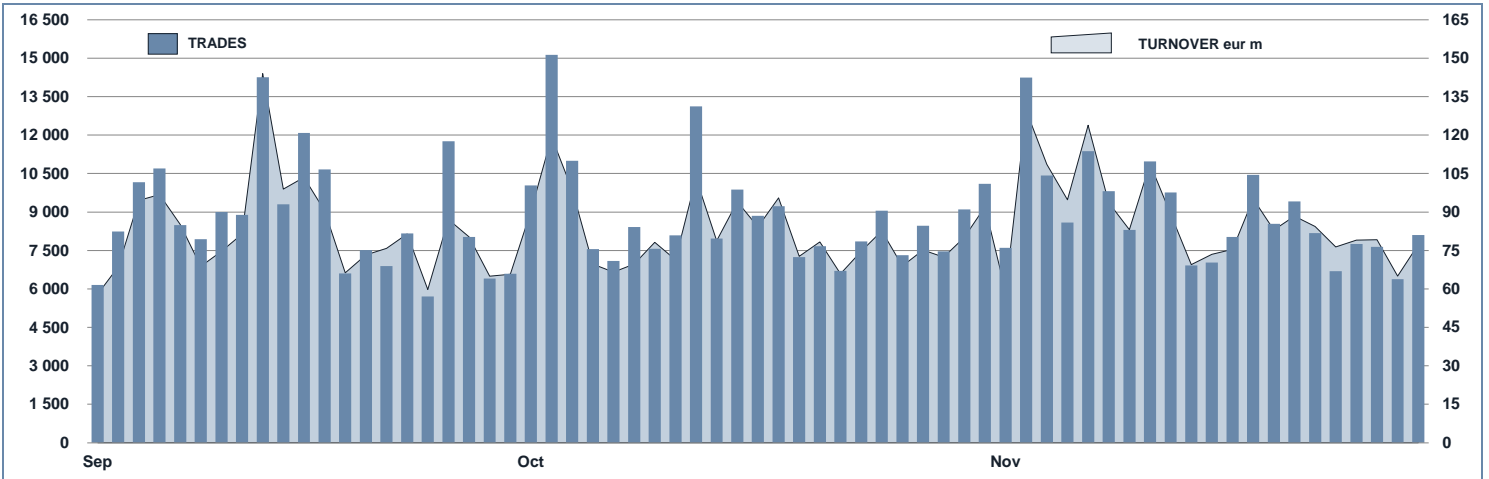




Sedex Statistics

November 2019

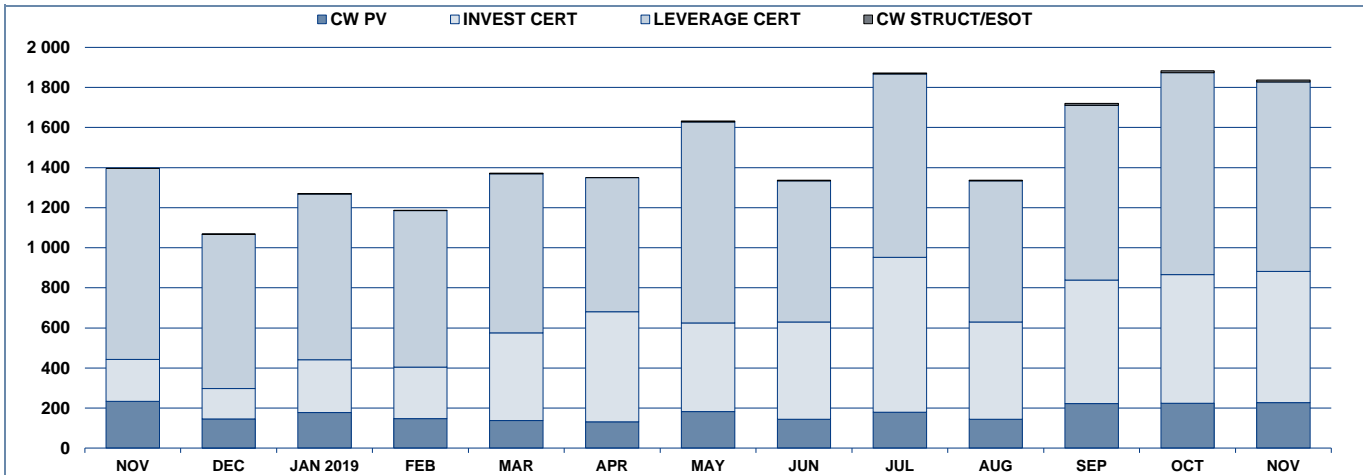
SECURITISED DERIVATIVES DAILY TURNOVER



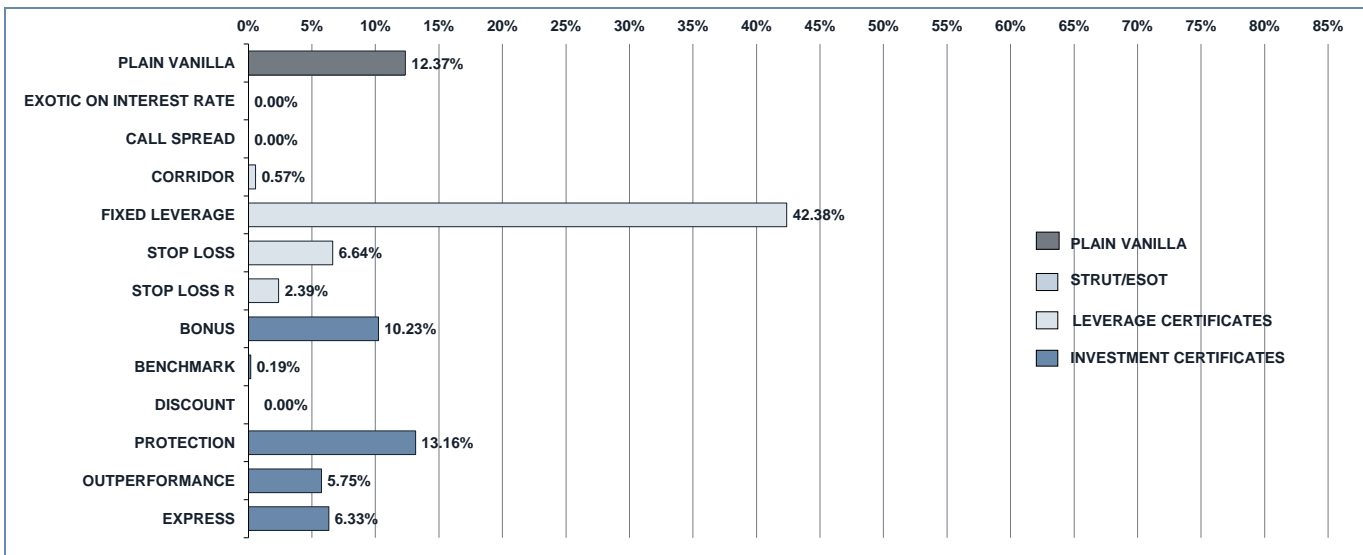
MAIN INDICATORS

	LISTED SeDeX					TRADING					
	DEC2018 LISTED	OCTOBER 2019 LISTED	OCTOBER 2019 MONTH NEW LISTED	NOVEMBER 2019 LISTED	NOVEMBER 2019 MONTH NEW LISTED	OCTOBER 2019 TRADES number	OCTOBER 2019 TURNOVER eur m	NOVEMBER 2019 TRADES number	NOVEMBER 2019 TURNOVER eur m	JAN-NOV 2019 TRADES number	JAN-NOV 2019 TURNOVER eur m
MARKET SEGMENTS											
CW PLAIN VANILLA	5 367	5 605	979	5 483	159	35 330	224.9	32 968	227.2	328 883	1 978.8
STRUCTURED/EXOTIC CW	224	416	196	469	100	1 893	9.2	1 709	10.6	10 411	50.1
LEVERAGE CERTIFICATES CLASS A	984	1 735	533	2 067	473	23 107	148.1	24 098	165.7	205 982	963.5
LEVERAGE CERTIFICATES CLASS B	344	592	18	603	12	104 293	859.2	88 376	778.4	1 037 654	8 641.4
INVESTMENT CERTIFICATES CLASS A	39	44	1	44	-	227	1.8	390	3.4	3 269	27.1
INVESTMENT CERTIFICATES CLASS B	1 557	1 647	100	1 673	95	40 017	639.2	38 660	651.6	338 039	5 387.9
of which CERTIFICATES IN DISTRIBUTION	-	-	-	-	-	-	-	-	-	-	-
TOTAL	8 515	10 039	1 827	10 339	839	204 867	1 882.3	186 201	1 837.0	1 924 238	17 048.7
UNDERLYING ASSETS											
