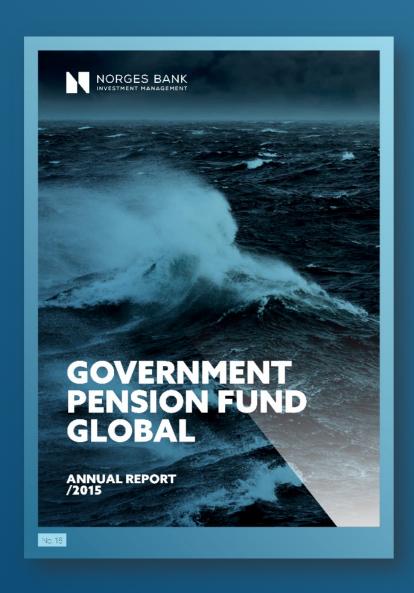


Three specialist reports

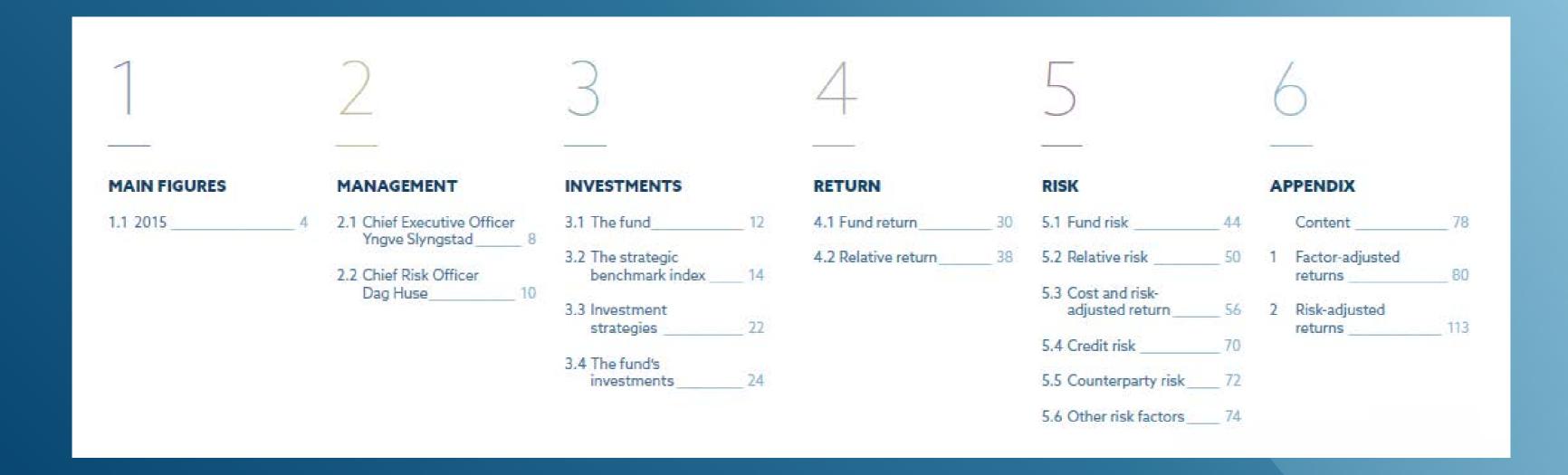








Performance and Risk Report



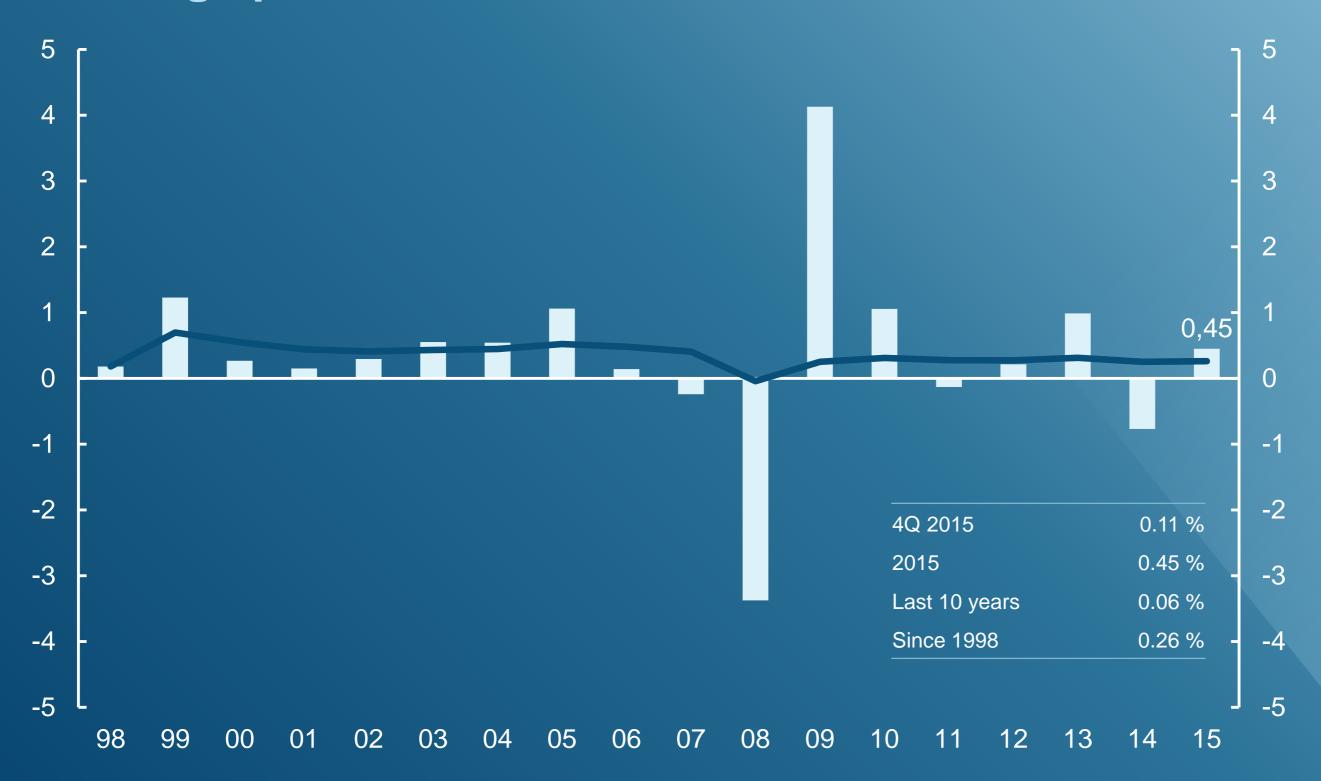
Historical key figures

Measured in the fund's currency basket. Percent

	2015	Last ten years	Since 1.1.1998
Gross annual return	2.74	5.34	5.64
Annual inflation	0.86	1.84	1.78
Annual management costs	0.06	0.09	0.09
Annual net real return	1.80	3.35	3.70
Annual excess return	0.45	0.06	0.26

