# **IPE SURVEY** MANAGERS OF GOVERNMENT BONDS

Company	Aberdeen Standard	Achmea Investment	Aegon Asset	Amundi	ASR	AXA Investment	Bantleon	Bar
	Investments	Management	Management		Vermogensbeheer	Managers	Bank	
As at	31/12/18	31/03/19	31/12/18	31/03/19	31/12/18	31/12/18	29/03/19	31/0
Total assets invested in government bond strategies	36,090.86	37,464	75,870	220,139	2,670	9,015	1,837.2	4,0
Total assets invested in government bonds overall	NA	0	75,870	NA	12,327	204,644	2,674.2	16,
Total group assets under management worldwide	562,701.38	137,616		1,476,000	56,224	729,815	5,370	283
Total assets in fixed income worldwide	152,273.83	70,559		668,000	42,139	457,794	4,984.7	210
Assets invested in government bond strategies								
Vehicle type (€m)								
Segregated account mandates	26,681.51	33,444	55,220	176,630		5,788	211.8	3,1
Pooled funds	9,409.35	4,020	20,650	43,509		3,227	1,625.4	83
Client type (€m)								
Europe-based institutional clients	22,932.91	37,464	55,371		2,670	8,077	1,837.2	2
Institutional clients worldwide	31,344.44	37,464	64,356		2,670		1,837.2	3,1
Europe-based pension fund clients	4,115.83	21,710	7,944			1,984		2
Europe-based insurance company clients	15,503.19	14,249	40,548			4,130		(
All other Europe-based institutional clients	3,313.89	0	6.879			1,963		(
Location of issuance (€m)								
Europe	28,249.07	NA					1,825	3!
US	2.557.27	NA					12.2	1,6
Other issues	5.284.52 [1]	NA						2.0
Currency of issue (€m)	-,							-1-
Euro-denominated bonds	5.433.39	37.464			2.670		1.825	
Dollar-denominated bonds	2,557.27	0			0		12.2	1,6
Sterling-denominated bonds	22,815.68	0			0			3
Other-denominated bonds	5.284.52 (1)	0			5			2,0
Amount held within rating (€m)	-,							_,-
AAA-A	NA	30,983			11.549 (5)		1,653.5	3,9
BBB-B	NA	6,331			775		183.7	3
CCC-C	NA	0						-
Unrated	NA	150			3			
Active/passive/unconstrained (€m)								
Passive	0	8,998						
ETFs	0							
Benchmarked active	35,584.72	24,030					1,837.2	4,0
Benchmarked against an enhanced/alternatively-weighted index	0	,					.,	.,-
Managed against a customised benchmark or risk/return target	506.14	4,436						
Unconstrained	0	.,						
Flagship government bond strategy	5							
Information ratio	0.64	0.23 (3)		0.79	0.5-0.75			0.12
Acceptable tracking error	1-2%	0.5% [3]		6%	1%			1.50
Targeted contribution to excess return (%)	1 270	0.070		0,0	170			
Credit analysis	0						30	5
Duration management	30						40	1
Sector rotation	0						30	1
Credit default swaps	0						00	
Currency	10							
Other	60 [2]	(4)			100			
Proportion of government bond research done in-house (%)	70	100	90	75	100	90	100	11
Number of credit analysts working on government bond portfolios	50	7	8	43	7	/0	5	1