DOMESTIC SHARES	4 429	5 067	1 069	5 148	350	40 472	279.7	43 322	292.5	360 280	2 120.5
DOMESTIC INDICES	1 457	1 278	120	1 251	72	87 808	820.9	68 939	751.5	890 735	8 549.5
FOREIGN SHARES	917	1 618	401	1 758	232	14 432	172.3	14 606	175.7	114 669	1 144.4
FOREIGN INDICES	969	1 095	114	1 206	143	30 787	400.1	24 818	384.3	262 265	3 215.2
COMMODITIES	202	431	71	434	25	23 400	104.3	24 786	99.9	224 476	942.3
INTEREST RATE	55	44	-	44	-	427	13.6	275	6.7	7 960	280.4
EXCHANGE RATE	278	265	41	269	8	1 241	8.7	919	7.2	10 865	86.1
OTHERS	208	241	11	229	9	6 300	82.7	8 536	119.1	52 988	710.3
TOTAL	8 515	10 039	1 827	10 339	839	204 867	1 882.3	186 201	1 837.0	1 924 238	17 048.7
ISSUERS											
BANCA AKROS	139	98	-	93	-	5 543	74.5	4 168	61.8	82 215	1 254.1
BANCA IMI	574	681	37	541	33	25 327	423.6	24 131	407.4	180 895	2 932.3
BANCA MONTE PASCHI SIENA	28	20	-	20	-	7	0.0	2	0.0	67	0.0
BNP PARIBAS ISSUANCE	1 125	1 561	196	1 785	341	29 222	173.9	26 635	159.2	276 107	1 582.7
CITIGROUP GLOBAL MARKETS FUNDING LU	1	1	-	-	-	-	-	-	-	-	-
COMMERZBANK	111	106	-	101	-	1 010	9.0	1 571	15.8	12 629	112.5
CREDIT AGRICOLE CIB FIN (GUERNSEY)	1	1	-	1	-	1	0.0	1	0.0	17	0.1
CREDIT AGRICOLE CIB FINANCIAL PROD	3	3	-	3	-	16	0.3	10	0.2	178	3.0
CREDIT AGRICOLE CIB FINANCIAL SOLUT	9	8	-	8	-	28	0.6	12	0.2	335	5.7