Relative return

Percentage points



Annual relative return

Accumulated annualised relative return

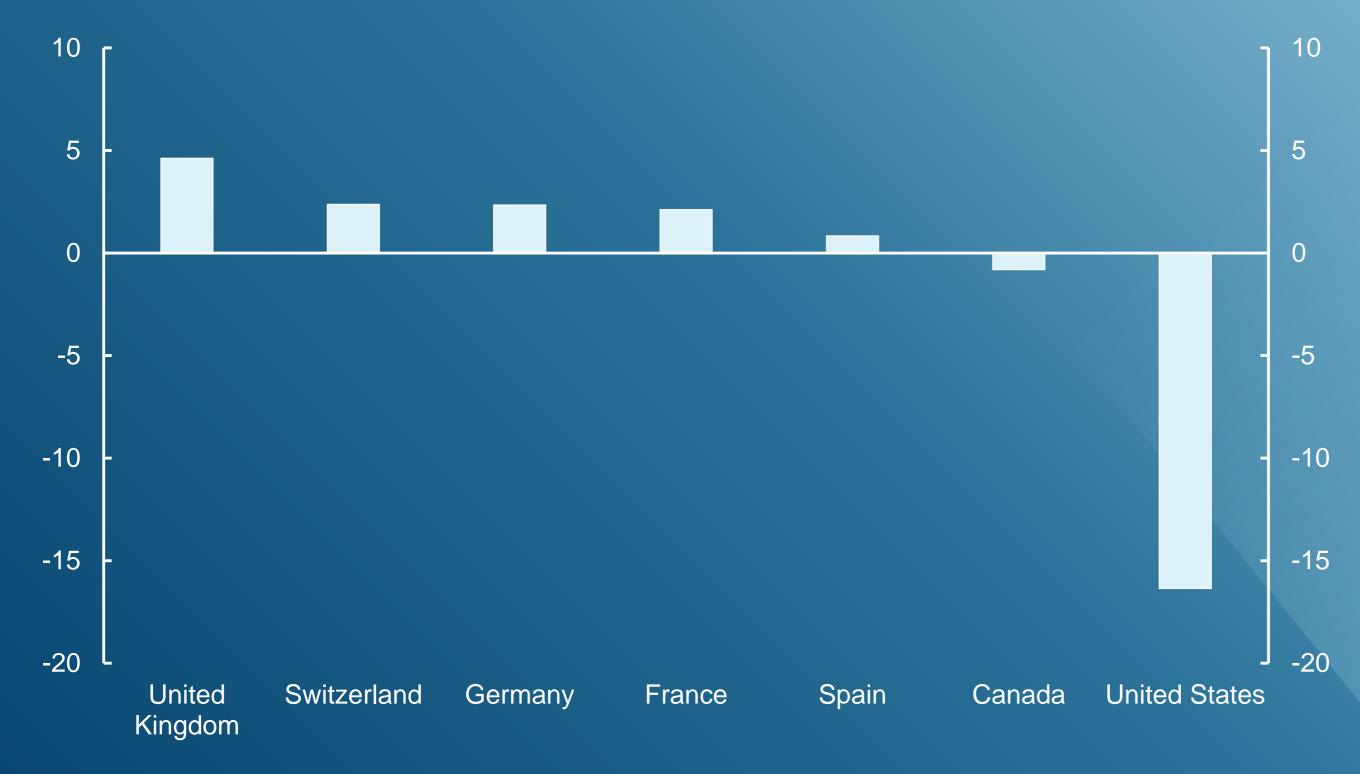
Source: Norges Bank Investment Management

Management of the fund



The fund's equity benchmark versus the