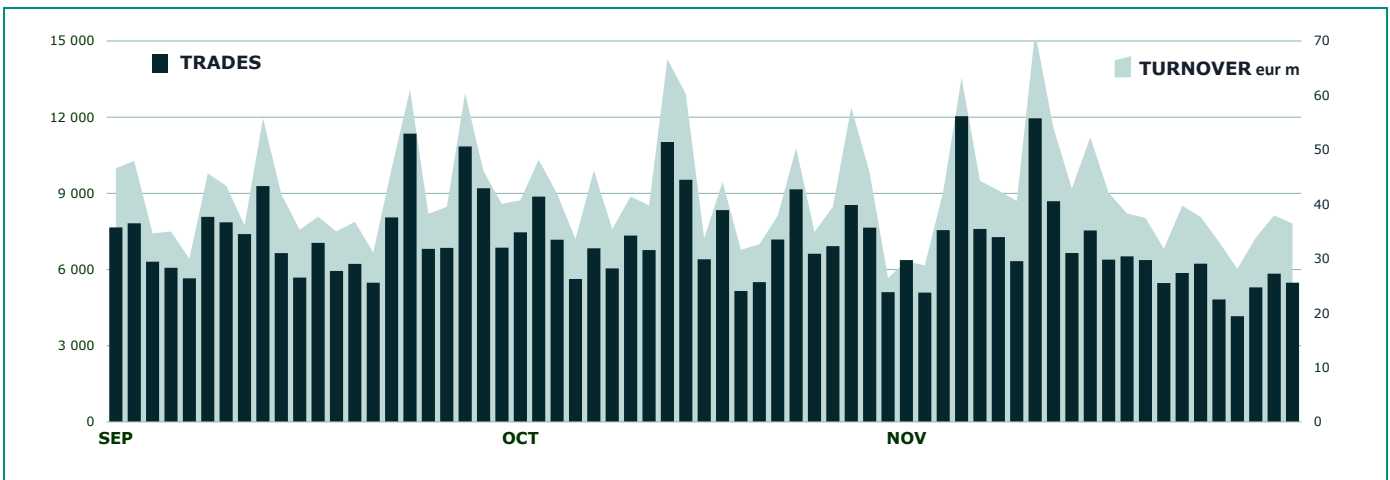
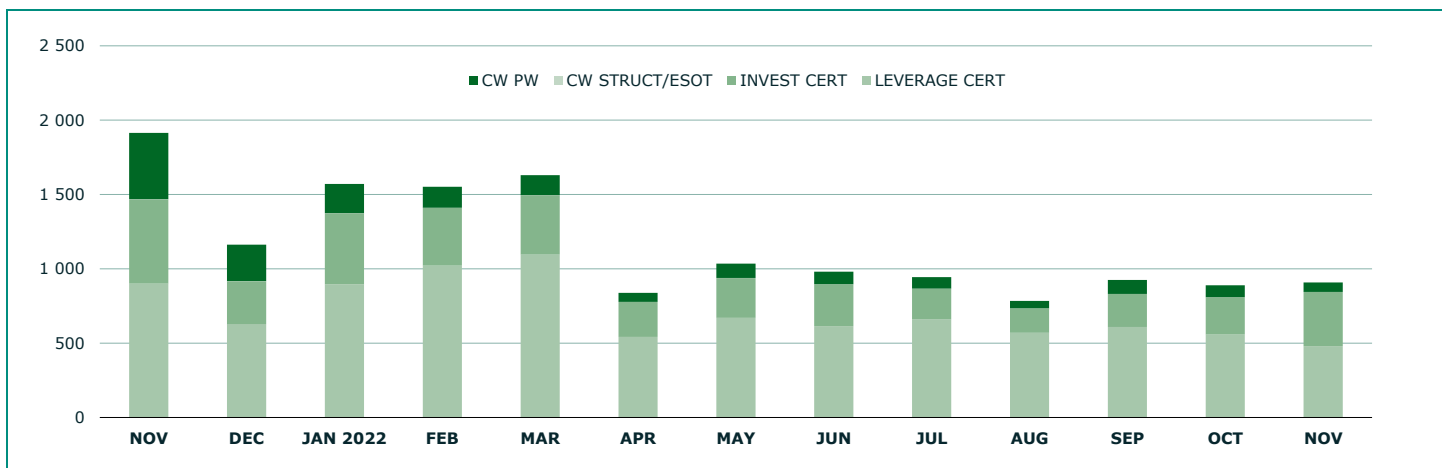


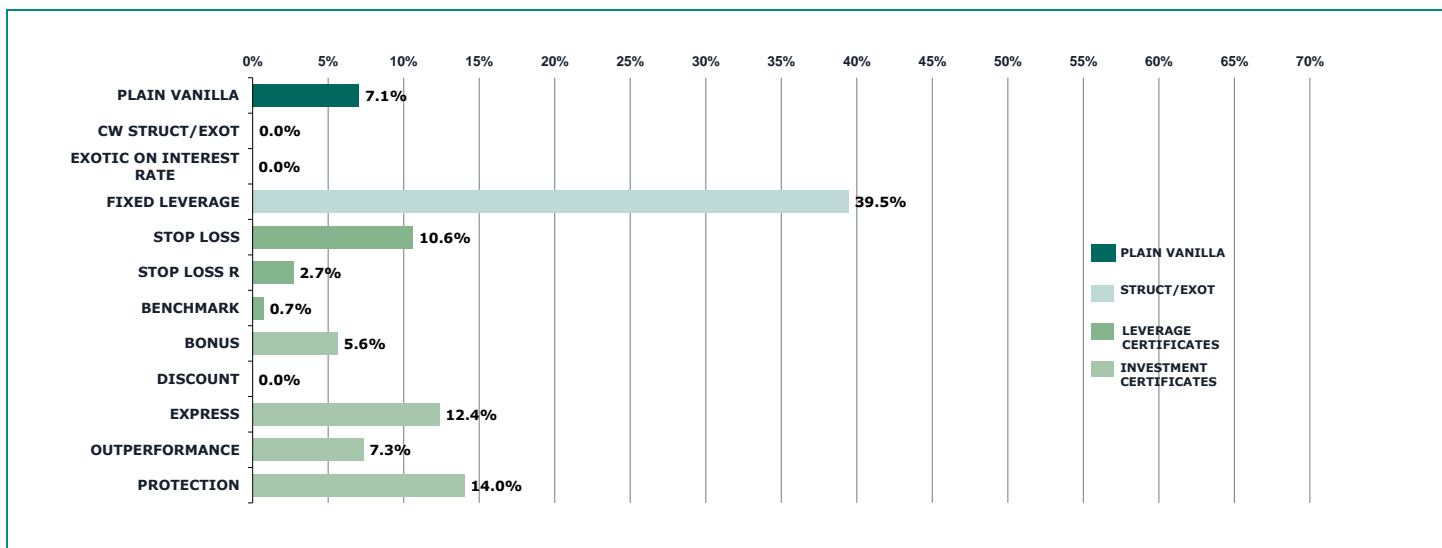
**SECURITISED DERIVATIVES DAILY TURNOVER**