CREDIT AGRICOLE CORP AND INV BANK	2	2	-	2	-	9	0.1	14	0.2	226	3.7
CREDIT SUISSE	36	46	1	40	-	618	7.1	980	26.0	6 923	120.7
DEUTSCHE BANK AG	85	57	-	48	-	136	2.2	161	4.0	1 674	31.5
EXANE FINANCE	25	18	-	16	-	212	2.2	154	1.4	1 659	21.6
GOLDMAN SACHS FIN CORP INT	-	1	-	-	-	18	0.3	-	-	32	0.4
GOLDMAN SACHS INTERNATIONAL	73	38	-	38	-	499	7.6	651	15.7	4 144	57.4
INGBANK	4	2	-	2	-	395	5.7	263	3.5	2 118	25.8
JP MORGAN STRUCTURED PRODUCTS B.V	4	4	-	4	-	30	0.9	87	1.8	192	4.1
LEONTEQ SECURITIES	-	1	1	1	-	20	0.3	78	1.0	98	1.3
MORGAN STANLEY BV	4	4	-	4	-	35	0.6	40	0.5	527	8.8
NATIXIS STRUCTURED ISSUANCE	38	53	6	51	-	1 880	23.2	2 366	30.5	13 391	175.7
NATWEST MARKETS PLC	2	2	-	2	-	-	-	-	-	1	0.0
SOCIETE GENERALE	12	12	-	12	-	1	0.0	6	0.0	64	0.1
SOCIETE GENERALE EFFEKTEN	3	-	-	-	-	-	-	-	-	-	-
SOCIETE GENERALE ISSUER	1 422	2 045	577	1 979	-	85 353	635.4	72 715	561.2	818 519	5 729.5
UBS AG	11	21	1	20	-	815	12.1	1 010	13.9	6 595	95.9
UNICREDIT	-	2	-	2	-	4	0.1	7	0.2	15	0.3
UNICREDIT BANK	2 934	3 574	978	3 816	356	30 896	319.4	33 100	393.6	290 040	3 201.2
VONTOBEL FINANCIAL PRODUCTS GMBH	1 869	1 678	30	1 750	109	22 792	183.5	18 039	138.6	225 577	1 680.2
TOTAL	8 515	10 039	1 827	10 339	839	204 867	1 882.3	186 201	1 837.0	1 924 238	17 048.7