FTSE Global All Cap Index by country

31 December 2015. Deviation in percent



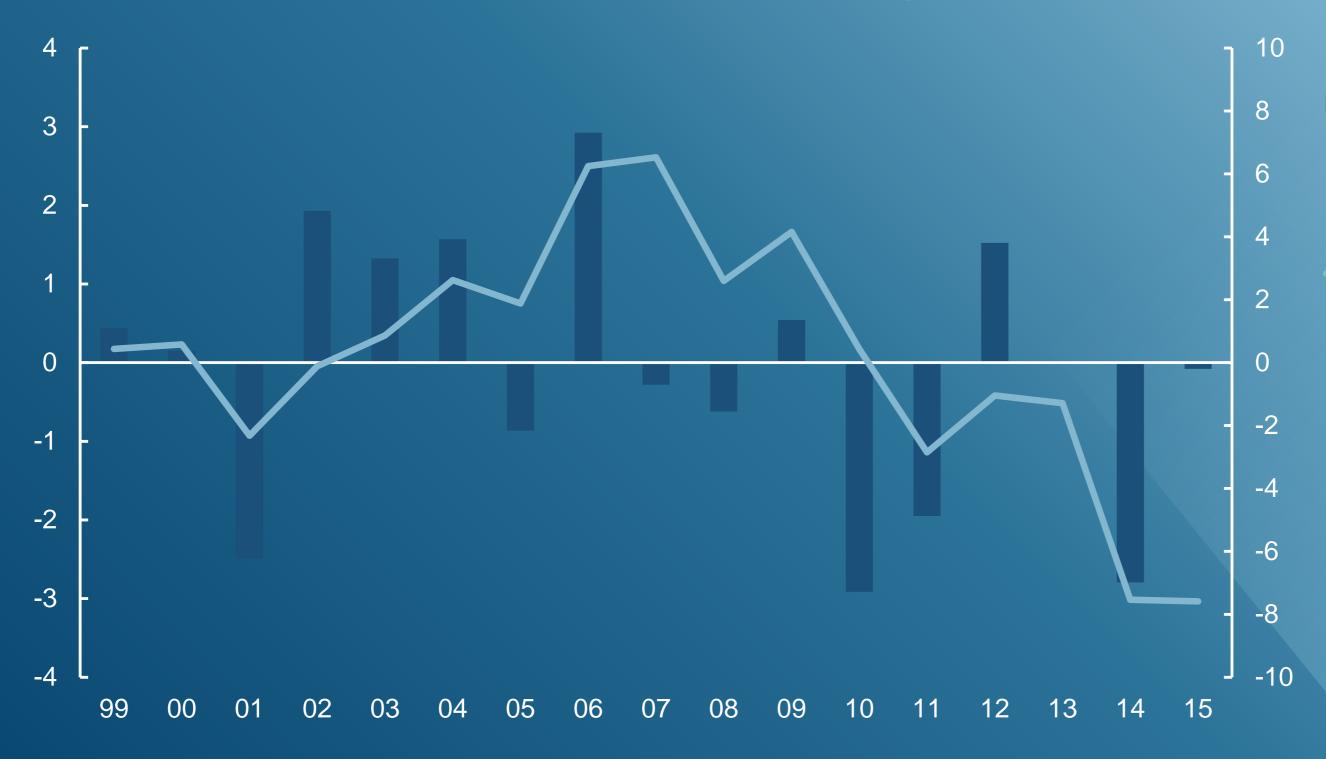
The fund's fixed-income benchmark versus the Barclays Global Aggregate Index by currency 31 December 2015. Deviation in percent