**MAIN INDICATORS**

	LISTING					TRADING						
	DEC 2021		OCT 2022		NOV 2022		OCT 2022		NOV 2022		JAN-NOV 2022	
	LISTED END OF MONTH	LISTED END OF MONTH	MONTH NEW LISTED	LISTED END OF MONTH	MONTH NEW LISTED	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	
<b>MARKET SEGMENTS</b>												
PLAIN VANILLA CW	4 949	9 505	1 367	10 498	1 648	24 494	79	23 928	64	310 786	1 075	
STRUCTURED/EXOTIC CW	37	17	1	14	-	15	0	17	0	620	3	
LEVERAGE CERTIFICATES CLASS A	3 400	5 304	2 018	5 994	2 564	29 996	170	27 021	121	352 154	1 958	
LEVERAGE CERTIFICATES CLASS B	1 158	1 346	22	1 359	14	74 052	388	63 951	359	938 190	5 758	
INVESTMENT CERTIFICATES CLASS A	81	87	-	90	3	580	8	717	7	9 929	95	
INVESTMENT CERTIFICATES CLASS B	2 360	3 033	117	3 046	111	24 097	244	33 875	358	308 443	3 168	
<i>of which CERTIFICATES IN DISTRIBUTION</i>												
<b>TOTAL</b>	<b>11 985</b>	<b>19 292</b>	<b>3 525</b>	<b>21 001</b>	<b>4 340</b>	<b>153 234</b>	<b>889.1</b>	<b>149 509</b>	<b>908.6</b>	<b>1 920 122</b>	<b>12 056.8</b>	
<b>UNDERLYING ASSETS</b>												
DOMESTIC SHARES	3 833	6 191	1 035	6 830	1 361	22 839	99	26 313	128	325 994	1 558	
DOMESTIC INDICES	775	1 075	261	1 198	272	53 585	289	41 638	272	666 314	4 562	
FOREIGN SHARES	3 537	6 042	1 215	6 589	1 472	16 469	82	19 683	104	221 213	1 190	
FOREIGN INDICES	1 558	2 601	575	2 787	523	37 947	303	32 460	227	377 052	2 725	
COMMODITIES	936	1 216	193	1 293	344	13 395	42	14 397	42	183 252	715	
INTEREST RATE	22	26	6	56	33	561	5	520	1	4 140	53	
EXCHANGE RATE	174	569	182	679	273	1 620	13	1 767	8	15 244	138	
OTHERS	1 150	1 572	58	1 569	62	6 818	56	12 731	127	126 913	1 116	
<b>TOTAL</b>	<b>11 985</b>	<b>19 292</b>	<b>3 525</b>	<b>21 001</b>	<b>4 340</b>	<b>153 234</b>	<b>889.1</b>	<b>149 509</b>	<b>908.6</b>	<b>1 920 122</b>	<b>12 056.8</b>	
<b>ISSUERS</b>												
ALDBURG PUBLIC		9	1	9	-	112	2.0	152	1.8	516	9.2	
BANCA AKROS	30	16		16		775	12.2	731	10.3	11 190	163.1	
BANCA CESARE PONTI	1	8	2	8	-	4	0.0	1	0.0	31	0.2	
BANCA PROFILO	1									188	4.5	
BNP PARIBAS ISSUANCE	2 308	5 608	1 655	6 452	2 120	32 070	168.9	31 707	144.4	389 662	2 058.8	
CREDIT AGRICOLE CIB FIN (GUERNSEY)	1											
CREDIT AGRICOLE CIB FINANCIAL SOLUT	5	3		2		29	0.4	4	0.0	481	6.5	
CREDIT AGRICOLE CORP AND INV BANK	2									97	1.6	
CREDIT SUISSE	21	22	-	23	1	84	3.2	114	1.7	1 043	20.8	
GOLDMAN SACHS FIN CORP INT	8	12	4	12	-	53	0.8	40	0.6	255	3.3	
GOLDMAN SACHS INTERNATIONAL	65	62	-	71	9	262	2.0	857	6.8	6 306	47.1	
INTESA SANPAOLO	1 152	1 246	135	1 233	9	16 124	171.8	19 694	208.1	166 644	1 823.1	
JP MORGAN STRUCTURED PRODUCTS B.V	6	10		10		7	0.1	7	0.0	237	3.2	
LEONTEQ SECURITIES	334	264	-	254	1	475	5.2	849	10.6	14 289	178.0	
MORGAN STANLEY BV	32	56	1	52	-	85	1.1	237	3.4	1 400	19.2	
NATIXIS STRUCTURED ISSUANCE	38	30		27		101	0.7	94	0.9	2 307	20.6	
SOCIETE GENERALE	3	3		3		-	-	2	0.0	3	0.1	
SOCIETE GENERALE EFFEKTEN	841	2 140	70	2 205	137	59 627	310.4	51 299	289.3	728 194	4 128.3	
SOCIETE GENERALE ISSUER	28	24		24		102	0.9	169	1.5	1 543	13.7	
UBS AG	85	135	-	132	2	448	4.7	1 891	24.4	12 296	150.0	
UNICREDIT	2	1	-	2	1	-	-	4	0.0	6	0.1	
UNICREDIT BANK	3 341	4 146	601	4 343	791	15 820	73.4	16 080	70.4	218 137	1 126.5	
VONTOBEL FINANCIAL PRODUCTS GMBH	3 681	5 497	1 056	6 123	1 269	27 056	131.2	25 577	134.4	365 297	2 278.9	
<b>TOTAL</b>	<b>11 985</b>	<b>19 292</b>	<b>3 525</b>	<b>21 001</b>	<b>4 340</b>	<b>153 234</b>	<b>889</b>	<b>149 509</b>	<b>909</b>	<b>1 920 122</b>	<b>12 057</b>	