TURNOVER MONTHLY FIGURES - eur m



TURNOVER BY TYPOLOGIES MONTHLY FIGURES - eur m



MOST TRADED UNDERLYING ASSETS IN TERMS OF NUMBER OF TRADES

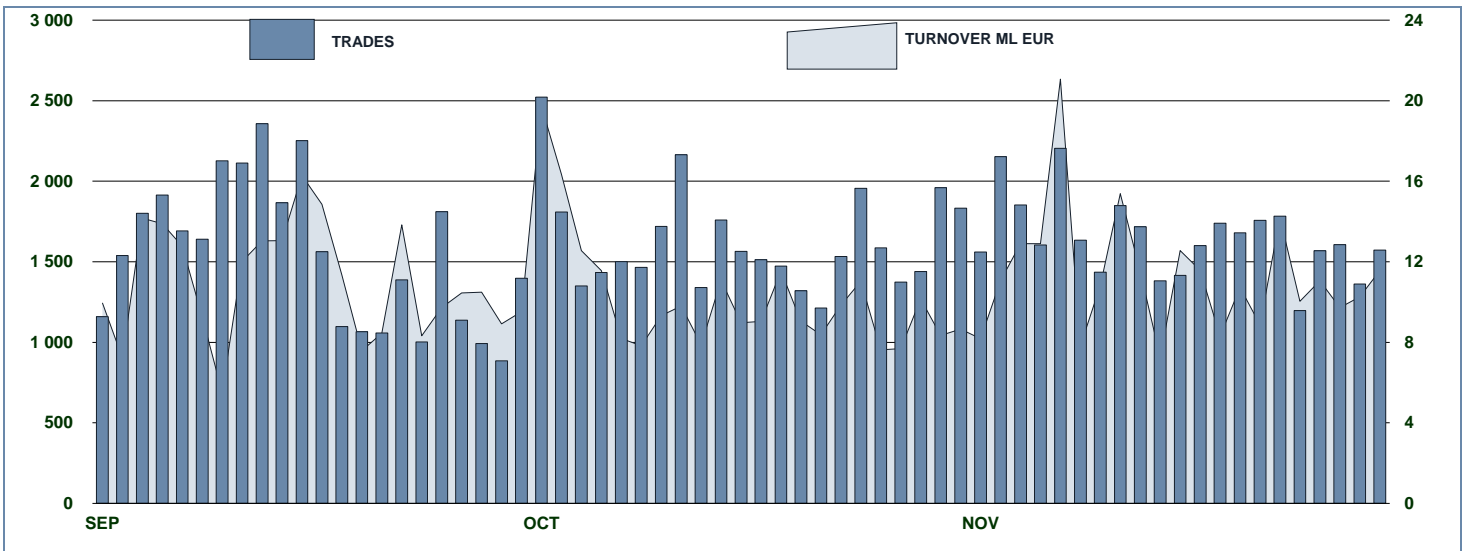
UNDERLYING ASSET	NOVEMBER 2019			
	TRADES			DAILY
	NUMBER	% TOT	% CUM	
FTSE MIB NET-OF-TAX (LUX) TR	24 788	13.31%	13.31%	1 180
FTSE MIB GROSS TR	20 396	10.95%	24.27%	971
FTSE MIB	13 814	7.42%	31.69%	658
FIAT CHRYSLER AUTOMOBILES	6 351	3.41%	35.10%	302
EURO STOXX 50	6 097	3.27%	38.37%	290
NATURAL GAS FUTURES X7 LEVE	5 926	3.18%	41.55%	282
EURO STOXX SELECT DIVIDEND :	5 323	2.86%	44.41%	253
UNICREDIT	5 207	2.80%	47.21%	248
ENEL	3 889	2.09%	49.30%	185
ENI	3 680	1.98%	51.27%	175