0 -2 -2 -4 -6 -6 -8 -8 -10 Australian dollar United States dollar Euro Mexican peso Japanese yen



Return difference between the fund's equity benchmark and the FTSE Global All Cap Index

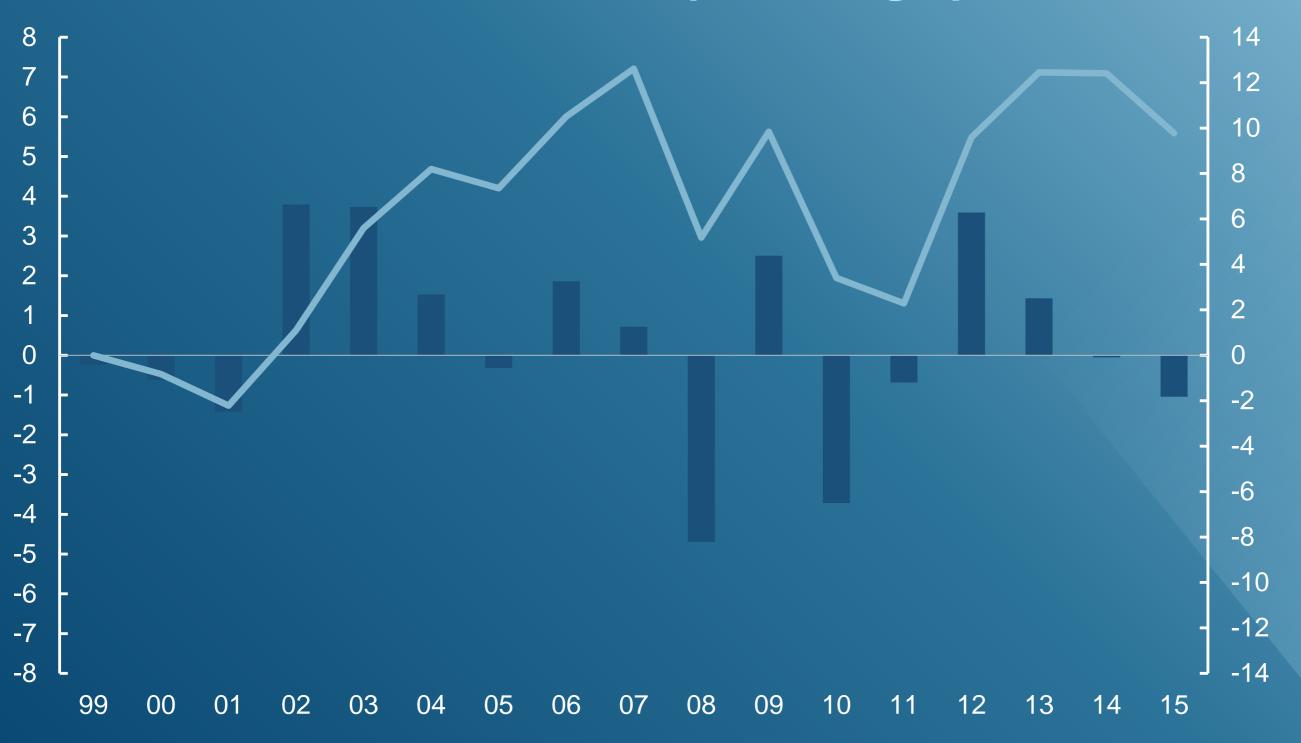
Measured in dollar. Deviation in percentage points



