
3.500	25 apr 20	36.02B	-0.315	16.7	15.2	0.72	-2.3	-20.2	-18.0	-1.25
0.250	25 nov 20	20.95B	-0.243	18.5	16.7	0.67	-1.8	-18.9	-17.7	-0.75
2.250	25 okt 22	27.01B	-0.015	24.4	24.2	0.08	-1.3	-14.5	-12.1	-1.07
1.750	25 maj 23	33.97B	0.071	26.2	27.0	-0.41	-0.8	-13.0	-10.0	-1.74
2.250	25 maj 24	30.55B	0.209	26.7	29.0	-1.02	-0.4	-10.1	-5.3	-2.72
0.500	25 maj 25	31.02B	0.401	32.2	33.4	-0.49	0.5	-5.7	-2.2	-2.52
1.000	25 nov 25	25.99B	0.481	33.7	34.9	-0.43	0.4	-1.8	2.0	-2.66
1.500	25 maj 31	12.01B	1.055	44.6	45.2	-0.15	0.8	15.2	17.2	-0.74
4.750	25 apr 35	25.03B	1.218	38.9	40.0	-0.25	-0.1	40.8	40.7	0.03
3.250	25 maj 45	17.01B	1.559	55.4	56.6	-0.29	-0.1	62.6	58.9	0.62

Spreads against the German curve, bp



Asset swap term structure, bp





	15	16	17
GDP, %, y/y	-0.5	0.6	1.3
Public balance	-3.0	-2.6	-2.0
Debt/GDP	131.9	133.0	131.9

Source: European Commission, Winter 2015 forecast

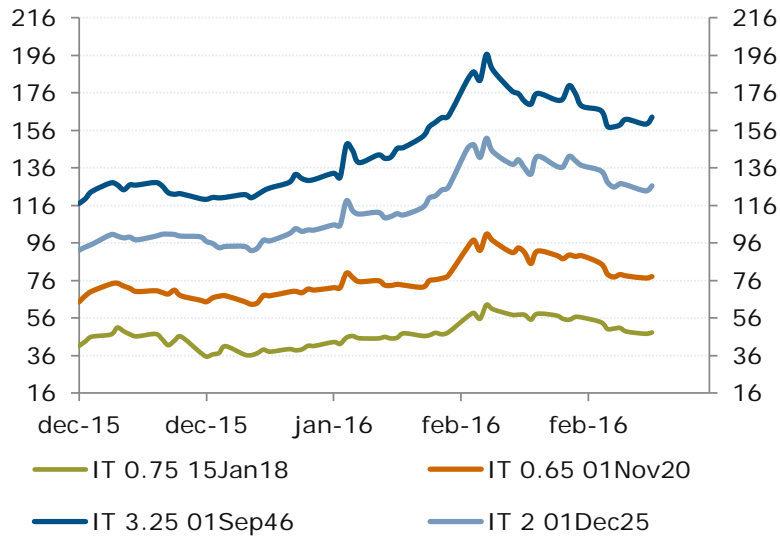
Rating	Baa2/BBB-/BBB+
Moody's / S&P / Fitch	

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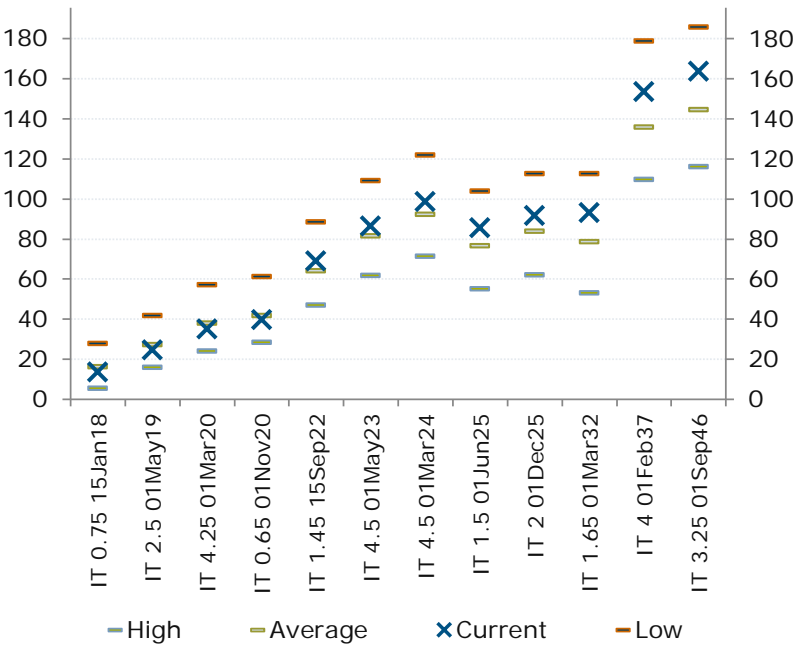
Italy

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
0.750	15 jan 18	15.46B	-0.072	47.9	47.3	0.10	-184.9	13.4	16.0	-0.56
2.500	01 maj 19	18.01B	0.060	61.0	59.0	0.34	2.7	24.5	27.1	-0.49
4.250	01 mar 20	24.01B	0.190	68.4	67.5	0.14	67.0	35.0	37.8	-0.43
0.650	01 nov 20	11.99B	0.344	77.8	77.1	0.08	51.5	39.7	41.7	-0.30
1.450	15 sep 22	17.03B	0.820	109.0	102.3	0.57	-20.3	68.9	64.0	0.48
4.500	01 maj 23	18.02B	0.937	113.7	107.0	0.55	-30.0	86.4	81.3	0.47
4.500	01 mar 24	23.71B	1.137	122.8	115.2	0.54	-34.5	98.6	92.1	0.51
1.500	01 jun 25	19.99B	1.322	124.1	112.8	0.72	-37.5	85.4	76.4	0.69
2.000	01 dec 25	17.01B	1.407	126.1	116.1	0.63	-36.6	91.6	83.8	0.58
1.650	01 mar 32	14.99B	1.945	128.7	112.0	0.83	4.6	93.1	78.4	0.85
4.000	01 feb 37	26.01B	2.366	147.8	134.3	0.71	2.5	153.5	135.8	0.86
3.250	01 sep 46	13.24B	2.636	162.8	147.9	0.73	13.0	163.7	144.6	0.92

Spreads against the German curve, bp



Asset swap term structure, bp



	15	16	17
GDP, %, y/y	1.4	2.3	2.5
Public balance	-5.6	-4.5	-3.7
Debt/GDP	98.3	101.5	102.5