Company	BNP Paribas Asset Management	Candriam	Colchester Global Investors	Columbia Threadneedle Inv.	Degroof Petercam Asset Management	DekaBank	DWS
As at	31/12/18	31/03/19	30/04/19	31/03/19	31/12/18	28/12/19	31/12/18
Total assets invested in government bond strategies	27,423.7	7,741.03	23,154.19 (8)	10,108	4,005	NA	24,437
Total assets invested in government bonds overall		15,518.65	23,154.19	ŇA		18,795	88,407
Total group assets under management worldwide	537,405	122,232.83	41,008.25	409,000	31,749	229,700	662,171
Total assets in fixed income worldwide	293.654	39,133.43	41.008.25	151,982		38.406	279.565
Assets invested in government bond strategies	,						,
Vehicle type (€m)							
Segregated account mandates	25,165.79	6,041.35	18.719.58	6,815			10,789
Pooled funds	2.257.91	1.699.68	4,434,6	3,293			13.648
Client type (€m)		.,	.,	-,			
Europe-based institutional clients	9,834.99	6,613.12	2,949.4	6,683	4,005		9,962
Institutional clients worldwide	26,407.82	6.613.12	20,204.8	6,870	4,000		10,789
Europe-based pension fund clients	1,523.21	0,010.12	182.25	1,134			4,896
Europe-based insurance company clients	479.12		49.11	4.543			1,529
All other Europe-based institutional clients	7,832.66		2,718.04	1,006			3,537
Location of issuance (€m)	7,032.00		2,710.04	1,000			3,337
Europe		7,287.66	3,670.58				
US		7,207.00	10,485.93				
Other issues			8,997.68				
Currency of issue (€m)			0,777.00				
Euro-denominated bonds		7,176.5	3,670.58				
Dollar-denominated bonds		7,176.5	10,485.93				
			627.9				
Sterling-denominated bonds							
Other-denominated bonds			8,369.78				
Amount held within rating (€m)		( 015 //	01 000 1				
AAA-A		6,215.46	21,922.1				
BBB-B		1,029.33	1,232.09				
CCC-C							
Unrated							
Active/passive/unconstrained (€m)							
Passive		1,117.46	0				14,472
ETFs		56.28	0			2,061 [5]	8,849
Benchmarked active		6,567.29	23,154.19			16,734	9,965
Benchmarked against an enhanced/alternatively-weighted index			0				
Managed against a customised benchmark or risk/return target			0				
Unconstrained			0				
Flagship government bond strategy							
Information ratio		0.5	0.80	0.65			>0.5
Acceptable tracking error		1%	1.5-4.5%	0.5-3.5%			1.50%
Targeted contribution to excess return (%)							
Credit analysis			0	20			0
Duration management		60	10	20			20
Sector rotation			5	50			0
Credit default swaps			0	0			0
Currency		0	35	10			15
Other		40	50 (9)				65 (10)
Proportion of government bond research done in-house (%)		70	100	80		100	66
Number of credit analysts working on government bond portfolios		15	9	7		45	175 (11)

Barings	BlackRock	BlueBay Asset Management	
31/03/19	29/03/19	31/03/19	
4,008	529,553	5,814	
16,362	762,056	19,190	
283,397	5,802,507	55,421	
210,524	1,807,867	55,421	- •
210,324	1,007,007	33,421	-
3,174	176,002	0	
834	170,002	5,814	
004		0,014	
28	139,732	591	-
3,119	220,184	591	
28	105,120	489	
0	1,287	86	
0	33,325	16	
	00,020	10	-
357	166,803	4,175 [7]	
1,620	323,598	198	
2,032	39,152	1,441	
			— То
	82,873	4,747 [7]	
1,620	323,598	1,067	st
357	81,486	.,	
2,032	41,596		
_,			
3,969	515,200	2,326 [7]	1
39	12,882	3,488	2
	0		3
	1,471		4
	•		5
	305,058	0	6
	102,859	0	7
4,008	26,359	4,740	8
	1,515	1,074	9
	0	0	10
	0	0	11
			12
0.121 (6)		1.7	13
1.50% 6		0-3%	14
			15
50		60	16
10		30	17
40		0	18
0		0	19
0		10	20
			21
100		100	22
19		12	23
			24
			25
			26
			27
urizon Asset	Franklin	Generali	28
anagement	Templeton	Investments	29
31/03/19	31/03/19	31/12/18	
20,097	115,748.2	10,216	
	152,463.3	208,548	
305,210	578,101.6	449,958	33
37,429	231,153.4	365,651	34
			35
4,571	11,147.3	6,605	т.
15,526	104,600.9	3,611	— То
			in

1,811.6 17,025.5

5,593

14,504

6,336 2.842

10,216

2,799 7,417

179

7,889

2,148 1.9 1-3%

### IN SUMMARY

#### Survey overview

Total number of managers in survey	43
Total invested:	€m
In government bond strategies	2,098,605
Through segregated account mandates*	768,100
Through pooled funds*	332,387
For institutional clients worldwide*	632,297
For Europe-based institutional clients*	586,087
For Europe-based pension fund clients*	251,215
For Europe-based insurance company clients*	209,273
For all other europe-based institutional clients*	97,698