- Annual return difference for equity benchmark vs FTSE (left-hand axis)
- Accumulated return difference for equity benchmark vs FTSE (right-hand axis)

Return difference between the fund's fixed-income benchmark and the Barclays Global Aggregate Index

Measured in dollar. Deviation in percentage points



- Annual return difference for fixed-income benchmark vs Barclays Global Aggregate Index (left-hand axis)
- Accumulated return
 difference for fixed-income
 benchmark vs Barclays
 Global Aggregate Index
 (right-hand axis)

Cumulative equity return contribution from company exclusions By sector

	2006-2015	31.12.2015		
Sector	Return Contribution Percentage points	Excluded market value Percent	Excluded market value Millions of kroner	
Tobacco	-0.68	1.35	61,809	
Aerospace & defence	-0.36	0.75	34,298	
Other	-0.14	0.69	31,340	
Total	-1.17	2.79	127,447	

Investment strategies

Seeks to capitalise on the fund's defining characteristics

Fund Allocation Aims to improve the fund's exposure to broad markets and sources of return

Security Selection Seeks to generate excess returns making investments based on thorough understanding of individual companies

Asset Management Implements the targeted market exposure, balancing transaction costs, risk and return considerations

Contributions to relative return

2015. Percentage points

Strategy	Equity	Fixed income	Cross asset allocation	Total
Fund allocation	0.15	-0.16	0.04	0.02
Internal reference portfolio	0.05	-0.17	0.00	-0.12
of which systematic factors	-0.12			-0.12
of which universe expansion	0.05	-0.18		-0.13
Allocation decisions	0.10	0.01	0.04	0.15
Security selection	0.21	0.03		0.24
Internal security selection	0.13	0.03		0.16
External security selection	0.08			0.08
Asset management	0.17	0.03	-0.01	0.18
Asset positioning	0.12	0.03	-0.01	0.14
Securities lending	0.05	0.00		0.05
Total	0.52	-0.10	0.02	0.45

Source: Norges Bank Investment Management

Management costs per investment strategy 2015. Basis points

Strategy	Contribution to the fund's management costs	Management costs based on assets under management
Fund allocation	0.4	
Asset management	2.2	2.7
Security selection	2.6	16.4
Internal security selection	0.8	7.0
External security selection ¹	1.8	43.2
Real estate	0.5	18.5
Total	5.7	

¹ Includes all externally managed capital

The fund's relative return

After management costs. Annualised. Basis points

	3-years	5-years	01.01.1998
The fund's relative return before management costs	21	14	26
The fund's management costs excluding real estate	-6	-6	-9
The fund's relative return after management costs	15	7	18

Estimated relative return of passive strategy Annualised. Basis points

	3-years	5-years	01.01.1998
Management costs of a passive strategy	-3	-3	-5
Revenues from securities lending	5	6	6
Transaction costs related to replication of the benchmark index	-3	-4	-4
Transaction costs related to inflows and extraordinary benchmark changes	-2	-4	-6
Estimated relative return of a passive strategy	-3	-6	-10

Cost-adjusted relative return comparison Annualised. Basis points

	3-years	5-years	01.01.1998
The fund's relative return after management costs	15	7	18
Estimated relative return of a passive strategy	-3	-6	-10
Estimated relative return difference	19	13	27

Expected relative volatility by strategy

31 December 2015. Percentage points

Strategy	Equity	Fixed income	Cross asset allocation	Total
Fund allocation	0.15	0.20	0.06	0.22
Internal reference portfolio	0.16	0.11	0.00	0.19
of which systematic factors	0.07			0.07
of which universe expansion	0.12	0.12		0.16
Allocation decisions	0.07	0.14	0.06	0.13
Security selection	0.15	0.02		0.14
Internal security selection	0.15	0.02		0.14
External security selection	0.05			0.05
Asset management	0.06	0.03	0.01	0.07
Asset positioning	0.06	0.03	0.01	0.07
Total	0.23	0.19	0.05	0.28

