Market Functioning Issues

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OFFSETTING FORCES



WHAT ABOUT LIQUIDITY ? Decreased B2B markets



WHAT ABOUT LIQUIDITY ? Crisis-induced factors



WHAT ABOUT LIQUIDITY ? Regulatory factors





Is Bond Market Liquidity "Back to Normal" ?

- Trading volume in all German government paper has indeed recovered from its 2009 trough, but has not reached the levels of the years before the crisis yet
- Corporate credit markets show an impressive recovery from 2009 levels. However, IG b/o levels are still significantly above pre-crises levels. Note that dealer participation is in decline in line with decreasing balance sheet capacity

Sekundärmarktvolumina Bundeswertpapiere												
	Gesamt (Mrd. €)						Monatsdurchnitt (Mrd. €)					
	2011	2010	2009	2008	2007	2006	2011	2010	2009	2008	2007	2006
Handelsvolumen	6.028	5679	4609	5961	6418	6818	502	473	392	496	534	568
Nettovolumen	157	247	223	118	93	140	13,08	20,58	18,6	9,8	7,7	11,6

Source: Bundesfinanzagentur. Note: Figures based on surveys among primary dealers on a) total traded volumes and b) net positions (w/o primary issue volumes).

Credit Market Liquidity



Source: Markit IBOXX, Morgan Stanley Research

Significant recovery but pre-crises situation not yet restored

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Volatility and Term Premium are Historically Well Correlated

Term premiums, unlike outright rate levels, are well correlated with volatility both pre- and post-crisis. An increase in term premium would likely coincide with increased volatility.



Data from October 1999 to February 2013 **Source:** Morgan Stanley Research

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Illustration of $extsf{main}$'s in VOL Impacting Risk Management

•As yields become more volatile, portfolio risks (VAR) become larger for a given size of position.

•As system-wide capacity is risk/VAR constrained, higher vol implies diminished ability to own BTP's.

•Creates pro cyclical forced liquidation.



*Assuming 1mm/bp long position in BTP 10yr