Source: European Commission, Winter 2015 forecast

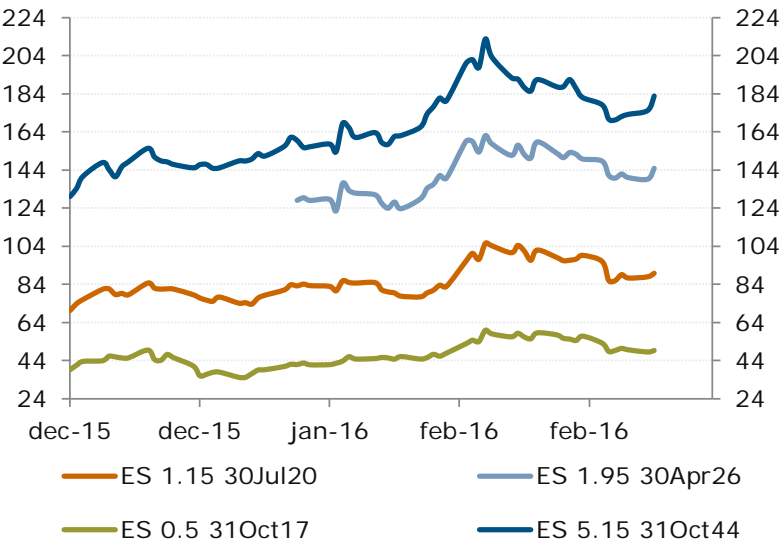
Rating	Baa2/BBB/BBB+
Moody's / S&P / Fitch	

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

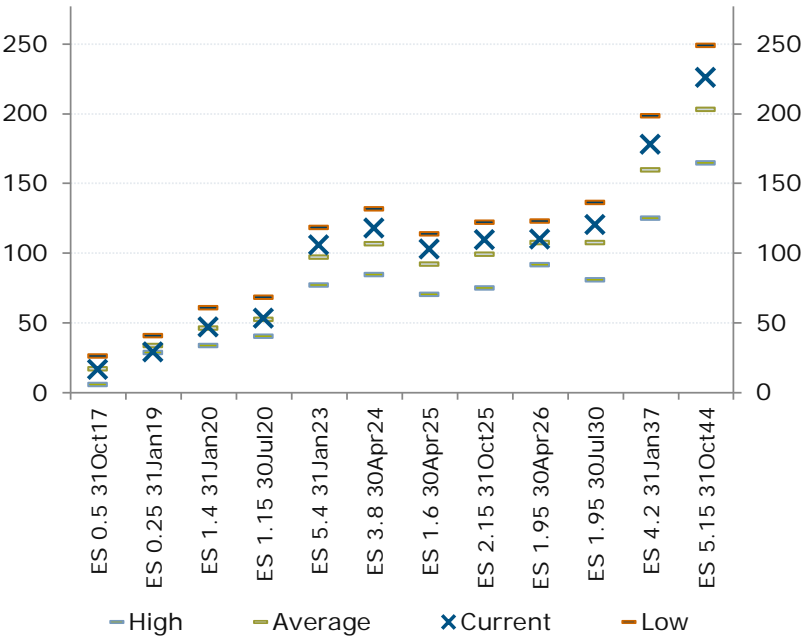
Spain

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
0.500	31 okt 17	16.99B	-0.041	49.6	47.5	0.39	-194.2	16.5	17.0	-0.13
0.250	31 jan 19	4.86B	0.112	67.2	69.4	-0.51	-37.9	28.9	33.5	-0.98
1.400	31 jan 20	21.91B	0.337	83.7	79.8	0.55	-1.5	46.7	45.9	0.14
1.150	30 jul 20	17.02B	0.444	90.1	86.4	0.49	47.0	52.9	52.1	0.14
5.400	31 jan 23	21.99B	1.039	126.8	117.1	0.91	1.6	105.4	96.8	0.85
3.800	30 apr 24	21.99B	1.368	143.6	131.5	0.93	2.6	117.7	106.6	0.95
1.600	30 apr 25	19.09B	1.488	141.9	128.5	0.97	2.2	102.8	91.8	0.98
2.150	31 okt 25	20.96B	1.570	143.5	130.6	0.93	4.3	109.4	98.7	0.92
1.950	30 apr 26	12.01B	1.645	145.2	141.9	0.31	2.7	109.7	107.2	0.31
1.950	30 jul 30	12.31B	2.130	157.2	142.1	0.96	6.0	120.1	107.4	0.98
4.200	31 jan 37	17.02B	2.574	168.7	154.7	0.88	-0.3	177.5	159.2	1.04
5.150	31 okt 44	11.23B	2.834	183.1	167.7	0.94	1.0	225.7	202.7	1.12

Spreads against the German curve, bp



Asset swap term structure, bp





	15	16	17
GDP, %, y/y	0.7	1.4	1.7
Public balance	-2.8	-2.2	-1.8
Debt/GDP	69.5	70.5	70.5

Source: European Commission, Winter 2015 forecast

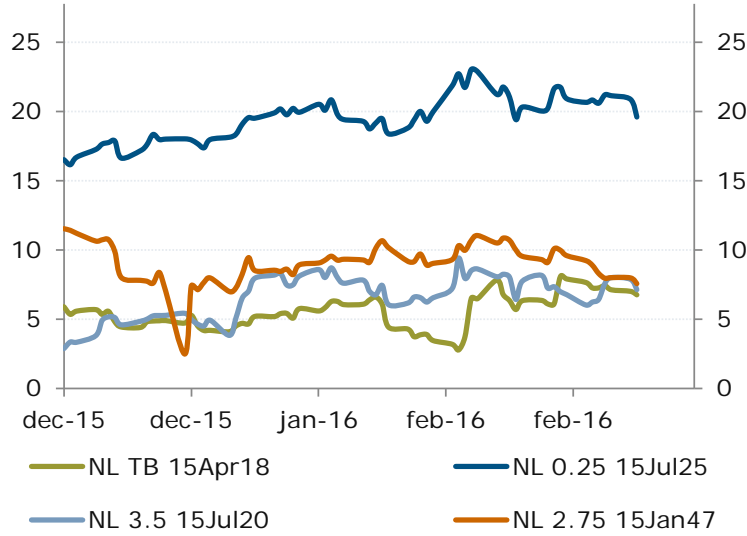
Rating	Aaa/AA+/AAA
Moody's / S&P / Fitch	