Expected relative volatility and shortfall

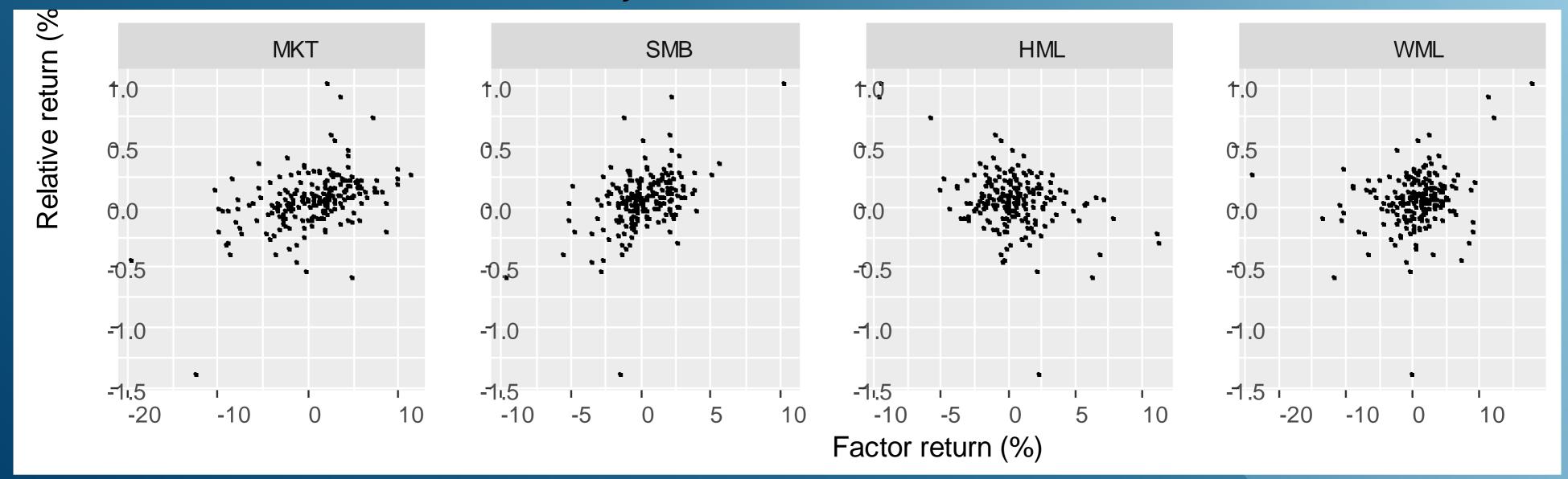
31 December 2015. Percentage points

Strategy	Expected relative volatility 3 years price history	Expected relative volatility 10 years price history	Expected shortfall 10 years price history
Fund allocation	0.22	0.26	0.74
Internal reference portfolio	0.19	0.20	0.51
of which systematic factors	0.07	0.07	0.20
of which universe expansion	0.16	0.16	0.50
Allocation decisions	0.13	0.17	0.45
Security selection	0.14	0.24	0.73
Internal security selection	0.14	0.24	0.75
External security selection	0.05	0.05	0.14
Asset management	0.07	0.09	0.29
Asset positioning	0.07	0.09	0.29
Total	0.28	0.37	0.95

