Stock Exchange Turnover



in Derivatives

Lower turnover on German structured products market due to seasonal effects

Exchanges record turnover of EUR 3.0 billion in July

STRUCTURED SECURITIES INVESTMENT PRODUCTS LEVERAGE PRODUCTS with capital protection without capital protection without Knock-Out with Knock-Out (100%) (< 100%) Capital Protection Tracker Certificates **Reverse Convertibles Express Certificates Knock-Out Warrants** Products with Coup Capital Protection Factor Certificates **Credit Linked Notes Discount Certificates Bonus Certificates** Capped Outperformance Certificates **DDV Classification System**

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July I 2016

- Orders executed at the exchanges in Stuttgart and Frankfurt totalled EUR 3.0 billion in July 2016.
- Investors had 566,866 investment products and 755,199 leverage products to choose from at the end of July.
 - Turnover generated from leverage products with commodities as an underlying was up 3.6 percent and stood at EUR 110.8 million.
- Transaction volume from investment products amounted to EUR 1.5 billion.

Lower turnover on German structured products market due to seasonal effects

Exchanges record turnover of EUR 3.0 billion in July

Trading in structured securities slowed down on the exchanges in Stuttgart and Frankfurt in July. Exchange turnover from trading in structured products and leverage products totalled almost EUR 3.0 billion, representing a 26.0 percent decrease on the prior month. The number of orders executed dropped 13.8 percent to 394,014 in July. The average order size amounted to was 14.1 percent lower than in June and stood at EUR 7,550.

The transaction volume generated from trading in investment products amounted to EUR 1.5 billion in July - down 30.7 percent compared with the figure registered in June. Trading in investment products made up 50.9 percent of the total turnover. The exchanges in Stuttgart and Frankfurt executed 60,396 customer orders in July, a 13.4 percent decline on the previous month's total. The average order size was EUR 25,050, and thus 20.0 percent lower than in June.

The turnover for leverage products was also down 20.4 percent compared with the figure recorded for the previous month. It stood at just under EUR 1.5 billion and accounted for 49.1 percent of the total transaction volume. In July,

13.9 percent less customer orders were executed, taking the number to 333,618. The average order size was EUR 4,382 - a 7.5 percent decrease compared with June.

New issues

Banks issued 61,545 new investment products and 213,372 new leverage products in July 2016. As a result, a total of 566,866 investment products and 755,199 leverage products were available at the exchanges in Stuttgart and Frankfurt.

Exchange turnover by product category

Investment products

Turnover in Discount Certificates plummeted by 41.1 percent in July, taking it to EUR 597.0 million. The trading volume of Bonus Certificates dropped 28.2 percent, to EUR 419.9 million. Tracker Certificates generated turnover of EUR 258.5 million - 8.3 percent lower than in June. Reverse Convertibles recorded turnover of EUR 126.9 million, a 21.7 percent decrease on the previous month. The

trading volume registered for Express Certificates dwindled by 29.4 percent to EUR 52.2 million in July. Turnover in Capital Protection Products with Coupon was down 29.8 percent to stand at EUR 14.0 million. The trading volume of Uncapped Capital Protection Certificates edged down to EUR 18.9 million, representing a decrease of 2.1 percent. Turnover in Credit Linked Notes rose by 23.1 percent and amounted to EUR 21.8 million in the reporting month. The **Outperformance and Capped Outperformance Certificates** market experienced a slump of 64.6 percent on the previous month. A total of EUR 3.7 million was invested in this product class. However, given the limited volume, they do not have a major impact on the overall market.

Leverage products

In comparison to the previous months, trading in leverage products by retail investors slowed down in July. Turnover in Warrants experienced a 26.8 percent drop to stand at EUR 373.8 million. The trading volume for Knock-Out Warrants lost 15.0 percent, to come in at EUR 865.8 million. At EUR 222.5 million, turnover in Factor Certificates was down by 27.6 percent.

Exchange turnover by underlying

Investment products

Turnover generated from products with indices as an underlying dropped by 33.2 percent in July. The figure recorded totalled EUR 768.3 million, which accounted for 50.8 percent of the total volume. At EUR 628.2 million, the turnover from investment products with equities as an underlying was 29.9 percent lower than in the previous month. Their share of the total market volume was 41.5 percent in July. Turnover in products with commodities as an underlying went down to EUR 65.5 million, a decrease of 17.5 percent. They accounted for 4.3 percent of the total turnover. Trading in investment products with interest rates as an underlying registered a 9.3 percent increase. At EUR 27.3 million, they made up 1.8 percent of the market. Trading in products with investment funds as an underlying came in at EUR 11.6 million.