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

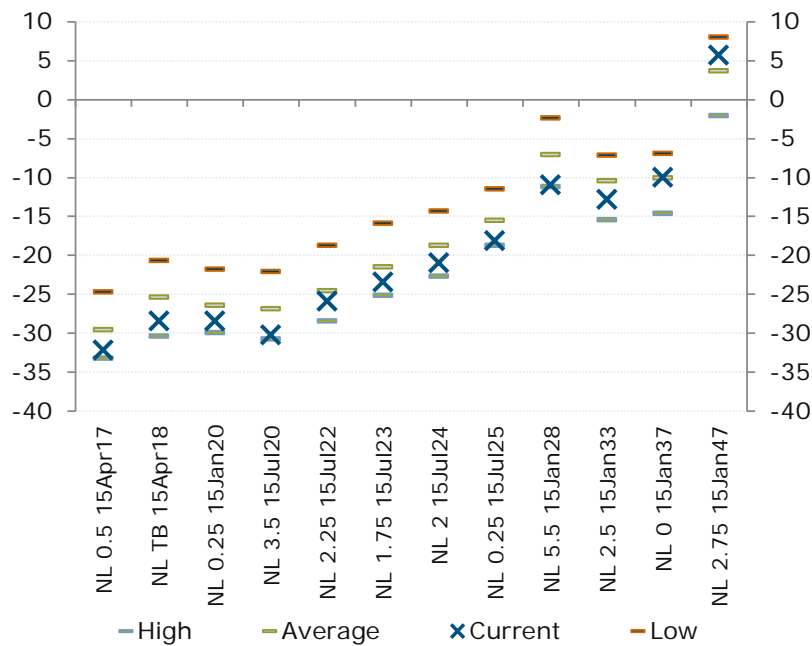
Netherlands

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
0.500	15 apr 17	13.03B	-0.520	-2.2	-0.5	-1.62	5.0	-32.2	-29.6	-1.76
0.000	15 apr 18	15.99B	-0.493	6.8	5.6	1.15	-0.6	-28.5	-25.4	-1.91
0.250	15 jan 20	15.84B	-0.409	9.4	8.0	1.11	31.4	-28.5	-26.5	-1.16
3.500	15 jul 20	15.02B	-0.390	7.1	6.7	0.32	-1.7	-30.3	-26.9	-1.75
2.250	15 jul 22	15.01B	-0.154	13.5	12.0	0.84	-0.7	-26.0	-24.6	-0.78
1.750	15 jul 23	15.63B	-0.012	16.1	15.8	0.15	-0.1	-23.5	-21.5	-1.24
2.000	15 jul 24	15.32B	0.125	16.3	16.1	0.22	0.2	-21.0	-18.8	-1.35
0.250	15 jul 25	15.01B	0.293	19.6	19.7	-0.05	-0.2	-18.2	-15.6	-1.85
5.500	15 jan 28	13.02B	0.480	12.3	11.6	0.25	-0.4	-11.0	-7.1	-2.36
2.500	15 jan 33	12.01B	0.799	8.7	10.0	-0.58	-0.1	-12.9	-10.5	-1.74
0.000	15 jan 37	0.0B	1.018	13.2	15.7	-1.77	-0.1	-10.0	-10.1	0.04
2.750	15 jan 47	10.99B	1.086	7.6	9.1	-1.51	-0.1	5.7	3.6	1.05

Spreads against the German curve, bp



Asset swap term structure, bp



	15	16	17
GDP, %, y/y	1.0	1.1	1.4
Public balance	-3.2	-2.6	-2.4
Debt/GDP	106.4	106.8	106.6

Source: European Commission, Winter 2015 forecast

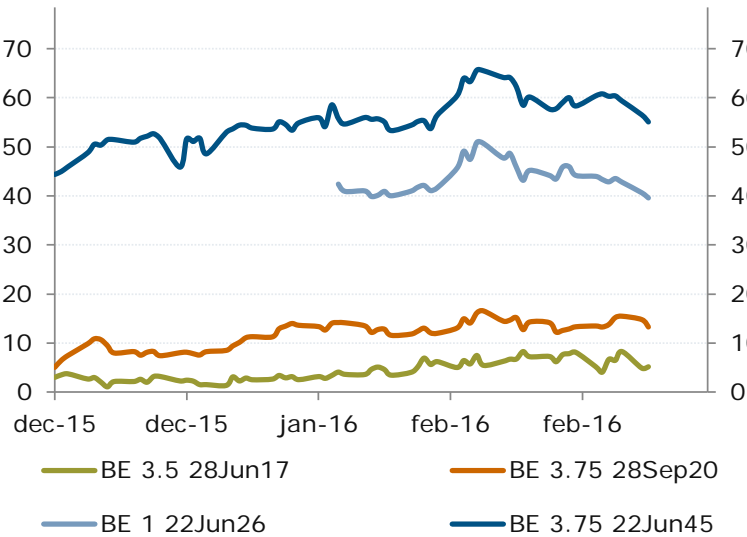
Rating	Aa3/AA/AA
Moody's / S&P / Fitch	

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

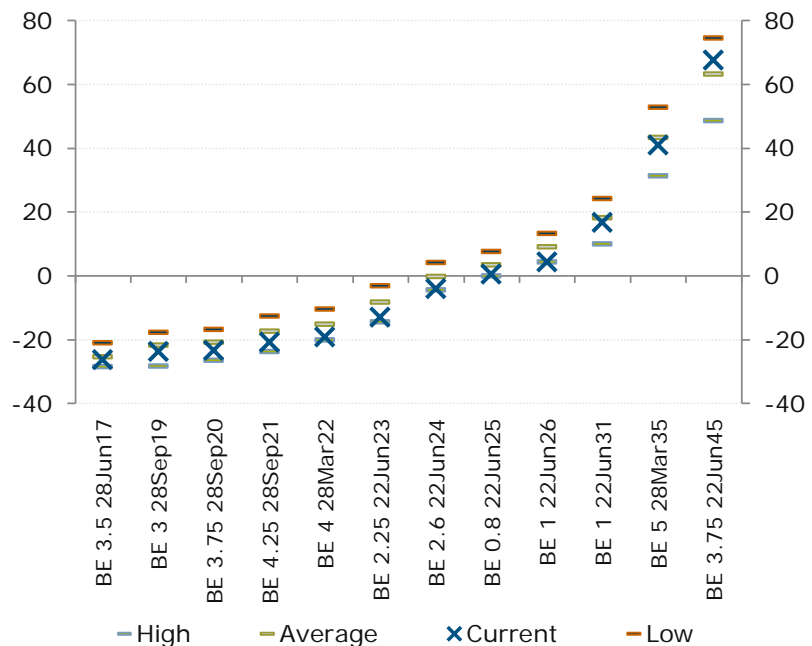
Belgium

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
3.500	28 jun 17	13.34B	-0.461	5.2	4.5	0.40	1.3	-26.2	-25.3	-0.74
3.000	28 sep 19	12.01B	-0.385	13.8	11.8	1.04	-1.0	-23.7	-21.7	-0.97
3.750	28 sep 20	19.01B	-0.309	13.3	12.2	0.55	-1.9	-23.3	-20.8	-1.20
4.250	28 sep 21	15.98B	-0.198	16.2	16.2	0.02	-1.4	-20.8	-17.4	-1.26
4.000	28 mar 22	14.02B	-0.134	18.7	19.1	-0.19	-0.8	-19.2	-15.2	-1.73
2.250	22 jun 23	13.99B	0.075	25.6	27.9	-1.60	-1.0	-12.9	-8.1	-2.24
2.600	22 jun 24	15.85B	0.269	31.6	32.9	-0.52	-0.5	-4.0	-0.2	-1.92
0.800	22 jun 25	16.02B	0.466	37.7	38.2	-0.18	-0.5	0.6	3.4	-1.94
1.000	22 jun 26	6.24B	0.603	39.6	43.7	-1.61	-0.5	4.4	9.1	-3.11
1.000	22 jun 31	4.52B	1.108	49.3	49.7	-0.09	0.4	16.8	18.2	-0.58
5.000	28 mar 35	19.01B	1.205	37.9	40.9	-0.87	0.1	40.9	43.4	-0.63
3.750	22 jun 45	8.01B	1.556	55.1	55.8	-0.21	-0.2	67.6	63.2	0.71