\*Where disclosed

# Top managers: Assets in government bond strategies

	Company	€m	As at
1	BlackRock	529,553	29/03/19
2	Vanguard	422,885	31/03/19
3	Amundi	220,139	31/03/19
4	State Street Global Advisors	170,996	31/03/19
5	Franklin Templeton	115,748	31/03/19
6	MEAG	108,016	31/12/18
7	Legal & General Investment Management	77,317	31/12/18
8	Aegon Asset Management	75,870	31/12/18
9	Swiss Life Asset Managers	43,418	31/12/18
10	Achmea Investment Management	37,464	31/03/19
11	Aberdeen Standard Investments	36,091	31/12/18
12	Helaba Invest	29,501	31/12/18
13	BNP Paribas Asset Management	27,424	31/12/18
14	DWS	24,437	31/12/18
15	Colchester Global Investors	23,154	30/04/19
16	Eurizon Asset Management	20,097	31/03/19
17	Insight Investment	18,911	31/03/19
18	DekaBank	18,795	28/12/19
19	Payden & Rygel	13,139	31/03/19
20	Robeco	12,155	31/12/18
21	Generali Investments	10,216	31/12/18
22	Columbia Threadneedle Investments	10,108	31/03/19
23	AXA Investment Managers	9,015	31/12/18
24	Union Investment	7,782	28/02/19
25	Candriam	7,741	31/03/19
26	Ostrum Asset Management	6,751	31/03/19
27	BlueBay Asset Management	5,814	31/03/19
28	Morgan Stanley Investment Management	5,089	31/03/19
29	Universal-Investment	4,400	31/12/18
30	Swisscanto Invest (Zürcher Kantonalbank)	4,390	31/03/19
31	Barings	4,008	31/03/19
32	Degroof Petercam Asset Management	4,005	31/12/18
33	ASR Vermogensbeheer	2,670	31/12/18
34	Kempen Capital Management	2,291	31/12/18
35	Bantleon Bank	1,837	29/03/19

# Top managers: Government bond assets invested for European institutional clients

Company	€m	As at
1 BlackRock	139,732	29/03/19
2 MEAG	98,111	31/12/18
3 Legal & General Investment Management	62,878	31/12/18
4 Aegon Asset Management	55,371	31/12/18
5 Achmea Investment Management	37,464	31/03/19
6 Helaba Invest	29,501	31/12/18
7 Aberdeen Standard Investments	22,933	31/12/18
8 State Street Global Advisors	15,042	31/03/19
9 Vanguard	12,700	31/03/19
10 Generali Investments	10,216	31/12/18
11 DWS	9,962	31/12/18
12 BNP Paribas Asset Management	9,835	31/12/18
13 Insight Investment	9,160	31/03/19
14 AXA Investment Managers	8,077	31/12/18
15 Robeco	7,157	31/12/18
16 Ostrum Asset Management	6,718	31/03/19
17 Columbia Threadneedle Investments	6,683	31/03/19
18 Candriam	6,613	31/03/19
19 Union Investment	5,679	28/02/19
20 Eurizon Asset Management	5,256	31/03/19
21 Universal-Investment	4,400	31/12/18
22 Swisscanto Invest (Zürcher Kantonalbank)	4,170	31/03/19
23 Degroof Petercam Asset Management	4,005	31/12/18
24 Colchester Global Investors	2,949	30/04/19
25 ASR Vermogensbeheer	2,670	31/12/18
26 Kempen Capital Management	2,180	31/12/18
27 Bantleon Bank	1,837	29/03/19
28 Franklin Templeton	1,812	31/03/19
29 Payden & Rygel	936	31/03/19
30 BlueBay Asset Management	591	31/03/19
31 Macquarie Investment Management	411	31/03/19
32 Mondrian Investment Partners	357	31/03/19
33 Olz	293	31/03/19
34 Morgan Stanley Investment Management	211	31/03/19
35 OFI Asset Management	148	29/03/19