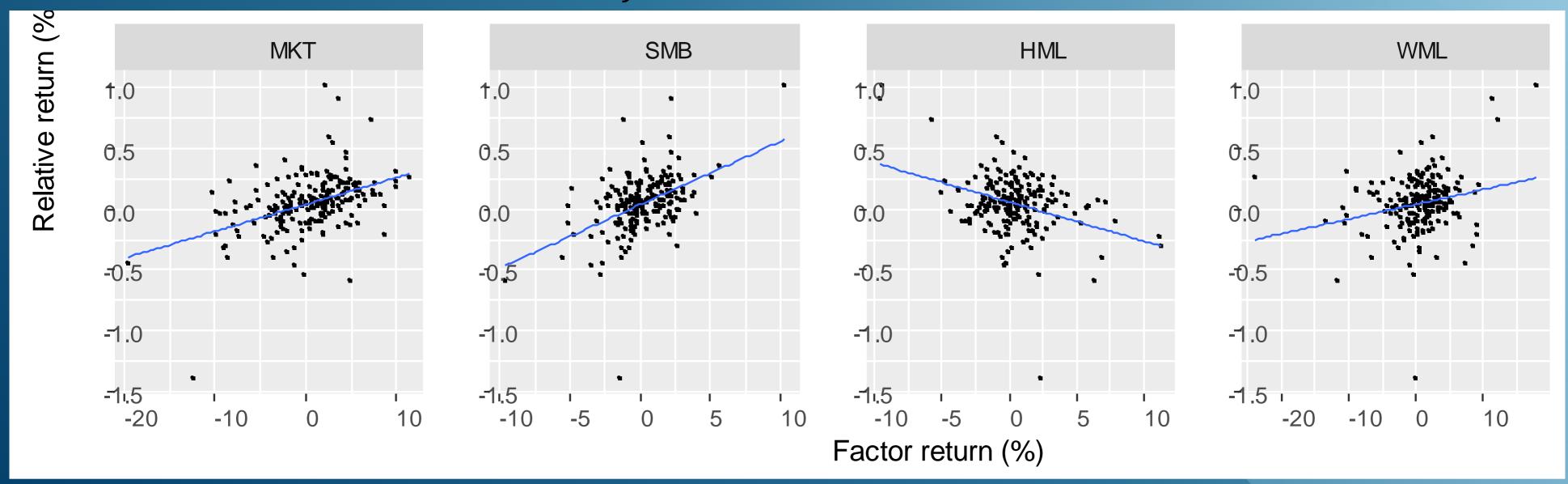
$$r - r_b \approx \beta_1 (MKT - r_f) + \beta_2 SMB - \beta_3 HML + \beta_4 WML + \alpha$$

$$r - r_b \approx \frac{?}{\beta_1}(MKT - r_f) + \frac{?}{\beta_2}SMB - \frac{?}{\beta_3}HML + \frac{?}{\beta_4}WML + \frac{?}{\alpha}$$

$$r - r_b \approx \frac{?}{\dot{\beta}_1}(MKT - r_f) + \frac{?}{\dot{\beta}_2}SMB - \frac{?}{\dot{\beta}_3}HML + \frac{?}{\dot{\beta}_4}WML + \frac{?}{\dot{\alpha}}$$



$$r - r_b \approx \frac{?}{\dot{\beta}_1}(MKT - r_f) + \frac{?}{\dot{\beta}_2}SMB - \frac{?}{\dot{\beta}_3}HML + \frac{?}{\dot{\beta}_4}WML + \frac{?}{\dot{\alpha}}$$



Risk-adjusted measures

Equity investments. Annualised

	Since 01.01.1999		Last 10 years		Last 5 years	
	Before costs	After costs	Before costs	After costs	Before costs	After costs
Sharpe ratio equity investments	0.30	0.29	0.36	0.35	0.78	0.77
Sharpe ratio equity benchmark index	0.26	0.26	0.35	0.35	0.78	0.78
Sharpe ratio difference equity investments versus benchmark index	0.03	0.02	0.01	0.00	0.00	0.00
Information ratio equity investments	0.67	0.50	0.36	0.21	0.49	0.32
Jensen's alpha equity investments (percent)	0.46	0.32	0.14	0.02	0.06	-0.02
Appraisal ratio equity investments	0.62	0.43	0.21	0.03	0.14	-0.06

Risk-adjusted measures

Fixed income investments. Annualised

	Since 01.01.1999		Last 10 years		Last 5 years	
	Before costs	After costs	Before costs	After costs	Before costs	After costs
Sharpe ratio fixed-income investments	0.82	0.81	0.85	0.84	1.59	1.57
Sharpe ratio fixed-income benchmark index	0.82	0.82	0.91	0.91	1.49	1.49
Sharpe ratio difference fixed-income investments versus benchmark index	0.00	-0.01	-0.06	-0.07	0.10	0.08
Information ratio fixed-income investments	0.13	0.08	0.03	0.00	-0.19	-0.27
Jensen's alpha fixed-income investments (percent)	0.13	0.08	0.04	-0.01	0.29	0.26
Appraisal ratio fixed-income investments	0.12	0.08	0.02	-0.01	0.73	0.64