Spreads against the German curve, bp



Asset swap term structure, bp





	15	16	17
GDP, %, y/y	0.0	0.8	1.4
Public balance	-2.7	-2.5	-2.2
Debt/GDP	58.9	61.2	62.6

Source: European Commission, Winter 2015 forecast

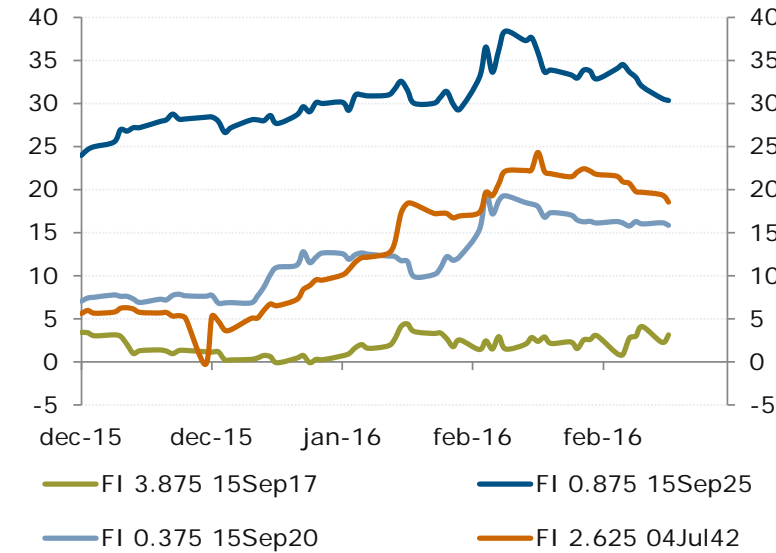
Rating	Aaa/AA+/AAA
Moody's / S&P / Fitch	

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

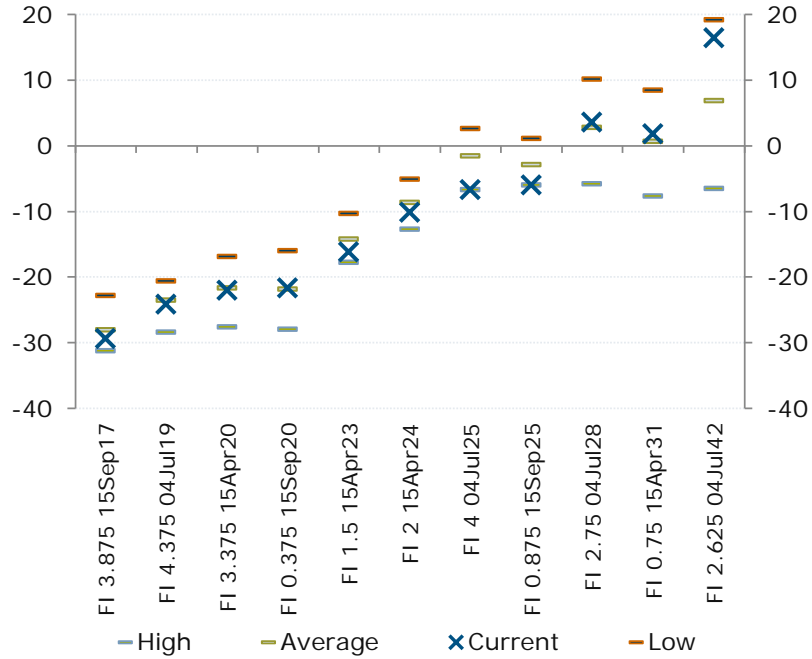
Finland

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
3.875	15 sep 17	6.0B	-0.496	3.2	1.9	1.25	4.3	-29.4	-28.0	-0.72
4.375	04 jul 19	5.0B	-0.404	13.5	9.6	2.07	0.2	-24.1	-23.5	-0.38
3.375	15 apr 20	6.5B	-0.333	15.1	11.9	1.07	-1.1	-22.0	-21.6	-0.16
0.375	15 sep 20	6.03B	-0.287	15.9	12.6	0.99	-0.6	-21.6	-21.8	0.07
1.500	15 apr 23	5.0B	0.032	23.7	23.4	0.11	0.0	-16.2	-14.2	-1.21
2.000	15 apr 24	5.0B	0.199	27.3	26.7	0.19	0.0	-10.2	-8.6	-0.93
4.000	04 jul 25	6.03B	0.326	23.4	24.8	-0.52	-0.7	-6.7	-1.6	-2.66
0.875	15 sep 25	4.03B	0.422	30.4	30.9	-0.20	0.0	-6.0	-2.9	-2.42
2.750	04 jul 28	5.0B	0.711	31.2	27.1	0.65	-0.4	3.6	2.8	0.20
0.750	15 apr 31	3.5B	0.949	34.7	31.8	0.48	-0.5	1.8	0.7	0.27
2.625	04 jul 42	4.03B	1.181	18.6	13.8	0.75	0.2	16.4	6.9	1.31

Spreads against the German curve, bp



Asset swap term structure, bp



	15	16	17
GDP, %, y/y	0.2	0.8	1.5
Public balance	-2.9	-2.0	-1.4
Debt/GDP	86.8	86.4	84.5

Source: European Commission, Winter 2015 forecast

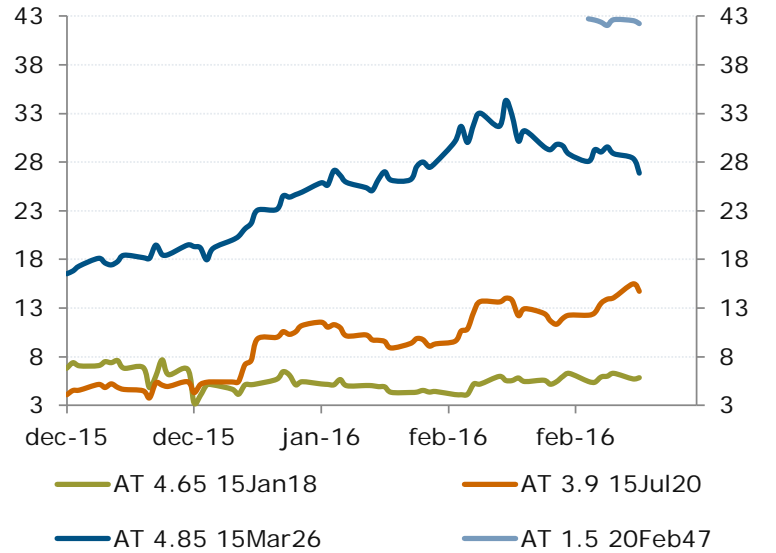
Rating	Aaa/AA+/AA+
Moody's / S&P / Fitch	

Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

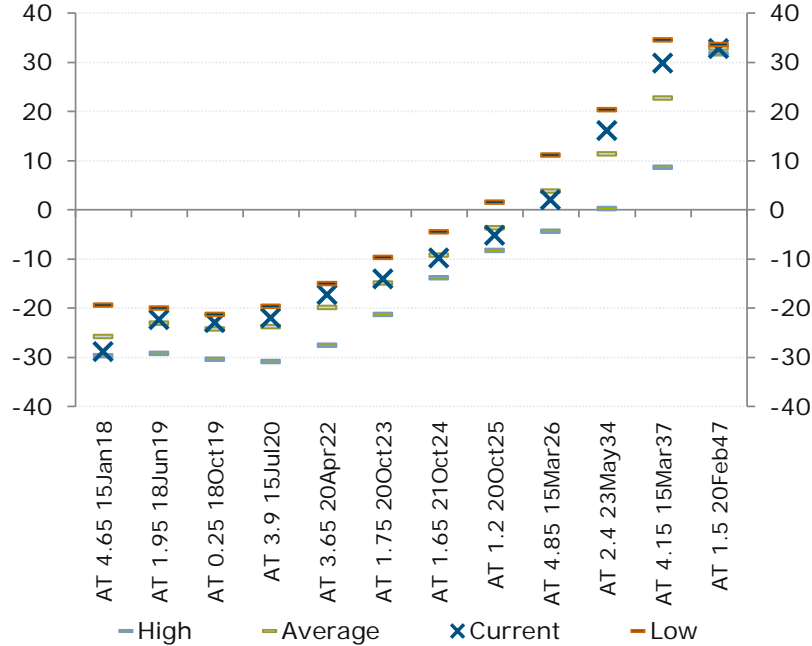
Austria

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
4.650	15 jan 18	12.06B	-0.494	5.7	5.4	0.49	2.1	-28.9	-25.8	-1.43
1.950	18 jun 19	7.21B	-0.387	15.4	10.2	2.20	0.1	-22.3	-23.1	0.41
0.250	18 okt 19	7.95B	-0.370	14.9	9.8	2.01	-1.0	-22.9	-24.3	0.66
3.900	15 jul 20	13.01B	-0.315	14.6	9.6	1.88	-2.6	-22.0	-23.8	0.77
3.650	20 apr 22	8.71B	-0.108	20.7	15.1	1.91	-0.5	-17.2	-19.9	1.05
1.750	20 okt 23	9.99B	0.109	24.7	21.9	0.83	-0.5	-14.0	-14.9	0.42
1.650	21 okt 24	10.35B	0.268	26.9	24.9	0.65	-0.7	-9.8	-9.3	-0.40
1.200	20 okt 25	9.28B	0.431	30.0	28.8	0.39	-0.6	-5.2	-3.7	-0.94
4.850	15 mar 26	8.01B	0.449	26.8	25.4	0.34	-1.0	2.0	3.8	-0.60
2.400	23 maj 34	5.19B	1.112	32.1	28.1	0.77	-0.9	16.0	11.3	1.04
4.150	15 mar 37	12.22B	1.185	29.4	25.9	0.69	-1.5	29.7	22.7	1.17
1.500	20 feb 47	1.5B	1.432	42.1	42.4	-0.94	-3.2	32.7	32.9	-0.42

Spreads against the German curve, bp



Asset swap term structure, bp





Greece

	15	16	17
GDP, %, y/y	1.0	2.5	3.6
Public balance	-2.5	1.1	1.6
Debt/GDP	176.3	170.2	159.2

Source: European Commission, Winter 2015 forecast

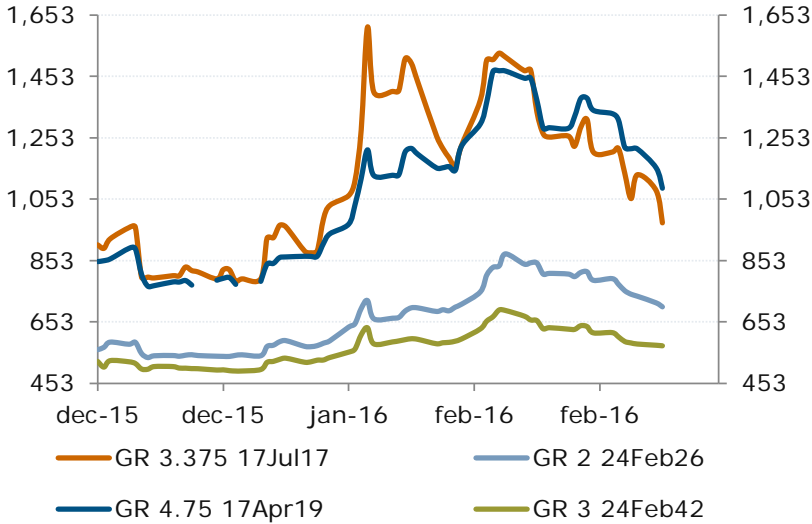
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Moody's / S&P / Fitch

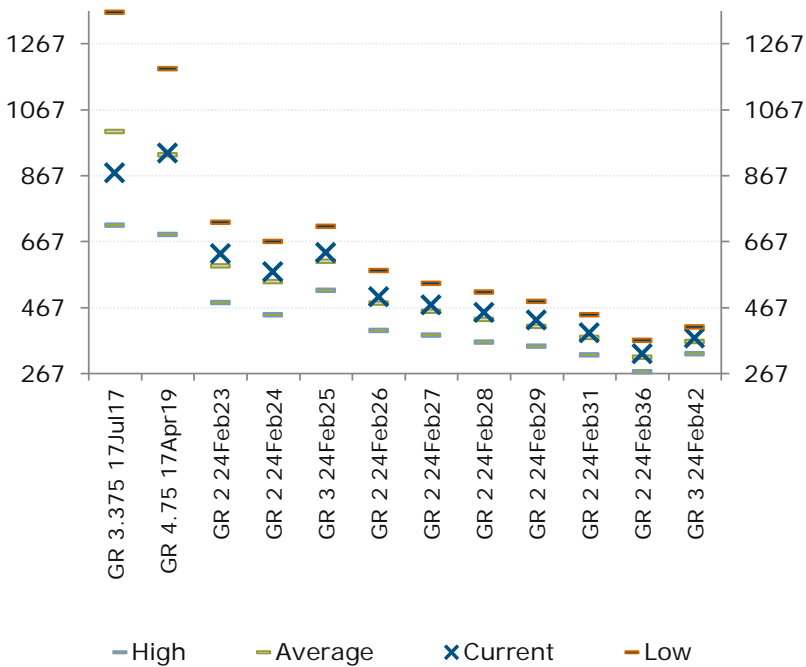
Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
3.375	17 jul 17	2.02B	9.243	975.9	1,139.6	-0.76	-702.9	874.4	1,000.3	-0.73
4.750	17 apr 19	4.02B	10.336	1,088.8	1,093.4	-0.02	-167.5	934.5	930.4	0.03
2.000	24 feb 23	1.04B	8.278	850.0	801.0	0.41	7.2	629.6	592.0	0.52
2.000	24 feb 24	1.25B	7.795	788.8	751.9	0.33	-21.0	575.7	545.9	0.46
3.000	24 feb 25	1.84B	8.778	873.1	840.9	0.30	-33.3	633.5	607.6	0.44
2.000	24 feb 26	1.37B	7.196	702.0	678.9	0.25	-36.1	499.5	479.2	0.38
2.000	24 feb 27	1.21B	7.070	679.8	655.1	0.30	-24.5	474.2	454.3	0.43
2.000	24 feb 28	1.84B	6.944	657.6	631.3	0.32	-27.8	451.2	431.1	0.46
2.000	24 feb 29	1.48B	6.800	634.7	609.2	0.34	-16.6	429.0	410.0	0.48
2.000	24 feb 31	1.29B	6.469	587.5	573.6	0.22	-11.0	389.5	376.0	0.40
2.000	24 feb 36	1.33B	5.893	503.6	499.7	0.08	-9.7	326.4	315.8	0.40
3.000	24 feb 42	1.05B	6.744	575.0	575.8	-0.02	0.0	374.6	363.9	0.46