MOST TRADED UNDERLYING ASSETS IN TERMS OF TURNOVER

UNDERLYING ASSET	NOVEMBER 2019			
	TURNOVER			DAILY
	eur m	% TOT	% CUM	
FTSE MIB NET-OF-TAX (LUX) TR	267.84	14.58%	14.58%	12.75
FTSE MIB	191.62	10.43%	25.01%	9.12
FTSE MIB GROSS TR	145.84	7.94%	32.95%	6.94
EURO STOXX 50	117.10	6.37%	39.33%	5.58
EURO STOXX SELECT DIVIDEND :	103.78	5.65%	44.98%	4.94
FIAT CHRYSLER AUTOMOBILES	72.72	3.96%	48.93%	3.46
ITALIA LEVA 7 LONG	49.60	2.70%	51.63%	2.36
FUTURE SU FTSE MIB	29.46	1.60%	53.24%	1.40
ENEL	29.16	1.59%	54.83%	1.39
UNICREDIT	28.67	1.56%	56.39%	1.37

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

COVERED WARRANT



MAIN INDICATORS

	LISTED SeDeX					TRADING					
	DEC 2018 LISTED END of MONTH	OCTOBER 2019 LISTED END of MONTH	MONTH NEW LISTED	NOVEMBER 2019 LISTED END of MONTH	MONTH NEW LISTED	OCTOBER 2019 TRADES number	TURNOVER eur m	NOVEMBER 2019 TRADES number	TURNOVER eur m	JAN-NOV 2019 TRADES number	TURNOVER eur m
UNDERLYING ASSETS											
DOMESTIC SHARES	3 166	3 389	716	3 299	95	20 473	58.5	21 964	64.3	184 163	436.7
DOMESTIC INDICES	1 255	1 034	78	994	43	11 513	161.2	7 434	146.4	106 298	1 478.3
FOREIGN SHARES	401	801	237	820	55	3 142	10.1	3 579	22.1	27 892	63.7
FOREIGN INDICES	499	539	78	583	60	1 346	2.2	1 120	3.4	14 619	34.1
COMMODITIES	24	75	25	75	6	495	1.2	330	0.9	3 909	9.9
INTEREST RATE	37	29	-	29	-	7	0.0	2	0.0	70	0.0
EXCHANGE RATE	205	151	41	149	-	246	0.8	248	0.6	2 294	5.9
OTHERS	4	3	-	3	-	1	0.0	-	-	49	0.1
TOTAL	5 591	6 021	1 175	5 952	259	37 223	234.1	34 677	237.7	339 294	2 028.8
ISSUERS											
BANCA AKROS	9	9	-	9	-	-	-	-	-	3	0.0
BANCA IMI	427	357	-	200	-	3 715	5.7	3 573	6.7	37 837	56.4
BANCA MONTE PASCHI SIENA	28	20	-	20	-	7	0.0	2	0.0	67	0.0
BNP PARIBAS ISSUANCE	27	14	-	30	16	51	0.1	12	0.0	468	0.9
COMMERZBANK	4	3	-	3	-	-	-	-	-	48	0.1
NATIXIS STRUCTURED ISSUANCE	1	1	-	1	-	1	0.0	-	-	4	0.0
SOCIETE GENERALE	12	12	-	12	-	1	0.0	6	0.0	64	0.1
SOCIETE GENERALE ISSUER	1 273	1 772	576.0	1 707	-	4 003	14.4	3 596	21.0	31 062	86.7