**TURNOVER**  
**MONTHLY FIGURES - eur m**



**TURNOVER BY TYPE**  
**MONTHLY FIGURES - eur m**



**MOST TRADED UNDERLYING ASSETS**  
**IN TERMS OF NUMBER OF TRADES**

UNDERLYING ASSET	NOV 2022			
	TRADES			DAILY
	NUMBER	% TOT	% CUM	
FTSE MIB NET TOTAL RETURN IDX	17 726	11.86%	11.86%	806
FTSE MIB GROSS TR	11 342	7.59%	19.44%	516
FTSE MIB	8 994	6.02%	25.46%	409
NASDAQ 100	4 260	2.85%	28.31%	194
EURO STOXX SELECT DIVIDEND 30 INDEX	3 993	2.67%	30.98%	182
DAX	3 618	2.42%	33.40%	164
STMICROELECTRONICS	3 540	2.37%	35.77%	161
FUTURE SU GAS NATURALE	3 204	2.14%	37.91%	146
UNICREDIT	2 882	1.93%	39.84%	131
INTESA SANPAOLO	2 646	1.77%	41.61%	120

**MOST TRADED UNDERLYING ASSETS**  
**IN TERMS OF TURNOVER**

UNDERLYING ASSET	NOV 2022			
	TURNOVER			DAILY
	eur m	% TOT	% CUM	
FTSE MIB NET TOTAL RETURN IDX	142	15.63%	15.63%	6.45
FTSE MIB	52	5.71%	21.34%	2.36
FTSE MIB GROSS TR	51	5.66%	27.00%	2.34
EURO STOXX SELECT DIVIDEND 30 INDEX	38	4.22%	31.22%	1.74
DAX	26	2.82%	34.04%	1.16
INTESA SANPAOLO	19	2.09%	36.13%	0.87
ENI	18	2.03%	38.16%	0.84
EURO STOXX 50	16	1.74%	39.90%	0.72
UNICREDIT	16	1.72%	41.62%	0.71
NASDAQ 100	15	1.68%	43.30%	0.69

**Glossary**

- Plain Vanilla: plain vanilla Covered Warrants
- IC - Benchmark: linear tracking of the underlying
- IC - Bonus: minimum return guaranteed in case of moderate decline
- IC - Equity Protection: (partial/total) protection from decline
- IC - Discount: purchase of the underlying at a discounted price
- IC - Express: possibility of early redemption of the nominal value plus a premium
- IC - Outperformance: extraperformance for certain intervals of values of the underlying
- LC - Stop Loss: certificates with a knock-out barrier and leverage effect
- LC - Stop Loss R: Stop Loss with daily update of the strike
- CW SE - Exotics on Exchange Rates: CWs on interest rates and with periodic exercise

## COVERED WARRANT

## MAIN INDICATORS

	LISTING					TRADING					
	DEC 2021	OCT 2022		NOV 2022		OCT 2022		NOV 2022		JAN-NOV 2022	
	LISTED END of MONTH	LISTED END of MONTH	MONTH NEW LISTED	LISTED END of MONTH	MONTH NEW LISTED	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m
<b>PLAIN VANILLA CW - UNDERLYING ASSETS</b>											
DOMESTIC SHARES	2 217	3 857	424	4 302	632	9 669	22	10 906	25	138 212	381
DOMESTIC INDICES	434	704	139	768	133	7 056	29	4 318	19	76 425	404
FOREIGN SHARES	1 629	3 201	471	3 565	610	4 240	11	5 750	14	56 371	180
FOREIGN INDICES	472	1 124	240	1 137	110	2 698	16	2 080	4	31 630	94
COMMODITIES	119	349	33	415	119	291	0	208	0	2 874	5
INTEREST RATE											
EXCHANGE RATE	74	268	60	309	44	540	1	666	1	5 168	11
OTHERS	4	2		2		-	-	-	-	106	0
<b>TOTAL</b>	<b>4 949</b>	<b>9 505</b>	<b>1 367</b>	<b>10 498</b>	<b>1 648</b>	<b>24 494</b>	<b>79.4</b>	<b>23 928</b>	<b>64.1</b>	<b>310 786</b>	<b>1 075.2</b>
<b>STRUCTURED/EXOTIC CW - UNDERLYING ASSETS</b>											
DOMESTIC SHARES	12									339	0
DOMESTIC INDICES	2									94	0
FOREIGN SHARES											
FOREIGN INDICES											
COMMODITIES	3									24	0
INTEREST RATE	6	6		6		-	-	-	-	-	-
EXCHANGE RATE	4									18	0
OTHERS	10	11	1	8	-	15	0	17	0	145	2
<b>TOTAL</b>	<b>37</b>	<b>17</b>	<b>1</b>	<b>14</b>	<b>-</b>	<b>15</b>	<b>0.2</b>	<b>17</b>	<b>0.3</b>	<b>620</b>	<b>2.7</b>
<b>PLAIN VANILLA CW - ISSUERS</b>											
BNP PARIBAS ISSUANCE	489	2 373	440	2 954	848	5 712	13.0	6 601	13.9	79 089	321.0
INTESA SANPAOLO	418	475	124	474	-	374	0.5	693	1.2	4 988	8.2
LEONTEQ SECURITIES	1	1		1		-	-	-	-	7	0.0
SOCIETE GENERALE	3	3		3		-	-	2	0.0	3	0.1
SOCIETE GENERALE EFFEKTEN	562	1 303	1	1 423	132	748	3.7	857	1.6	8 180	23.4
SOCIETE GENERALE ISSUER	7	6		6		-	-	-	-	5	0.0
UNICREDIT BANK	2 031	2 745	291	2 723	293	11 673	47.9	10 854	37.4	149 646	556.6
VONTOBEL FINANCIAL PRODUCTS GMBH	1 438	2 599	511	2 914	375	5 987	14.3	4 921	10.1	68 868	166.0
<b>TOTAL</b>	<b>4 949</b>	<b>9 505</b>	<b>1 367</b>	<b>10 498</b>	<b>1 648</b>	<b>24 494</b>	<b>79.4</b>	<b>23 928</b>	<b>64.1</b>	<b>310 786</b>	<b>1 075.2</b>
<b>STRUCTURED/EXOTIC CW - ISSUERS</b>											
ALDBURG PUBLIC		1	1	1	-	13	0.2	17	0.3	30	0.5
BANCA AKROS	6	6		6		-	-	-	-	-	-
LEONTEQ SECURITIES	9	9		6		1	0.0	-	-	114	1.7
NATIXIS STRUCTURED ISSUANCE	1	1		1		1	0.0	-	-	1	0.0
SOCIETE GENERALE EFFEKTEN	21									475	0.5
<b>TOTAL</b>	<b>37</b>	<b>17</b>	<b>1</b>	<b>14</b>	<b>-</b>	<b>15</b>	<b>0.2</b>	<b>17</b>	<b>0.3</b>	<b>620</b>	<b>2.7</b>
<b>STRUCTURED/EXOTIC CW - TYPE</b>											
CORRIDOR	21									475	0.5
STAY UP/STAY DOWN											
EURIBOR CAP	6	6		6		-	-	-	-	-	-
OTHER STRUCTURED/EXOTIC CW	10	11	1	8	-	15	0.2	17	0.3	145	2.2
<b>TOTAL</b>	<b>37</b>	<b>17</b>	<b>1</b>	<b>14</b>	<b>-</b>	<b>15</b>	<b>0.2</b>	<b>17</b>	<b>0.3</b>	<b>620</b>	<b>2.7</b>
<b>PLAIN VANILLA CW - CALL/PUT</b>											
CALL	3 255	5 712	790	6 183	845	17 292	50.8	17 365	50.8	224 570	745.2
PUT	1 694	3 793	577	4 315	803	7 202	28.6	6 563	13.3	86 216	330.0
<b>EXPIRATION DATE</b>											
EXPIRY < 3 MONTHS	1 971	3 847	439	3 516	218	16 717	32	14 326	29	187 350	350.7
3 MONTHS < EXPIRY < 6 MONTHS	1 665	2 304	309	2 706	462	2 919	17	4 640	9	52 256	156.3
6 MONTHS < EXPIRY < 12 MONTHS	1 233	2 588	433	3 374	832	2 839	9	3 324	8	52 897	328.6
12 MONTHS < EXPIRY < 24 MONTHS	90	733	184	851	121	1 915	20	1 533	16	17 540	215.4
24 MONTHS < EXPIRY < 60 MONTHS	14	37	3	52	15	108	2	106	3	1 183	26.1
EXPIRY MORE THAN 60 MONTHS	13	13	-	13	-	11	0	16	0	180	0.8