Leverage products

products with indices as an underlying plummeted 27.8 percent to EUR 895.2 million. They accounted for 61.2 per-turnover.

cent of the total turnover. The trading volume of products with equities as an underlying recorded a 2.7 percent decline to EUR 412.8 million in July. They therefore accounted for 28.2 percent of the market. Turnover from commodities as an underlying was up 3.6 percent to stand at EUR 110.8 million. Their market share stood at 7.6 percent. At EUR 30.4 million, the trading volume for leverage products with currencies as an underlying was 31.7 percent lower than the figure for June. They made up 2.1 percent of the total volume. Leverage products with interest rates as an underlying generated turnover of EUR 11.8 million.

Exchange turnover

The exchange in Stuttgart recorded a transaction volume of EUR 1.9 billion in July. Its market share of the total turnover stood at 64.7 percent; 235,776 customer orders were executed.

The market for leverage products suffered a downturn in Frankfurt's exchange executed 158,238 customer orders turnover compared to the previous month. Turnover in and registered a trading volume of EUR 1.0 billion. The figure accounted for 35.3 percent of the aggregate exchange































Deutscher Derivate Verband (DDV)

Deutscher Derivate Verband (DDV), the German Derivatives Association, is the industry representative body for the leading issuers of derivatives in Germany: BayernLB, BNP Paribas, Citigroup, Commerzbank, Deka-Bank, Deutsche Bank, DZ BANK, Goldman Sachs, Helaba, HSBC Trinkaus, HypoVereinsbank, LBBW, Société Générale, UBS and Vontobel. The Association's work is supported by 14 sponsoring members, which include the Stuttgart and Frankfurt am Main stock exchanges, finance portals and service providers.

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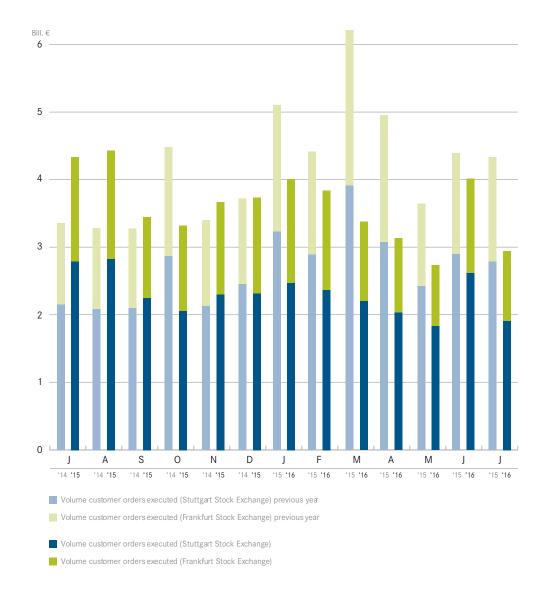
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Year Overview Stock Exchange Turnover July 2016

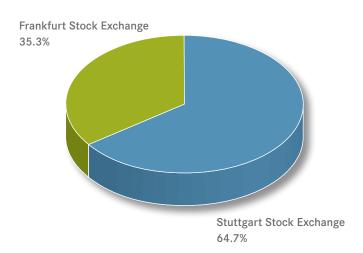
Month		Total	Stuttgart Sto	ck Exchange	Frankfurt Stock Exchange			
_		Number of		Number of		Number of		
	in T€	orders	in T€	orders	in T€	orders		
July 2015	4,353,309	494,917	2,803,565	308,119	1,549,744	186,798		
August 2015	4,457,674	548,006	2,845,386	336,654	1,612,287	211,352		
September 2015	3,472,628	457,033	2,261,766	272,419	1,210,862	184,614		
October 2015	3,341,149	446,548	2,068,678	253,748	1,272,471	192,800		
November 2015	3,678,726	459,520	2,310,106	261,625	1,368,620	197,895		
December 2015	3,760,048	466,165	2,332,162	272,977	1,427,886	193,188		
January 2016	4,000,451	509,024	2,464,126	305,966	1,536,325	203,058		
February 2016	3,850,981	504,998	2,378,673	305,901	1,472,308	199,097		
March 2016	3,379,659	443,979	2,200,445	267,798	1,179,214	176,181		
April 2016	3,139,046	423,401	2,031,717	251,537	1,107,329	171,864		
May 2016	2,753,359	361,591	1,850,179	219,614	903,180	141,977		
June 2016	4,021,008	457,267	2,623,690	278,213	1,397,317	179,054		
July 2016	2,974,922	394,014	1,925,547	235,776	1,049,375	158,238		