UNICREDIT BANK	2 149	2 571	590.0	2 657	155	23 463	200.7	22 888	201.3	206 244	1 779.3
VONTobel FINANCIAL PRODUCTS GMBH	1 661	1 262	9.0	1 313	88	5 982	13.1	4 600	8.7	63 497	105.3
TOTAL	5 591	6 021	1 175.0	5 952	259	37 223	234.1	34 677	237.7	339 294	2 028.8
CALL/PUT											
CALL	3 456	3 598	614	3 444	70	26 845	203.6	22 670	202.6	245 433	1 790.5
PUT	1 911	2 007	365	2 039	89	8 485	21.2	10 298	24.6	83 450	188.3
EXPIRATION DATE											
EXPIRY < 3 MONTHS	1 560	2 349	153	2 081	16	25 348	68.8	22 518	72.4	211 161	482.2
3 MONTHS < EXPIRY < 6 MONTHS	1 643	1 276	260	1 326	78	3 749	7.2	5 453	15.3	51 085	101.9
6 MONTHS < EXPIRY < 12 MONTHS	1 602	1 408	556	1 545	148	2 260	6.7	2 874	8.9	22 810	48.9
12 MONTHS < EXPIRY < 24 MONTHS	396	660	206	672	17	3 218	77.8	2 388	76.3	28 307	587.1
24 MONTHS < EXPIRY < 60 MONTHS	173	144	-	144	-	2 522	71.0	1 353	63.1	25 352	798.5
EXPIRY MORE THAN 60 MONTHS	217	184	-	184	-	126	2.7	91	1.7	579	10.2

COVERED WARRANT

FIRST TEN COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2019 ON FTSE MIB INDEX

	ISIN	Issuer	Type	Strike	Underlying	Expiration Date	Turnover eur m	% TOT	% CUM	Trades
1	IT0004900715	UNICREDIT BANK	CALL	20 000.0	FTSE MIB	18/12/2020	73.73	50.36%	50.36%	1 615
2	IT0005015497	UNICREDIT BANK	CALL	20 000.0	FTSE MIB	17/12/2021	62.81	42.90%	93.26%	1 326
3	IT0005383770	BANCA IMI	PUT	20 000.0	FTSE MIB	19/06/2020	0.81	0.56%	93.81%	119
4	IT0005191306	UNICREDIT BANK	CALL	25 000.0	FTSE MIB	21/12/2029	0.55	0.38%	94.19%	20
5	IT0005178956	UNICREDIT BANK	CALL	27 000.0	FTSE MIB	20/12/2030	0.40	0.28%	94.47%	16
6	IT0005190837	UNICREDIT BANK	CALL	22 000.0	FTSE MIB	20/12/2019	0.33	0.23%	94.69%	36
7	DE000VNSBCB0	VONTOBEL FINANCIAL PRODUCTS GMBH	PUT	24 000.0	FTSE MIB	20/12/2019	0.26	0.18%	94.87%	97
8	IT0005288847	UNICREDIT BANK	CALL	25 000.0	FTSE MIB	20/12/2019	0.26	0.18%	95.05%	113
9	IT0005206542	UNICREDIT BANK	PUT	9 000.0	FTSE MIB	20/12/2030	0.24	0.16%	95.21%	14
10	DE000VNSAXP8	VONTOBEL FINANCIAL PRODUCTS GMBH	CALL	24 000.0	FTSE MIB	20/12/2019	0.24	0.16%	95.37%	90