## COVERED WARRANT

## FIRST TEN PLAIN VANILLA COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022

ISIN	Long Name	Type	Strike	Underlying		Turnover eur m	% TOT	% CUM	Trades
IT0005190951	UNICREDIT BANK	CALL	22 000.0	FTSE MIB	15/12/2023	9.5	14.8%	14.8%	224
IT0005076705	UNICREDIT BANK	CALL	22 000.0	FTSE MIB	20/12/2024	2.8	4.4%	19.1%	63
NLBNPIT1FTY0	BNP PARIBAS ISSUANCE	CALL	240.0	FERRARI	16/12/2022	2.3	3.5%	22.7%	688
NLBNPIT1GOA9	BNP PARIBAS ISSUANCE	CALL	230.0	FERRARI	16/12/2022	1.6	2.5%	25.1%	467
DE000HB2DLE8	UNICREDIT BANK	PUT	300.0	TESLA	14/12/2022	1.1	1.7%	26.8%	109
DE000HC0ZYB3	UNICREDIT BANK	CALL	12.0	STELLANTIS	14/12/2023	0.9	1.4%	28.2%	64
DE000HV4LQJ1	UNICREDIT BANK	CALL	38.0	STMICROELECTRONICS	15/12/2022	0.8	1.3%	29.5%	97
NLBNPIT1G570	BNP PARIBAS ISSUANCE	CALL	45.0	STMICROELECTRONICS	16/06/2023	0.8	1.2%	30.7%	456
DE000HB2DLF5	UNICREDIT BANK	PUT	316.7	TESLA	14/12/2022	0.6	1.0%	31.7%	62
DE000HV4GZU9	UNICREDIT BANK	CALL	15.0	GENERALI	15/12/2022	0.6	0.9%	32.6%	74

## FIRST TEN STRUCTURED/EXOTIC COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022

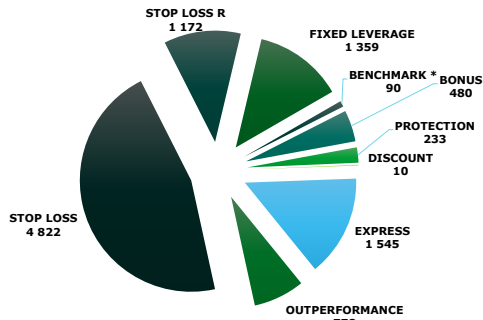
ISIN	Long Name	Type	Strike	Underlying		Turnover eur m	% TOT	% CUM	Trades
XS2544556363	ALDBURG PUBLIC	ESOT	-	CB-ACCENT LUX SWAN ULTRA SHORT-TERM BOND A	23/11/2026	0.3	100.0%	100.0%	17
CH0588513413	LEONTEQ SECURITIES	ESOT	163.1	SOLACTIVE DEFENSIVE FUNDS 3% RC INDEX	21/10/2024	0.0	0.3%	100.0%	1
LU1828505609	NATIXIS STRUCTURED ISSUANCE	ESOT	-	BASKET DI AZIONI US E EU	09/06/2023	0.0	0.0%	100.0%	1

## DISTRIBUTION OF TRADING BY SIZE OF TRADES

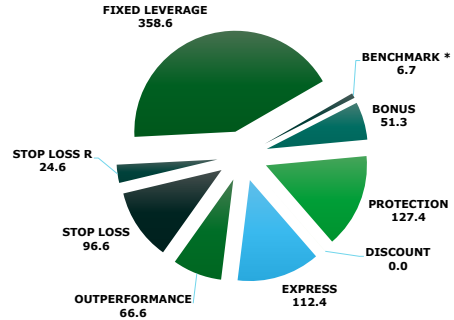
	OCT 2022		NOVEMBER 2022		JAN-NOV 2022				
	Trades	eur m	Trades	eur m	Trades	% TOT	eur m	% TOT	
-	250	5 371	0.7						
250	500	4 384	1.6	3 675	0.7	76 125	24.45%	9.6	0.89%
500	1 000	3 893	2.8	3 721	2.7	47 111	15.13%	33.8	3.14%
1 000	2 000	3 819	5.4	3 857	5.6	45 835	14.72%	65.2	6.04%
2 000	3 000	1 792	4.4	2 071	5.1	21 697	6.97%	52.9	4.90%
3 000	4 000	1 103	3.8	1 488	5.1	14 287	4.59%	49.1	4.55%
4 000	5 000	800	3.6	1 185	5.2	9 648	3.10%	42.9	3.98%
5 000	10 000	1 727	11.8	1 496	10.2	22 607	7.26%	156.1	14.48%
10 000	15 000	452	5.4	508	6.1	6 721	2.16%	82.1	7.62%
15 000	20 000	191	3.3	161	2.7	6 961	2.24%	120.8	11.21%
20 000	25 000	406	9.3	96	2.1	3 487	1.12%	77.1	7.16%
25 000	50 000	531	15.6	138	5.2	7 368	2.37%	255.1	23.67%
50 000	75 000	31	1.8	205	11.6	1 276	0.41%	75.5	7.00%
75 000	100 000	5	0.5	4	0.3	164	0.05%	13.6	1.26%
100 000		4	9.7	3	0.3	108	0.03%	26.9	2.49%