Turnover volume by stock exchange July 2016

	Stuttgart Stock	Exchange	Frankfurt Stock	Exchange	То		
	Volume	Share	Volume	Share	Volume	Share	
Investment products with capital protection	9,865	0.5%	23,074	2.2%	32,940	1.1%	
Investment products without capital protection	984,201	51.1%	495,756	47.2%	1,479,957	49.7%	
Investment products total	994,066	51.6%	518,830	49.4%	1,512,896	50.9%	
Leverage products without knock-out	533,913	27.7%	331,862	31.6%	865,775	29.1%	
Leverage products with knock-out	397,567	20.6%	198,683	18.9%	596,250	20.0%	
Leverage products total	931,480	48.4%	530,545	50.6%	1,462,025	49.1%	
Total	1,925,547	100.0%	1,049,375	100.0%	2,974,922	100.0%	

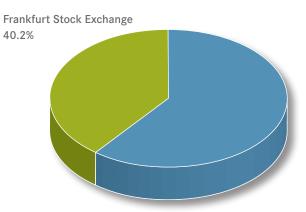
Turnover volume by stock exchange as a percentage



Number of customer orders by stock exchange July 2016

Stuttgart Stock	Exchange	Frankfurt Stock	Exchange		Total
Number	Share	Number	Share	Number	Share
502	0.2%	1,189	0.8%	1,691	0.4%
39,682	16.8%	19,023	12.0%	58,705	14.9%
40,184	17.0%	20,212	12.8%	60,396	15.3%
122,387	51.9%	88,128	55.7%	210,515	53.4%
73,205	31.0%	49,898	31.5%	123,103	31.2%
195,592	83.0%	138,026	87.2%	333,618	84.7%
235,776	100.0%	158,238	100.0%	394,014	100.0%
	Number 502 39,682 40,184 122,387 73,205 195,592	502 0.2% 39,682 16.8% 40,184 17.0% 122,387 51.9% 73,205 31.0% 195,592 83.0%	Number Share Number 502 0.2% 1,189 39,682 16.8% 19,023 40,184 17.0% 20,212 122,387 51.9% 88,128 73,205 31.0% 49,898 195,592 83.0% 138,026	Number Share Number Share 502 0.2% 1,189 0.8% 39,682 16.8% 19,023 12.0% 40,184 17.0% 20,212 12.8% 122,387 51.9% 88,128 55.7% 73,205 31.0% 49,898 31.5% 195,592 83.0% 138,026 87.2%	Number Share Number Share Number 502 0.2% 1,189 0.8% 1,691 39,682 16.8% 19,023 12.0% 58,705 40,184 17.0% 20,212 12.8% 60,396 122,387 51.9% 88,128 55.7% 210,515 73,205 31.0% 49,898 31.5% 123,103 195,592 83.0% 138,026 87.2% 333,618

