Introduction to corporate bond portfolio management

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rket canitalization of as	sot classe	s (Fobruary
Description	Number of issues	Market cap (USD billion)
Multiverse	11,360	17,90
Government	2,212	9,86
Treasuries	804	8,08
Agencies	1,408	1,78
Corporate	5,645	3,41
Industrial	3,704	1,64
Utility	755	38
Financial Institutions	1,816	1,37
Non-corporate	937	99
Sovereign	423	419
Supranational	234	301
Others	280	275
Securitized	2,567	3,632
Mortgages	2,401	3,531
Asset Backed	166	101



Description	UST	COR
Annualized return	8.91%	9.01%
Annualized volatility	5.51%	7.58%
Sharpe ratio	0.214	0.169
Probability that annual return is positive	94.50%	85.90%
Conditional expected return if positive	9.83%	11.75%
conditional expected retain it positive		

Historical performance (Jan 1975 - Jan 2000)

Description	UST	COR
Annualized return	9.02%	9.83%
Annualized volatility	5.69%	7.77%
Sharpe ratio	0.098	0.176
Probability that annual return is positive	93.75%	87.50%
Conditional expected return if positive	10.27%	12.41%
Probability that annual return is negative	6.25 %	12.50%
Conditional expected return if negative	-2.21%	-4.31%



The case for corporate bonds

• Performance comparison of single-A or better rated corporates versus Treasuries on a duration-neutral basis

Performance of 1-5 yea (Jan	r sector dur 1999 to Jan 2	ation-neutral] 2003)	portfolios
Description	Annual return	Annualized volatility	Market capitalization
Corporates A-minus or better	7.77%	2.45%	\$ 410 bn ^{a)}
US Treasuries	6.86%	2.83%	\$ 840 bn ^{a)}

a) Market capitalization as of January 2003

Benchmark char	acteristics	of different	credit sub	-indices (as
June 2003)	# issues	Duration	Spread	Market car
USD corporates	3,644	6.09	134 bp	\$ 1,903 bn
1-3 year sector	777	1.97	77 bp	\$ 465 bn
1-5 year sector	1,541	2.74	89 bp	\$ 910 bn
A-rated corporates	1,537	5.92	121 bp	\$ 833 bn
JACI	103	5.20	170 bp	\$ 76 bn

В	ANK FOF	R INTERNATIO	DNAL S	ETTLEMENTS
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	Short-term	Long-term	Total
T	405	Long-term	0.57 (500)
Treasury securities	105	492	657 (58%
Other assets	262	211	565 (42%
Deposits in the US	32		
Money market paper in the US	104		
Offshore deposits	126	12	
Agency securities		91	
Corporate bonds		12	
Equity		96	
Total	427	703	1130 (100%
Memorandum items: Share of Treasury securities in assets of the given maturity	39%	70%	
Total estimated US dollar reserves at end-1999			1359
Source: Robert McCauley and Ben Fung, exchange reserves", BIS Quarterly Review, T	"Choosing instrum able 1, p. 41, March	nents in managin 2003.	g dollar foreigr

