Spreads against the German curve, bp



Asset swap term structure, bp



Portugal

	15	16	17
GDP, %, y/y	1.0	1.6	1.7
Public balance	-4.6	-3.2	-2.8
Debt/GDP	128.9	124.5	123.5

Source: European Commission, Winter 2015 forecast

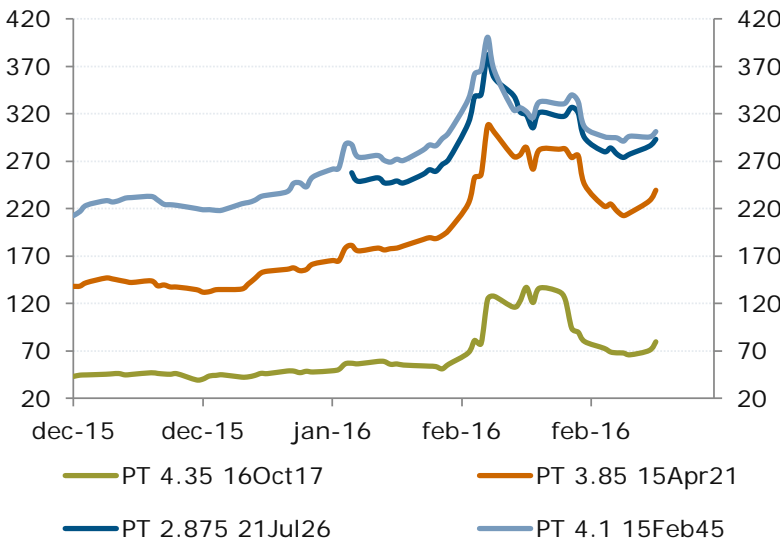
Rating	Ba1/BB/BB+
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Moody's / S&P / Fitch

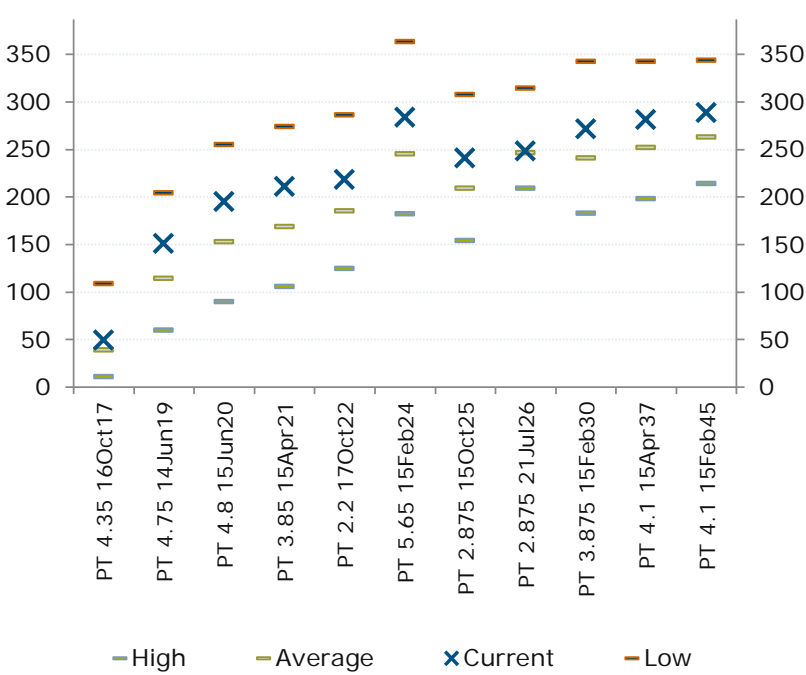
Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
4.350	16 okt 17	8.99B	0.259	79.3	66.2	0.58	27.0	49.6	38.7	0.51
4.750	14 jun 19	10.99B	1.246	178.8	138.9	0.98	3.7	151.1	114.0	0.91
4.800	15 jun 20	10.99B	1.723	219.1	174.8	0.97	-1.7	195.3	152.7	0.95
3.850	15 apr 21	9.55B	1.997	239.1	194.6	0.97	1.0	210.8	168.4	0.96
2.200	17 okt 22	3.0B	2.381	264.2	228.0	0.83	3.0	218.1	185.3	0.85
5.650	15 feb 24	12.02B	2.843	293.9	255.8	0.81	2.8	283.5	245.4	0.85
2.875	15 okt 25	10.52B	2.962	283.3	247.0	0.83	0.9	241.1	209.3	0.86
2.875	21 jul 26	4.0B	3.143	292.8	292.3	0.01	1.4	248.1	246.7	0.06
3.875	15 feb 30	4.05B	3.557	302.8	267.4	0.79	2.6	271.8	241.0	0.83
4.100	15 apr 37	8.02B	3.867	297.2	268.6	0.70	0.1	281.1	252.1	0.83
4.100	15 feb 45	2.5B	4.013	300.9	277.2	0.62	-0.5	288.8	263.2	0.81

Spreads against the German curve, bp



Asset swap term structure, bp





Ireland

	15	16	17
GDP, %, y/y	4.8	3.5	3.6
Public balance	-4.0	-2.9	-3.1
Debt/GDP	110.8	110.3	107.9