Number of customer orders by stock exchange as a percentage



Stuttgart Stock Exchange 59.8%

Turnover by product category July 2016

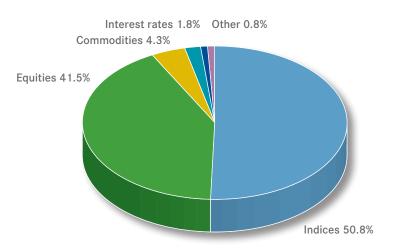
Product categories	Volume	Change in comparison with previous month	Share	Number of orders	Change in comparison with previous month	Share	Volume per order	Change in comparison with previous month
_	in T €	in %	in %	#	in %	in %	in T €	in %
■ Kapitalschutz-Zertifikate	18,926	-2.1	0.6	929	1.6	0.2	20,372	-3.7
Strukturierte Anleihen	14,014	-29.8	0.5	762	-21.0	0.2	18,391	-11.1
■ Bonitätsanleihen	21,756	23.1	0.7	886	11.6	0.2	24,555	10.3
Aktienanleihen	126,881	-21.7	4.3	7,345	-19.5	1.9	17,274	-2.8
■ Discount-Zertifikate	596,995	-41.1	20.1	17,685	-12.9	4.5	33,757	-32.4
■ Express-Zertifikate	52,225	-29.4	1.8	3,009	-28.3	0.8	17,356	-1.6
■ Bonus-Zertifikate	419,905	-28.2	14.1	12,379	-20.9	3.1	33,921	-9.2
Index- und Partizipations-Zertifikate	258,530	-8.3	8.7	16,994	-1.6	4.3	15,213	-6.8
Outperformance- und Sprint-Zertifikate	3,667	-64.6	0.1	407	-25.6	0.1	9,009	-52.5
Anlageprodukte gesamt	1,512,896	-30.7	50.9	60,396	-13.4	15.3	25,050	-20.0
Optionsscheine	373,754	-26.8	12.6	84,848	-21.3	21.5	4,405	-7.0
■ Faktor-Zertifikate	222,496	-27.6	7.5	38,255	-25.6	9.7	5,816	-2.6
■ Knock-Out Produkte	865,775	-15.0	29.1	210,515	-7.8	53.4	4,113	-7.9
Hebelprodukte gesamt	1,462,025	-20.4	49.1	333,618	-13.9	84.7	4,382	-7.5
Gesamt	2,974,922	-26.0	100.0	394,014	-13.8	100.0	7,550	-14.1

Share in total volume Uncapped Capital Protection Certificates 0.6% Capital Protection Products with Coupon 0.5% - Credit Linked Notes 0.7% Knock-Out Reverse Warrants 29.1% -Convertibles 4.3% Discount-Factor-Certificates Certificates 20.1% 7.5% Express-Warrants Certificates 12.6% 1.8% Outperformance -Tracker and Capped Outperformance -Bonus-Certificates 8.7% Certificates Certificates 0.1% 14.1%

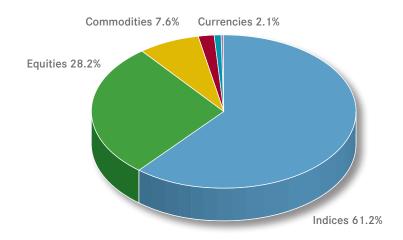
Turnover by underlying July 2016

Underlying		Change in comparison	
	Volume	with previous month	Share
	in T €	in %	in %
Investment products			
Indices	768,317	-33.2%	50.8%
■ Equities	628,155	-29.9%	41.5%
Commodities	65,475	-17.5%	4.3%
Currencies	90	173.2%	0.0%
Interest rates	27,287	9.3%	1.8%
Investment funds	11,580	-9.7%	0.8%
Other	11,994	-41.3%	0.8%
Investment products total	1,512,896	-30.7%	100.0%
Leverage products			
Indices	895,179	-27.8%	61.2%
■ Equities	412,759	-2.7%	28.2%
Commodities	110,777	3.6%	7.6%
Currencies	30,413	-31.7%	2.1%
Interest rates	11,815	-40.2%	0.8%
Investment funds	3	-100.0%	0.0%
Other	1,078	-17.6%	0.1%
Leverage products total	1,462,025	-20.4%	100.0%
Total	2,974,922	-26.0	