Risk-adjusted measures

For equity and fixed income. Annualised

	Since 01.01.1999		Last 10 years		Last 5 years	
	Before costs	After costs	Before costs	After costs	Before costs	After costs
Sharpe ratio equity and fixed-income investments	0.49	0.48	0.50	0.49	1.01	1.00
Sharpe ratio equity and fixed-income benchmark index	0.48	0.48	0.52	0.52	1.01	1.01
Sharpe ratio difference equity and fixed-income investments versus benchmark index	0.01	0.00	-0.02	-0.03	0.00	-0.01
Information ratio equity and fixed-income investments	0.39	0.27	0.12	0.02	0.37	0.20
Jensen's alpha equity and fixed-income investments (percent)	0.10	0.01	-0.19	-0.27	0.00	-0.06
Appraisal ratio equity and fixed-income investments	0.16	0.01	-0.26	-0.38	0.01	-0.16

Regression analysis of relative return

Equity investments. Measured in dollars after management costs

	Intercep annual							
Sample period	Before mgmt costs	After mgmt costs	Market (MKT)	Small vs large (SMB)	Cheap vs expensive (HML)	Profitable vs unprofitable (RMW)	Conservative vs aggressive investment (CMA)	Variance explained in percent (R squared)
Since 01.01.1999	35	21	0.02	0.05	-0.01	0.02	-0.01	47
Last 10 years	15	3	0.02	0.04	-0.01	0.02	-0.03	48
Last 5 years	19	11	0.02	0.02	0.01	-0.01	-0.01	31

Regression analysis of relative return

Fixed income investments. Measured in dollars after management costs

	Intercep annual		Regression coef		
Sample period	Before management costs	After management costs	Default (duration adjusted)	Term	Variance explained in percent (R squared)
Since 01.01.1998	13	9	0.08	-0.02	30
Last 10 years	1	-4	0.10	-0.03	40
Last 5 years	15	11	0.00	-0.05	31

Regression analysis of relative return

Equity and fixed income. Measured in dollars after management costs

	ot, bps llised	Regression coefficients								
Sample period	Before mgmt costs	After mgmt costs	Market (MKT)	Small vs large (SMB)	Cheap vs expensive (HML)	Profitable vs unprofitable (RMW)	Conservative vs aggressive investment (CMA)	Default (duration adjusted)	Term	Variance explained in percent (R squared)
Since 01.01.1998	7	-2	0.02	0.03	0.01	0.03	-0.02	0.03	-0.01	57
Last 10 years	1	-7	0.02	0.04	0.02	0.02	-0.05	0.03	-0.01	69
Last 5 years	16	10	0.01	0.03	0.00	0.02	0.01	0.01	-0.04	49

Factor-adjusted returns

Equity investments, after management costs

Model		α (Ι	ops, annuali	zed)		R ²		
	Asset pricing equation	Full period	Last 10 year	Last 5 year	Full period	Last 10 year	Last 5 year	
CAPM	MKT	31	3	1	19 %	30 %	23 %	
Fama-French 3F	MKT + SMB + HML	30	1	7	44 %	46 %	31 %	
Fama-French 4F	MKT + HML + SMB + WML	19	-1	-2	48 %	46 %	33 %	
Fama-French 5F	MKT + HML + SMB + CMA + RMW	21	3	11	47 %	48 %	31 %	
MSCI 5F	MKT + HML + SMB + CMA + RMW	51	24	4	43 %	43 %	35 %	
AQR 6F	MKT + HML + SMB + UMD + QMJ + BAB	31	32	29	45 %	43 %	36 %	

Source: Norges Bank Investment Management, Kenneth French, MSCI, AQR

Factor-adjusted returns

Equity and fixed-income investments, after management costs

Data	α (basis points, annualised)	Coefficients							R ²
		MKT	SMB	HML	RMW	СМА	DEF Adj	TERM	
French	-2	0.02	0.03	0.01	0.03	-0.02	0.03	-0.01	57.00 %
MSCI	20	0.01	0.04	-0.01	-0.01	-0.02	0.03	-0.01	55.00 %

Discussion notes