# CERTIFICATES

NUMBER OF LISTED CERTIFICATES BY TYPE



TURNOVER BY TYPE - eur m



## MAIN INDICATORS

### LISTING

DEC 2021	OCT 2022		NOV 2022	
LISTED END OF MONTH	LISTED END OF MONTH	MONTH NEW LISTED	LISTED END OF MONTH	MONTH NEW LISTED

### TRADING

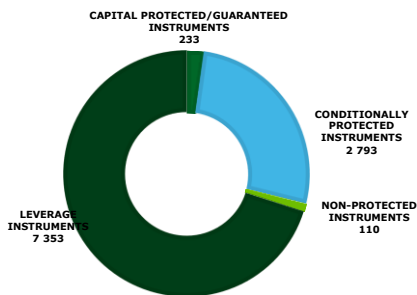
OCT 2022		NOV 2022		JAN-NOV 2022	
TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m

#### CERTIFICATES - TYPE

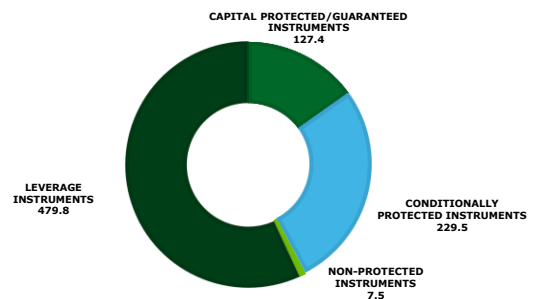
BENCHMARK *	81	87	-	90	3	580	7.5	717	6.7	9 929	94.7
BONUS	404	482	40	480	1	2 472	31.2	3 863	51.3	37 274	535.8
PROTECTION	193	225	13	233	9	11 664	136.4	11 650	127.4	92 499	1 066.7
DISCOUNT		10		10		3	0.0	2	0.0	5	0.0
EXPRESS	1 149	1 566	38	1 545	55	5 794	45.5	10 929	112.4	105 367	940.4
OUTPERFORMANCE	614	750	26	778	46	4 164	31.1	7 431	66.6	73 298	624.9
STOP LOSS	2 506	4 167	1 621	4 822	2 185	24 394	142.0	21 493	96.6	274 828	1 539.6
STOP LOSS R	894	1 137	397	1 172	379	5 602	28.0	5 528	24.6	77 326	418.7
FIXED LEVERAGE	1 158	1 346	22	1 359	14	74 052	387.6	63 951	358.6	938 190	5 758.0
CERTIFICATES IN DISTRIBUTION											
CREDIT LINKED NOTE INV											
<b>TOTAL</b>	<b>6 999</b>	<b>9 770</b>	<b>2 157</b>	<b>10 489</b>	<b>2 692</b>	<b>128 725</b>	<b>809.4</b>	<b>125 564</b>	<b>844.2</b>	<b>1 608 716</b>	<b>10 978.9</b>

(\*) Open end and Quanto are included

NUMBER OF LISTED CERTIFICATES BY ACEPI CLASS



TURNOVER BY ACEPI CLASS - eur m



## DISTRIBUTION OF TRADING BY SIZE OF TRADES

#### SIZE OF TRADE (eur)

SIZE OF TRADE (eur)	OCT 2022		NOV 2022		JAN-NOV 2022				
	Trades	eur m	Trades	eur m	Trades	% TOT	eur m	% TOT	
-	250	10 914	1.4	10 793	1.4	133 473	8.30%	17.2	0.16%
250	500	11 153	4.2	9 934	3.7	130 824	8.13%	49.0	0.45%
500	1 000	17 569	13.0	14 990	11.3	208 240	12.94%	155.7	1.42%
1 000	2 000	20 236	29.5	18 845	27.6	253 977	15.79%	368.2	3.35%
2 000	3 000	10 984	27.0	11 076	27.4	143 477	8.92%	353.3	3.22%
3 000	4 000	7 405	25.7	7 074	24.7	91 173	5.67%	317.0	2.89%
4 000	5 000	7 252	32.7	8 034	36.6	90 792	5.64%	411.2	3.75%
5 000	10 000	20 844	152.1	22 297	163.8	247 781	15.40%	1 803.8	16.43%
10 000	15 000	8 925	108.7	8 405	101.0	103 325	6.42%	1 249.0	11.38%
15 000	20 000	5 512	95.1	5 319	93.0	75 667	4.70%	1 317.0	12.00%
20 000	25 000	2 485	55.2	2 887	63.4	46 791	2.91%	1 038.2	9.46%
25 000	50 000	3 776	128.7	3 932	134.0	61 352	3.81%	2 060.5	18.77%
50 000	75 000	951	58.7	1 128	66.5	11 666	0.73%	702.7	6.40%
75 000	100 000	425	36.0	488	41.9	5 851	0.36%	502.0	4.57%
100 000		294	41.4	362	48.1	4 327	0.27%	633.9	5.77%