Investment products by underlying



Leverage products by underlying



Number of new issues July 2016

Month					Investment p	roducts				Leverage products				
	With capital	With capital protection Without capital protection								Without knock-out		With knock-out		
	Uncapped Capital Protection Certificates	Capital Protection Products with Coupon	Credit Linked Notes	Reverse	Discount Certificates	Express Certificates	Bonus Certificates	Tracker Certificates	Outperformance and Capped Outperformance Certificates	Warrants	Factor Certificates	Knock-Out Warrants	Total	
January 2016	8	3	26	12,200	18,854	227	38,667	145	147	64,220	64	181,439	316,000	
February 2016	16	1	44	10,779	15,556	290	45,012	174	7	43,815	37	188,242	303,973	
March 2016	14		59	7,375	17,504	227	36,992	262	76	42,123	167	149,095	253,894	
April 2016	11	2	34	8,524	11,196	238	39,515	57	18	51,183	150	150,010	260,938	
May 2016	11		45	7,242	14,213	333	24,304	290	20	47,576	34	141,227	235,295	
June 2016	12		40	8,621	11,107	255	39,970	286	272	38,845	52	148,412	247,872	
July 2016	10		34	8,355	17,244	254	35,466	176	6	62,244	198	150,930	274,917	
1/16 - 7/16	82	6	282	63,096	105,674	1,824	259,926	1,390	546	350,006	702	1,109,355	1,892,889	
1/14 7/14		88				432,	738			3	51,410	1,109,355	1,892,889	
1/16 - 7/16	432,826									1,460,76	5	1,892,889		

Total number of products July 2016

Month	Investment products										Leverage products			
-	With capital protection Without capital protection								Without knock-out		With knock-out			
	Uncapped Capital Protection Certificates	Capital Protection Products with Coupon	Credit Linked Notes		Discount Certificates	Express Certificates	Bonus Certificates	Tracker Certificates	Outperformance and Capped Outperformance Certificates	Warrants	Factor Certificates	Knock-Out Warrants	Total	
July 2015	2,192	355	1,111	96,953	190,673	3,125	284,845	6,160	997	415,296	3,788	349,614	1,355,109	
August 2015	2,184	349	1,131	99,761	194,764	3,281	286,761	6,377	1,044	424,779	3,828	338,148	1,362,407	
September 2015	2,155	339	1,158	99,416	188,931	3,437	270,227	6,498	1,114	398,259	3,870	333,222	1,308,626	
October 2015	2,128	332	1,172	104,423	199,663	3,462	290,725	6,648	1,241	408,054	3,953	341,211	1,363,012	
November 2015	2,103	321	1,200	109,974	212,369	3,537	289,932	6,721	1,331	422,198	4,018	349,851	1,403,555	
December 2015	2,044	306	1,217	98,669	200,644	3,778	267,914	6,937	1,139	376,118	4,104	329,398	1,292,268	
January 2016	2,007	290	1,232	103,970	212,831	3,950	269,598	7,024	1,186	406,527	4,148	333,062	1,345,825	
February 2016	1,970	278	1,275	109,059	219,620	4,201	265,187	7,116	1,192	419,667	4,142	342,516	1,376,223	
March 2016	1,855	262	1,327	100,437	206,820	4,388	254,273	7,302	1,122	381,976	4,241	326,710	1,290,713	
April 2016	1,810	254	1,340	105,842	208,969	4,583	274,969	7,304	1,044	411,280	4,365	333,276	1,355,036	
May 2016	1,782	242	1,385	103,763	208,062	4,850	276,680	7,528	1,064	433,951	4,363	344,750	1,388,420	
June 2016	1,734	230	1,418	92,185	178,414	5,052	248,923	7,756	974	383,272	4,403	305,620	1,229,981	
July 2016	1,670	217	1,430	93,217	188,371	5,246	267,845	7,899	971	418,569	4,578	332,052	1,322,065	
July 2014	1,8	87				564,	979			418,569	4,578	332,052	1,322,065	
July 2016 -	566,866										755,199		1,322,065	

The statistics include the turnover in derivatives at the stock exchanges in Stuttgart (EUWAX) and Frankfurt (Börse Frankfurt Zertifikate). The turnover figures are taken from Xetra and XONTRO (Xontro Order). The number of customer orders executed was integrated into the EUWAX statistics. The statistics cover all orders entered into the system by customers (not issuers or market makers) and executed by price determination. Issuers' market making activities (provision of liquidity for own securities) are not taken into account. Orders routed via an order flow provider offering an intermediary service are only counted once. Each partial execution of an order counts as an order. Later corrections made in stock exchange systems (e.g. a cancellation following a mistrade) are not taken into account. The securities are allocated using securities master data from WM Gruppe (Wertpapier-Mitteilungen), the German numbering agent and provider of securities information, as well as the securities master data from boerse-stuttgart AG. This allows the best possible classification of the turnover data by stock exchange, product group and issuer. From January 2010, the derivatives are classified according to the product classification developed by Deutscher Derivate Verband (DDV).

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