Source: European Commission, Winter 2015 forecast

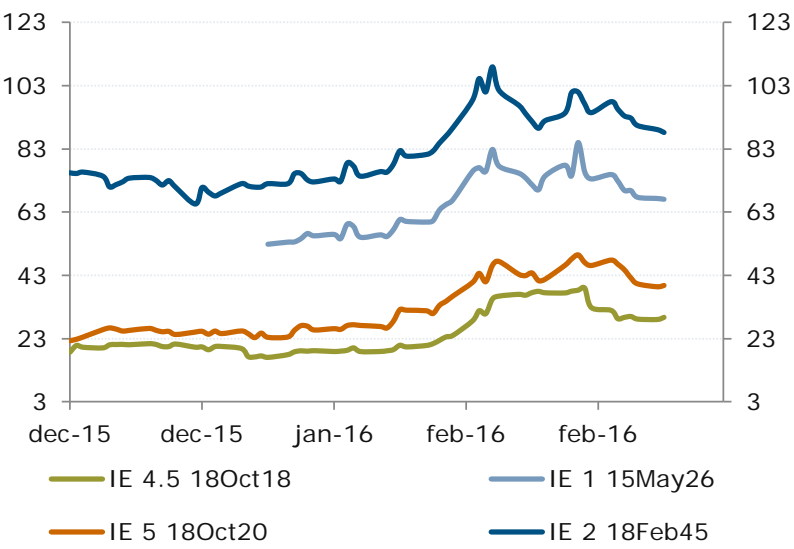
Rating	Baa1/A/A-
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Moody's / S&P / Fitch

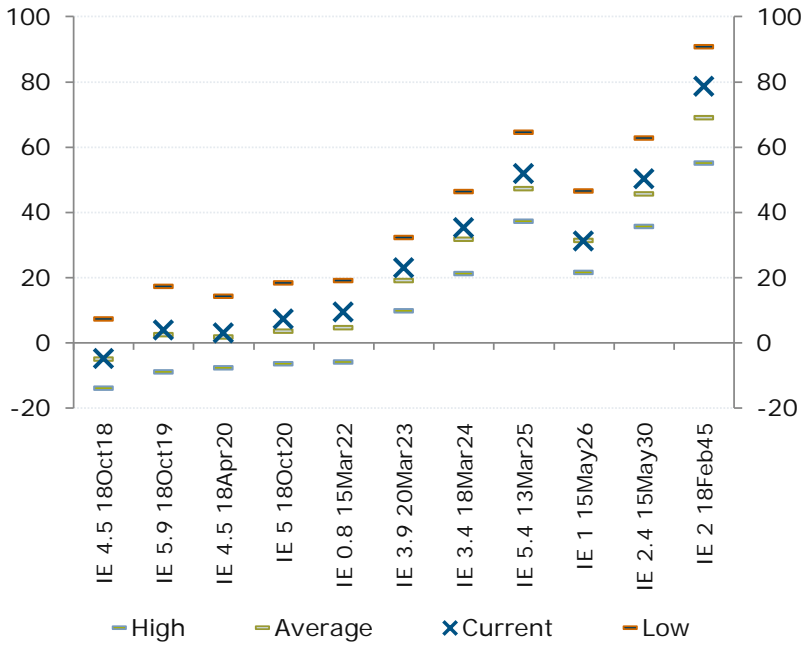
Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
4.500	18 okt 18	9.58B	-0.260	30.0	25.3	0.71	188.6	-5.0	-5.0	0.01
5.900	18 okt 19	6.58B	-0.140	37.9	32.8	0.69	134.8	3.8	2.5	0.18
4.500	18 apr 20	11.77B	-0.108	37.6	32.9	0.66	97.5	2.9	1.8	0.19
5.000	18 okt 20	8.99B	-0.036	40.1	33.5	0.80	47.9	7.2	3.6	0.48
0.800	15 mar 22	4.25B	0.169	49.4	41.9	0.88	-3.5	9.3	4.7	0.67
3.900	20 mar 23	5.95B	0.350	56.5	50.4	0.82	-16.8	23.0	18.9	0.69
3.400	18 mar 24	8.01B	0.586	67.1	61.7	0.64	-23.8	35.3	31.6	0.57
5.400	13 mar 25	11.35B	0.767	71.4	64.5	0.77	-24.7	51.9	47.1	0.61
1.000	15 maj 26	4.0B	0.871	67.3	66.4	0.11	-5.1	31.1	31.4	-0.06
2.400	15 maj 30	7.78B	1.301	75.7	69.3	0.65	-11.6	50.2	45.6	0.57
2.000	18 feb 45	5.95B	1.888	88.4	83.1	0.52	-0.1	78.5	68.9	0.86

Spreads against the German curve, bp



Asset swap term structure, bp



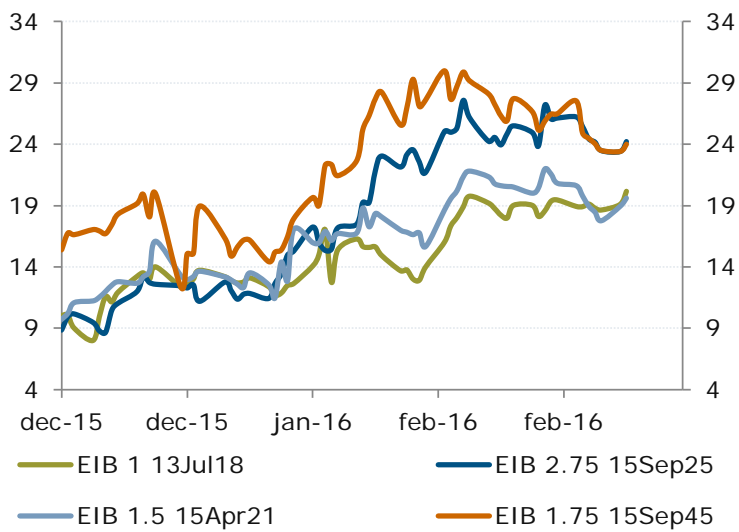


European Investment Bank (EIB)