## LEVERAGE CERTIFICATES

## MAIN INDICATORS

	LISTING					TRADING						
	DEC 2021		OCT 2022		NOV 2022		OCT 2022		NOV 2022		JAN-NOV 2022	
	LISTED END of MONTH	LISTED END of MONTH	MONTH NEW LISTED	LISTED END of MONTH	MONTH NEW LISTED	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	
<b>LEVERAGE CERTIFICATES - TYPE</b>												
FIXED LEVERAGE	1 158	1 346	22	1 359	14	74 052	387.6	63 951	358.6	938 190	5 758.0	
MINI FUTURE CLOSE END	622	912	301	946	292	5 298	27.3	5 260	24.0	71 626	393.8	
MINI FUTURE OPEN END	272	225	96	226	87	304	0.8	268	0.6	5 700	24.9	
TURBO CLOSE END	825	1 358	713	2 014	1 302	12 135	65.9	10 104	40.3	132 780	596.5	
TURBO OPEN END	1 681	2 809	908	2 808	883	12 259	76.1	11 389	56.3	142 048	943.2	
<b>TOTAL</b>	<b>4 558</b>	<b>6 650</b>	<b>2 040</b>	<b>7 353</b>	<b>2 578</b>	<b>104 048</b>	<b>557.6</b>	<b>90 972</b>	<b>479.8</b>	<b>1 290 344</b>	<b>7 716.3</b>	
<b>LEVERAGE CERTIFICATES CLASS A - UNDERLYING ASSETS</b>												
DOMESTIC SHARES	1 014	1 647	594	1 845	716	5 113	24	5 829	27	77 323	448	
DOMESTIC INDICES	243	254	118	313	138	4 871	18	3 863	14	55 126	179	
FOREIGN SHARES	1 096	1 842	719	2 011	835	5 350	26	5 351	26	71 320	363	
FOREIGN INDICES	543	827	313	989	398	10 932	88	7 812	45	107 267	736	
COMMODITIES	409	435	154	445	223	3 019	6	3 419	6	34 088	140	
INTEREST RATE			-	30	33			22	0	22	0	
EXCHANGE RATE	91	297	120	359	221	711	9	725	4	6 778	91	
OTHERS	4	2		2		-	-	-	-	230	1	
<b>TOTAL</b>	<b>3 400</b>	<b>5 304</b>	<b>2 018</b>	<b>5 994</b>	<b>2 564</b>	<b>29 996</b>	<b>170.0</b>	<b>27 021</b>	<b>121.2</b>	<b>352 154</b>	<b>1 958.3</b>	
<b>LEVERAGE CERTIFICATES CLASS B - UNDERLYING ASSETS</b>												
DOMESTIC SHARES	203	187	-	188	1	6 053	34	6 117	37	78 673	409	
DOMESTIC INDICES	69	80		80		41 250	238	32 606	220	530 654	3 919	
FOREIGN SHARES	224	344	8	354	10	3 516	13	3 798	13	45 019	137	
FOREIGN INDICES	249	287	2	288	1	12 588	63	10 188	53	134 437	684	
COMMODITIES	400	427	6	428	2	10 047	35	10 739	35	145 442	559	
INTEREST RATE	13	20	6	20	-	561	5	498	1	3 906	50	
EXCHANGE RATE												
OTHERS		1		1		37	0	5	0	59	0	
<b>TOTAL</b>	<b>1 158</b>	<b>1 346</b>	<b>22</b>	<b>1 359</b>	<b>14</b>	<b>74 052</b>	<b>387.6</b>	<b>63 951</b>	<b>358.6</b>	<b>938 190</b>	<b>5 758.0</b>	
<b>LEVERAGE CERTIFICATES CLASS A - ISSUERS</b>												
BNP PARIBAS ISSUANCE	1476	2611	1157	2859	1 245	21 775	126	19 811	89	259 612	1 369.8	
SOCIETE GENERALE EFFEKTEN		475	64	418	-	1 230	8	798	6	16 149	145.4	
UNICREDIT BANK	969	1004	297	1182	451	2 667	15	3 037	15	34 806	208.3	
VONTOBEL FINANCIAL PRODUCTS GMBH	955	1214	500	1535	868	4 324	21	3 375	11	41 587	234.9	
<b>TOTAL</b>	<b>3 400</b>	<b>5 304</b>	<b>2 018</b>	<b>5 994</b>	<b>2 564</b>	<b>29 996</b>	<b>170</b>	<b>27 021</b>	<b>121</b>	<b>352 154</b>	<b>1 958</b>	
<b>LEVERAGE CERTIFICATES CLASS B - ISSUERS</b>												
BNP PARIBAS ISSUANCE	113	135	5	135	-	2 848	16	2 085	10	26 263	161.7	
INTESA SANPAOLO		2	2	2	-	6	0	15	0	21	0.3	
SOCIETE GENERALE EFFEKTEN	190	255	5	260	5	57 488	296	49 383	279	700 790	3 934.5	
UNICREDIT BANK	6	6		6		311	3	362	4	11 263	185.8	
VONTOBEL FINANCIAL PR(VONTOBEL FINANCI	849	948	10	956	9	13 399	73	12 106	65	199 853	1 475.8	
<b>TOTAL</b>	<b>1 158</b>	<b>1 346</b>	<b>22</b>	<b>1 359</b>	<b>14</b>	<b>74 052</b>	<b>388</b>	<b>63 951</b>	<b>359</b>	<b>938 190</b>	<b>5 758</b>	
<b>FIRST TEN LEVERAGE CERTIFICATES IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022</b>												
ISIN	Long Name	Type	Underlying	Turnover eur m	% TOT	% CUM	Trades					
LU2141869003	SGE LFISSA X7 LG FTMIBL OPEND	BULL	FTSE MIB NET TOTAL RETURN IDX	130.4	27.2%	27.2%	15 632					
LU2200517063	SGE LFISSA X-7 SH FTMIBG OPEND	BEAR	FTSE MIB GROSS TR	47.6	9.9%	37.1%	10 312					
DE000A3GNDT6	SGE LFISSA X7 LG NASDAQ 100 TRN OP END	BULL	NASDAQ 100 TRN	9.2	1.9%	39.0%	1 669					
DE000VE8X3D5	VON LFISSA X7 LG VT 7XL DAX 160623	BULL	VT 7XL DAX	7.8	1.6%	40.6%	498					
DE000SF2GCY1	SGE LFISSA X5 LG INTESA SANPAOLO OP END	BULL	INTESA SANPAOLO	7.8	1.6%	42.3%	896					
LU2141148952	SGE LFISSA X7 LG FTMIBL OP END	BULL	FTSE MIB NET TOTAL RETURN IDX	7.4	1.5%	43.8%	1 381					
DE000SF2GC61	SGE LFISSA X5 LG UNICREDIT OP END	BULL	UNICREDIT	6.4	1.3%	45.2%	910					
DE000SF2GCS3	SGE LFISSA X5 LG ENEL OP END	BULL	ENEL	4.6	1.0%	46.1%	525					
DE000V5SHLY8	VON LFISSA X-7 SH 7NGV15 160623	BEAR	7X SHORT INDEX LINKED TO NAT GAS HENRY HUB FUT V15	4.4	0.9%	47.0%	330					
NLBNPIT11V22	BPA TB SH DAX 17125 B17125 OP END	BEAR	DAX	4.0	0.8%	47.9%	106					