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Company	Helaba Invest	Insight Investment	Kempen Capital Management	La Française Asset Management	Legal & General Investment Mngt.	Macquarie Investment Management	MEAG	Mondrian Investment Partners	Morgan Stanley Investment Management	OFI Asset Management	Olz
As at	31/12/18	31/03/19	31/12/18	31/12/18	31/12/18	31/03/19	31/12/18	31/03/19	31/03/19	29/03/19	31/03/19
Total assets invested in government bond strategies	29,500.5	18.911	2,291	1,250	77,317	887.22	108,016	1,830	5,088.54	148	367
otal assets invested in government bonds overall	29,500.5	67,877.1	15,393	3,705	212,112	18,678.83	108,016		17,390.25	9,584	367
fotal group assets under management worldwide	61,191.35	751,612.7	58,929	65,755	1,131,342	334,777.65	254,308	45,576	427,500.11	71,090	2,791
otal assets in fixed income worldwide	38,253.4	318,931.7	30.438	8,552	425,517	132,432.24	183,013	3,057	69,721.27 [19]	47.461	496
Assets invested in government bond strategies						,			,		
/ehicle type (€m)											
egregated account mandates	29,200.5	14,586.1	2,161	796	24,490	444.15	92,442	1,385	4,482.22	0	0
Pooled funds	300	4.324.9	130	454	52,827	443.08	15,574	446	606.32	148	293 [20]
lient type (€m)		.,==			,						
urope-based institutional clients	29,500.5	9,160.3	2,180		62,878	411.15	98,111	357	211.35	148	293
nstitutional clients worldwide	29,500.5	18,736.5	2,180		74.325	514.15	,,,,,,,	1,830	4.741.7	140	293
urope-based pension fund clients	9,735.16	2,980.6	1.914		54,873	29	2,676 [17]	276	-,,,	0	270
urope-based insurance company clients	8,260.14	1.169.8	182		2.466	75	105.340	0		148	
ll other Europe-based institutional clients	11,505.2	5,009.9	84		5,539	15	0	82	211.35	140 N	
ocation of issuance (€m)	11,000.2	0,007.7	04		0,007		U	02	211.30	U	
		9.043.3	2.291	1.242		307	98.111	614	1.185	148	186
urope S		9,043.3	2,271	8		574.62	7,374	717	3.053.02	148	44
				8						0	
ther issues		1,460.3				5.6	2,531	500	850.51	U	136
urrency of issue (€m)							(				
uro-denominated bonds		5,520.1	2,291	1,243		303	68,677	560	230.86	148	54
ollar-denominated bonds		8,378		7		572.62	18,161	690	3,548.74	0	44
terling-denominated bonds		3,157.3				5	3,189	41	44.64	0	47
ther-denominated bonds		1,855.6				6.6	17,989	540	1,264.29		222
mount held within rating (€m)											
AA-A		16,778.3	2,291	882		769.22		1,625	4,385.05	103	367
BB-B		1,669.3		308		118		205	609.7	45	0
CC-C								0		0	0
nrated		463.4		60				0	93.78		0
ctive/passive/unconstrained (€m)											
assive					66,345	40		0		0	0
TFs					0			0		0	0
enchmarked active			2,291	1,250	4,049	847.22		1,830	5,088.54	148	367
enchmarked against an enhanced/alternatively-weighted index					3,432			0		0	0
lanaged against a customised benchmark or risk/return target					3,491			0		0	0
nconstrained					0			0			0
lagship government bond strategy											
formation ratio		0.70 [14]	0.05		NA	1.27 [14]	2.62	0.5	0.47	-1.09	0.08
cceptable tracking error		<3%	1.05%		0-1.5%	0.58% [14]	NA	1-3%	0.87%	0.71%	3%
argeted contribution to excess return (%)											270
redit analysis		15	25	20	4		15	20	0		
uration management		60	50	40	24	25	30	0	40		
ector rotation			55	5	0	20	40	0	0		
redit default swaps		10		5	0		0	0	0		
urrency		15		5	0		15	40	25		
ther		15	25	25	72 (15)	75 [16]	15	40 (18)	35	100	
	00	100	100	100	100	90		90-95	80	100	
roportion of government bond research done in-house (%)	90	100	100	9			20	90-95	80	100	
Number of credit analysts working on government bond portfolios	8	5	3	9	17	24	20	8	9	1	