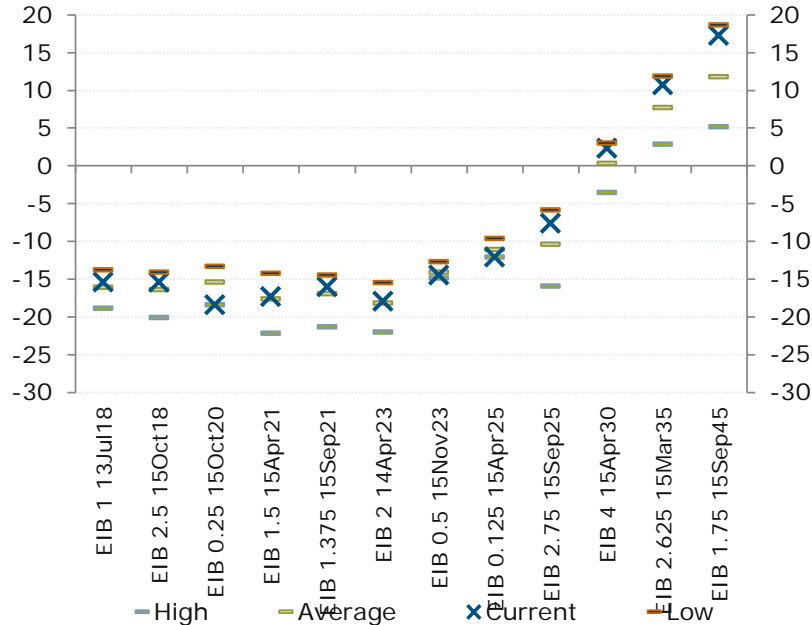
Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
1.000	13 jul 18	5.0B	-0.358	20.3	15.2	1.78	0.9	-15.5	-16.1	0.46
2.500	15 okt 18	5.0B	-0.355	20.5	15.0	2.20	0.9	-15.5	-16.4	0.62
0.250	15 okt 20	4.0B	-0.248	19.0	21.0	-1.40	-4.9	-18.4	-15.4	-2.00
1.500	15 apr 21	5.0B	-0.197	19.7	16.6	1.01	-1.0	-17.4	-17.7	0.16
1.375	15 sep 21	4.35B	-0.141	22.2	18.5	1.18	-1.2	-16.0	-17.0	0.44
2.000	14 apr 23	5.0B	0.008	21.4	18.8	0.71	-1.0	-18.0	-18.2	0.11
0.500	15 nov 23	1.5B	0.131	26.0	26.3	-0.25	0.2	-14.5	-14.1	-0.62
0.125	15 apr 25	3.0B	0.331	26.6	28.0	-1.05	-0.9	-12.1	-11.1	-2.22
2.750	15 sep 25	5.75B	0.362	24.3	18.7	0.97	-1.1	-7.7	-10.4	0.75
4.000	15 apr 30	6.5B	0.769	22.9	18.5	1.05	-0.7	2.3	0.3	0.95
2.625	15 mar 35	1.7B	1.067	24.2	22.3	0.50	-0.6	10.7	7.7	0.93
1.750	15 sep 45	1.3B	1.247	24.1	22.3	0.38	-0.7	17.2	11.8	1.08

Spreads against the German curve, bp



Asset swap term structure, bp

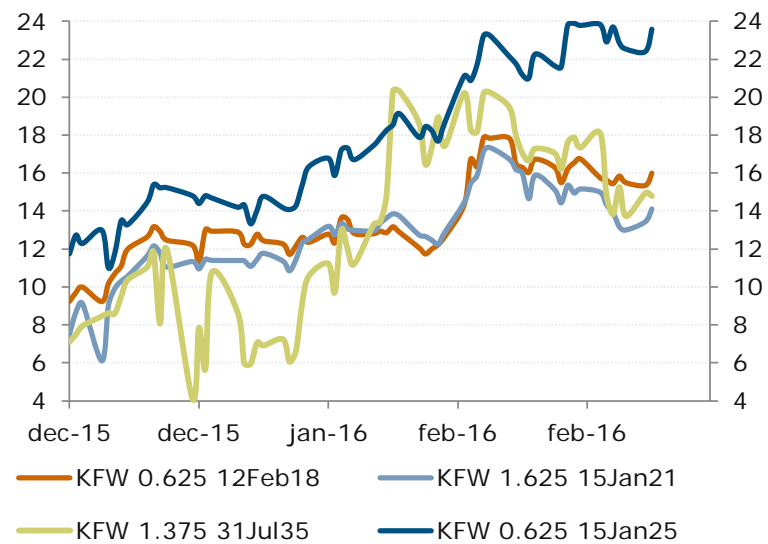


Kreditanstalt für Wiederaufbau (KfW)

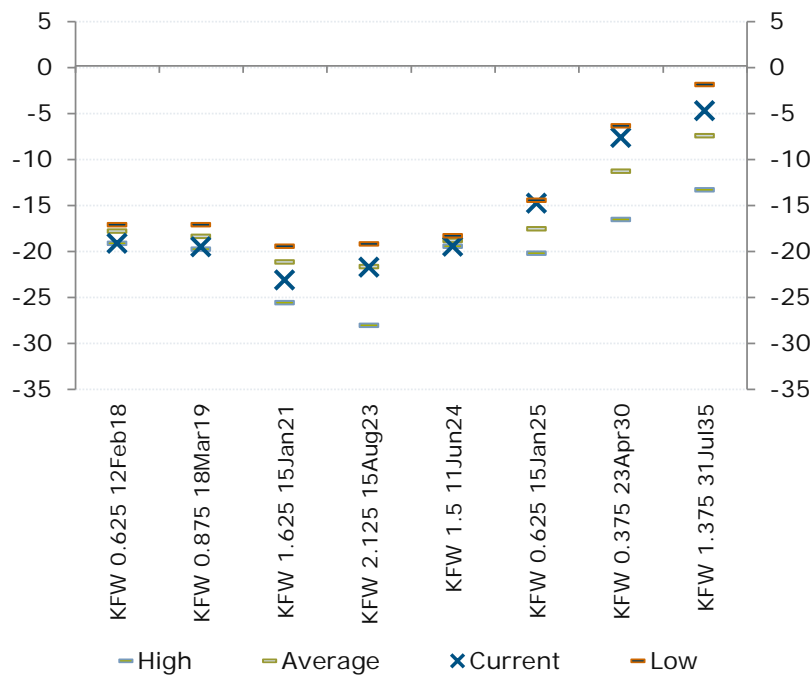
Δ B/E Spd 1Y is calculated as a spread to a synthetically created par bond trading on the German curve.

Benchmark Bonds				Spread vs. Germany				Asset Swap Spread		
Coupon	Maturity	Volume	Yield	08-mar	60D Avg.	Z-score	Δ B/E Spd 1Y	08-mar	60D Avg.	Z-score
0.625	12 feb 18	2.0B	-0.401	15.6	13.2	1.22	-0.1	-19.4	-18.0	-2.78
0.875	18 mar 19	5.0B	-0.375	18.3	14.6	2.97	0.9	-19.8	-18.6	-1.75
1.625	15 jan 21	5.0B	-0.278	13.7	12.5	0.68	-1.3	-23.3	-21.4	-1.78
2.125	15 aug 23	3.0B	0.009	17.0	14.9	0.65	-1.0	-22.0	-21.9	-0.04
1.500	11 jun 24	3.0B	0.133	18.5	19.9	-1.26	-1.0	-19.6	-19.1	-3.02
0.625	15 jan 25	3.0B	0.263	23.2	17.6	1.62	-0.5	-15.0	-17.8	2.29
0.375	23 apr 30	2.0B	0.810	26.9	20.4	1.09	-0.9	-7.8	-11.5	1.05
1.375	31 jul 35	1.0B	0.981	14.4	12.7	0.38	-1.9	-4.9	-7.7	0.75

Spreads against the German curve, bp



Asset swap term structure, bp



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