## INVESTMENT CERTIFICATES

## MAIN INDICATORS

	LISTING					TRADING						
	DEC 2021		OCT 2022		NOV 2022		OCT 2022		NOV 2022		JAN-NOV 2022	
	LISTED END of MONTH	LISTED END of MONTH	MONTH NEW LISTED	LISTED END of MONTH	MONTH NEW LISTED	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	
<b>INVESTMENT CERTIFICATES - UNDERLYING ASSETS</b>												
DOMESTIC SHARES	387	500	17	495	12	2 004	19	3 461	38	31 447	319	
DOMESTIC INDICES	27	37	4	37	1	408	4	851	20	4 015	61	
FOREIGN SHARES	588	655	17	659	17	3 363	33	4 784	51	48 503	510	
FOREIGN INDICES	294	363	20	373	14	11 729	137	12 380	126	103 718	1 212	
COMMODITIES	5	5		5		38	1	31	1	824	10	
INTEREST RATE	3									212	3	
EXCHANGE RATE	5	4	2	11	8	369	3	376	3	3 280	35	
OTHERS	1 132	1 556	57	1 556	62	6 766	56	12 709	126	126 373	1 112	
<b>TOTAL</b>	<b>2 441</b>	<b>3 120</b>	<b>117</b>	<b>3 136</b>	<b>114</b>	<b>24 677</b>	<b>251.8</b>	<b>34 592</b>	<b>364.5</b>	<b>318 372</b>	<b>3 262.6</b>	
<b>INVESTMENT CERTIFICATES - ISSUERS</b>												
ALDBURG PUBLIC		8		8		99	1.8	135	1.5	486	8.7	
BANCA AKROS	24	10		10		775	12.2	731	10.3	11 190	163.1	
BANCA CESARE PONTI	1	8	2	8	-	4	0.0	1	0.0	31	0.2	
BANCA PROFILO	1									188	4.5	
BNP PARIBAS ISSUANCE	230	489	53	504	27	1 735	14.3	3 210	31.8	24 698	206.3	
CREDIT AGRICOLE CIB FIN (GUERNSEY)	1									481	6.5	
CREDIT AGRICOLE CIB FINANCIAL SOLUT	5	3		2		29	0.4	4	0.0	97	1.6	
CREDIT AGRICOLE CORP AND INV BANK	2											
CREDIT SUISSE	21	22	-	23	1	84	3.2	114	1.7	1 043	20.8	
GOLDMAN SACHS FIN CORP INT	8	12	4	12	-	53	0.8	40	0.6	255	3.3	
GOLDMAN SACHS INTERNATIONAL	65	62	-	71	9	262	2.0	857	6.8	6 306	47.1	
INTESA SANPAOLO	734	769	9	757	9	15 744	171.3	18 986	206.6	161 635	1 814.5	
JP MORGAN STRUCTURED PRODUCTS B.V	6	10		10		7	0.1	7	0.0	237	3.2	
LEONTEQ SECURITIES	324	254	-	247	1	474	5.2	849	10.6	14 168	176.3	
MORGAN STANLEY BV	32	56	1	52	-	85	1.1	237	3.4	1 400	19.2	
NATIXIS STRUCTURED ISSUANCE	37	29		26		100	0.7	94	0.9	2 306	20.6	
SOCIETE GENERALE EFFEKTEN	68	107		104		161	1.8	261	2.6	2 600	24.5	
SOCIETE GENERALE ISSUER	21	18		18		102	0.9	169	1.5	1 538	13.7	
UBS AG	85	135	-	132	2	448	4.7	1 891	24.4	12 296	150.0	
UNICREDIT	2	1	-	2	1	-	-	4	0.0	6	0.1	
UNICREDIT BANK	335	391	13	432	47	1 169	7.5	1 827	14.0	22 422	175.9	
VONTOBEL FINANCIAL PRODUCTS GMBH	439	736	35	718	17	3 346	23.8	5 175	47.6	54 989	402.3	
<b>TOTAL</b>	<b>2 441</b>	<b>3 120</b>	<b>117</b>	<b>3 136</b>	<b>114</b>	<b>24 677</b>	<b>251.8</b>	<b>34 592</b>	<b>364.5</b>	<b>318 372</b>	<b>3 262.6</b>	
<b>INVESTMENT CERTIFICATES - ACEPI TYPE</b>												
EQUITY PROTECTION	109	141	11	144	4	6 832	85.3	7 125	88.3	48 399	599.2	
DIGITAL	84	83	2	87	4	4 831	50.9	4 506	37.7	44 804	474.4	
EXPRESS PROTECTION	1	1	-	2	1	1	0.1	19	1.4	31	2.0	
AIRBAG	17	37		37		92	0.4	132	1.2	1 753	11.5	
BONUS	16	8		8		33	0.4	48	0.8	181	2.1	
TWIN WIN												
EXPRESS	874	1 213	37	1 179	18	4 749	38.2	9 169	95.5	88 762	799.8	
CASH COLLECT	860	1 055	27	1 097	83	5 113	38.0	9 006	81.5	87 203	741.8	
OUTPERFORMANCE COND PROT	1	1				-	-	-	-	17	0.2	
BONUS CAP	388	474	40	472	1	2 439	30.9	3 815	50.5	37 093	533.6	
BENCHMARK/TRACKER	81	87	-	90	3	580	7.5	717	6.7	9 929	94.7	
DISCOUNT		10		10		3	0.0	2	0.0	5	0.0	
OUTPERFORMANCE	10	10		10		4	0.1	53	0.9	195	3.2	
<b>TOTAL</b>	<b>2 441</b>	<b>3 120</b>	<b>117</b>	<b>3 136</b>	<b>114</b>	<b>24 677</b>	<b>251.8</b>	<b>34 592</b>	<b>364.5</b>	<b>318 372</b>	<b>3 262.6</b>	