Company	Ostrum Asset Management	Payden & Rygel	PineBridge Investments	Putnam Investments	Robeco	State Street Global Advisors	Swisscanto Invest (Zürcher Kantonalbank)	Swiss Life Asset Managers	Union Investment	Universal- Investment	Vanguard	Wellington Management (
As at	31/03/19	31/03/19	31/12/18	31/03/19	31/12/18	31/03/19	31/03/19	31/12/18	28/02/19	31/12/18	31/03/19	31/03/19
Total assets invested in government bond strategies	6,751	13,139	764.6	520	12,155	170,996	4,390	43,418	7,782	4,400	422,885	407
Fotal assets invested in government bonds overall	98,029	38,360	764.6	3,028	14,905	216,616	NA	44,749	73,976	4,400		
Fotal group assets under management worldwide	265,584	101,705	78,216.8	151,915	161,886	2,498,440	143,603	206,697	336,785	36,010	4,818,387	955,116.5
Total assets in fixed income worldwide	232,132	99,424	50,473.6	· · · · · ·	38,844		50,549	107,482	163,289	6,900		373,449.3
Assets invested in government bond strategies												
Vehicle type (€m)												
Segregated account mandates	1,420	12,745	762.8		6,262		105		5,066	4,400		347
Pooled funds	5,331	394	1.8		5,893		4,285		2,716	0		60
Client type (€m)												
Europe-based institutional clients	6,718	936	0	0	7,157	15,042	4,170		5,679	4,400	12,700	
Institutional clients worldwide		13,139	226.6		7,207		4,170		5,679	4,400		407
Europe-based pension fund clients	1,702	221	0	0	6,533	9,708	· · · · ·		143	3,000	3,573	
Europe-based insurance company clients	1,548	79	0	0	128				336	50		
All other Europe-based institutional clients	2,928	636	0	0	496				5,200	1,350		407 (25)
Location of issuance (€m)	· · · · · · · · · · · · · · · · · · ·											
Europe	5,234	1,046	203.4		10,457		1,955		6,771	3,400		
US	1,169	11,866	350.7		536		1,105		553	200		72
Other issues	348	227	210.5		1,162		1,330		458	800		335
Currency of issue (€m)												
Euro-denominated bonds	4.885	366	156.2		10,582				7,296	3,400		
Dollar-denominated bonds	1,190	11,886	509		548				302	200		
Sterling-denominated bonds	287	566	31.5		137				95	0		
Other-denominated bonds	389	322	67.9		888				89	800		
Amount held within rating (€m)												
AAA-A	5,315	13,095	662.1		11,249				6,093	2,900		
BBB-B	1.284	44	87		488				1.675	700		
CCC-C	0	0	0						0			
Unrated	152	0	2		44				14	800		
Active/passive/unconstrained (€m)												
Passive		6,968	0				3,833			4,400		
ETFs		0	0				0			0		
Benchmarked active	3.274	2.096	764.6		12,155		557		7,782	0		
Benchmarked against an enhanced/alternatively-weighted index	4	0	0		,		0		.,	0		
Managed against a customised benchmark or risk/return target	3,315	4,074	0				0			0		
Unconstrained	155	0	0				0			0		
Flagship government bond strategy												
Information ratio	0.27 [21]	0.35+	0.5		-0.81 [14]		0.4		0.69 (3)			
Acceptable tracking error	Max. 2.5% [14]	50-150bps	100bps		3.50%		2%		2.50%			
Targeted contribution to excess return (%)												
Credit analysis		20	50				10		10	0		
Duration management	30	25	20		30		50		40	100		
Sector rotation	40	20	0				0		10	0		
Credit default swaps		0	0				0		5	0		
Currency		25	30				0		25	0		
Other	30 [26]	10			70 [22]		40 [23]		10 (24)			
Proportion of government bond research done in-house (%)	95	80	80		100		100		90-100	100		100
Number of credit analysts working on government bond portfolios	4	NA	9		46				26			

#### **Key:** NA= Not available

#### Footnotes:

(1) Global Bond strategies(2) Country selection, 30%; curve, 30%

(3) 5-year

(4) Duration positioning, 35%; curve positioning, 20%; country positioning, 35%; other (relative value/security selection), 10%
(5) Breakdown relates to total assets invested in government bonds

overall (6) 7-year

(7) Breakdown does not include cash or derivatives

(3) Includes developed market government bonds only
(9) Country selection
(10) Country allocation, 20%; yield curve positioning, 15%; issuer selection, 10%; off-benchmark selection, 20%
(11) Global fixed income platform
(12) Belate to a service laboration

(12) Relates to country allocation(13) Yield curve

[14] 3-year
[15] Curve, 12%; country, 24%; peripheral, 10%; stock selection, 6%; inflation/breakdowns, 20%

(16) Curve positioning, 25%; sector allocation, 25%; security selection, 25%

(17) Breakdown relates to total assets invested in government bond

strategies (18) Market

(19) Excludes money market

(20) Relates to Europe-based institutional clients

(21) 10-year

(22) Country allocation, 30%; yield curve positioning, 15%; relative value, 25%

(23) Yield curve positioning, 30%; country selection, 10%

(24) Curve strategies(25) Relates to institutional clients worldwide

(26) Yield curve structure, 15%; security selection, 15%