## INVESTMENT CERTIFICATES

## FIRST TEN CONDITIONALLY PROTECTED CERTIFICATES IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022

ISIN	Long Name	Marketing Name	Underlying	Turnover eur m	% TOT	% CUM	Trades
NLBNPIT1JU31	BPA CASH COLL ISPUCC 40 211125	CASH COLLECT	INTESA SANPAOLO VS UNICREDIT	7.6	3.3%	3.3%	482
XS1967675098	IS EXP ENI 100 9,149 020523	EXPRESS	ENI	7.4	3.2%	6.5%	512
DE000UX7XTN6	UBS EXP MULTI BKEEU1 95 60 301023	EXPRESS MULTI CERTIFICATE	ENEL/ENI/UNICREDIT/INTESASANPAOLO	4.3	1.9%	8.4%	494
XS1995014021	IS BONUS CAP SHELL 15,31 103,1 310523	BONUS CAP	SHELL	4.3	1.9%	10.3%	153
DE000VV34573	VON MMCCBARXP ZLDFFH 50 240624	MEMORY MULTI CASH COLLECT BARRIER EXPRESS	ZALANDO/FARFETCH	3.5	1.5%	11.8%	330
DE000VV8B1K4	VON MULCCBARXP NTXMZM 50 211024	MULTI CEDOLA FISSA BARRIER EXPRESS	NETFLIX/AMAZON/META PLATFORMS	3.3	1.4%	13.2%	106
DE000VV61P98	VON MMCCBARXP CLUFAL 60 260324	MEMORY MULTI CASH COLLECT BARRIER EXPRESS	CARNIVAL/LUFTHANSA/AIRBNB	2.8	1.2%	14.4%	373
XS1981744672	IS BONUS CAP REPSOL 7,160 104 100523	BONUS CAP	REPSOL	2.6	1.2%	15.6%	113
XS2002016553	IS BONUS CAP TOT 29,67 103,85 280623	BONUS CAP	TOTALENERGIES	2.6	1.1%	16.7%	225
DE000UH1VSV8	UBS EXP FREEP/GLENC/RIO/ANGL 60 020926	EXPRESS	FREEPORT-MCMORAN/GLENCORE/RIO TINTO/ANGLO AMERICAN	2.4	1.1%	17.8%	126

## FIRST TEN CAPITAL PROTECTED/GUARANTEED CERTIFICATES IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022

ISIN	Long Name	Marketing Name	Underlying	Turnover eur m	% TOT	% CUM	Trades
XS2490718629	IS EQ PROT FTSE MIB 21932 100 280527	EQUITY PROTECTION	FTSE MIB	16.1	12.7%	12.7%	481
XS2521694237	IS EQ PROT SX6INS 271,8 100 290928	EQUITY PROTECTION	STOXX EUROPE 600 INSURANCE	7.9	6.2%	18.9%	225
XS2041013702	IS EQ PROT SD 1957 100 300326	EQUITY PROTECTION	EURO STOXX SELECT DIVIDEND 30 INDEX	6.5	5.1%	24.0%	344
XS2480902605	IS EQ PROT SARINT 1648 100 290629	EQUITY PROTECTION	EURO ISTOXX50 ARTIFICIAL INTEL TILTED NR DEC5% EUR	4.9	3.9%	27.8%	428
XS2355101895	IS EQ PROT SARINT 2036 90 280728	EQUITY PROTECTION	EURO ISTOXX50 ARTIFICIAL INTEL TILTED NR DEC5% EUR	4.7	3.7%	31.6%	516
IT0005212516	AK TARGETCED SD 1810 100 150923	TARGET CEDOLA	EURO STOXX SELECT DIVIDEND 30 INDEX	3.9	3.1%	34.7%	341
IT0005330318	AK BORSA PRO SD 2117 100 210423	BORSA PROTETTA	EURO STOXX SELECT DIVIDEND 30 INDEX	3.8	3.0%	37.6%	246
XS2469378264	IS EQ PROT SD 1704 100 310527	EQUITY PROTECTION	EURO STOXX SELECT DIVIDEND 30 INDEX	3.8	3.0%	40.6%	538
XS2469406222	IS EQ PROT E50SHE 1817 100 310532	EQUITY PROTECTION	EURO ISTOXX 50 SHARING ECONOMY TILTED NR DECR 5%	2.3	1.8%	42.4%	317
XS2367597171	IS EQ PROT EURX50 1692 90 150928	EQUITY PROTECTION	EURO ISTOXX50 RECOVERY TILTED NR DEC 5%	2.1	1.6%	44.0%	246

## FIRST TEN NON-PROTECTED CERTIFICATES IN TERMS OF TURNOVER TRADED IN NOVEMBER 2022

ISIN	Long Name	Marketing Name	Underlying	Turnover eur m	% TOT	% CUM	Trades
DE0005F6UTZ4	SGE BENCHMARK VIX CBOE FUTURE OP END	BENCHMARK	VIX CBOE VOLATILITY INDEX FUTURE	1.1	14.2%	14.2%	121
CH0599558738	LQ OUTPERF BCHFFC 100 250924	OUTPERFORMANCE	BNP PARIBAS CHINA EQUITY FUND/FF - CHINA CONSUMER	0.8	10.8%	25.0%	46
XS1778816436	SGI BENCHMARK MSTRUS 6043 OP END	BENCHMARK	MSCI TRN WORLD INDEX	0.8	10.7%	35.7%	75
XS2537097151	ALD TRACKER CIRDN US DIV AMC IDX 091132	TRACKER	CIRDAN US DIVIDENDS & PREMIUMS STRATEGY INDEX AMC	0.8	10.2%	45.9%	33
XS2452433597	ALD TRACKER ASTRA 25 IDX AMC 040327	TRACKER	CIRDAN CREDINVEST ASTRA 25 INDEX AMC	0.7	9.0%	54.9%	80
CH0599558779	LQ TRACKER ICE ECX FUT DEC22 221222	TRACKER	ICE ECX EMISSION FUTURE DEC22	0.3	4.5%	59.4%	6
DE000VN9EGH2	VON TRACKER SOLACTIVE 5G TECHPER 111228	TRACKER	SOLACTIVE 5G TECHNOLOGY PERFORMANCE-INDEX	0.3	4.5%	63.9%	11
XS1778816279	SGI BENCHMARK SP500T 4778 OP END	BENCHMARK	S&P 500 TRN USD	0.3	3.5%	67.4%	28
XS1778816352	SGI BENCHMARK NASDAQ 100 TRN 7666 OP END	BENCHMARK	NASDAQ 100 TRN	0.3	3.4%	70.8%	30
DE000VP2HYR0	VON TRACKER SOLHYDROGEN 100 OP END	TRACKER	SOLACTIVE HYDROGEN TOP SELECTION INDEX (NTR)	0.2	3.3%	74.0%	64

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