FIRST TEN COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2019 ON ITALIAN STOCKS

	ISIN	Issuer	Type	Strike	Underlying	Expiration Date	Turnover eur m	% TOT	% CUM	Trades
1	DE000HV46KL5	UNICREDIT BANK	PUT	6.5	ENEL	19/12/2019	2.72	4.24%	4.24%	565
2	DE000HV46KH3	UNICREDIT BANK	CALL	7.2	ENEL	19/12/2019	2.31	3.59%	7.83%	571
3	DE000HV46KQ4	UNICREDIT BANK	CALL	7.5	ENEL	19/03/2020	2.19	3.41%	11.23%	439
4	DE000HV44TZ1	UNICREDIT BANK	PUT	5.5	TERNA	19/12/2019	2.11	3.28%	14.51%	453
5	DE000HV43CJ3	UNICREDIT BANK	PUT	13.0	ENI	19/12/2019	1.84	2.86%	17.37%	504
6	LU1910500617	SOCIETE GENERALE ISSUER	CALL	15.0	GENERALI	19/03/2020	1.82	2.83%	20.20%	96
7	DE000HV43DS2	UNICREDIT BANK	CALL	17.2	FIAT CHRYSLER AUTOMOBILES	19/12/2019	1.53	2.38%	22.57%	343
8	DE000HV43TB4	UNICREDIT BANK	PUT	4.0	SAIPEM	19/12/2019	1.45	2.25%	24.83%	386
9	DE000HV43CG9	UNICREDIT BANK	CALL	15.0	ENI	19/12/2019	1.41	2.19%	27.02%	397
10	DE000HV44KS5	UNICREDIT BANK	PUT	2.3	INTESA SANPAOLO	19/12/2019	1.17	1.82%	28.84%	365

FIRST TEN COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2019 ON OTHER UNDERLYINGS

	ISIN	Issuer	Type	Strike	Underlying	Expiration Date	Turnover eur m	% TOT	% CUM	Trades
1	DE000HV43TN9	UNICREDIT BANK	CALL	160.0	APPLE	18/12/2019	4.27	15.80%	15.80%	126
2	LU1910532909	SOCIETE GENERALE ISSUER	CALL	180.0	APPLE	20/12/2019	1.90	7.03%	22.83%	99
3	LU1969212817	SOCIETE GENERALE ISSUER	CALL	220.0	APPLE	20/12/2019	1.63	6.02%	28.84%	71
4	LU1910533113	SOCIETE GENERALE ISSUER	CALL	200.0	APPLE	20/12/2019	1.58	5.85%	34.69%	60
5	DE000HV45HQ2	UNICREDIT BANK	CALL	16.0	DEUTSCHE TELEKOM	18/12/2019	1.56	5.78%	40.47%	399
6	DE000HV43U50	UNICREDIT BANK	CALL	180.0	ALIBABA ADR	18/12/2019	1.54	5.70%	46.17%	107
7	DE000HV45N40	UNICREDIT BANK	CALL	200.0	APPLE	18/12/2019	1.23	4.55%	50.71%	51
8	IT0005309973	UNICREDIT BANK	CALL	13 000.0	DAX	20/12/2019	1.02	3.76%	54.48%	132
9	LU1910533386	SOCIETE GENERALE ISSUER	CALL	180.0	APPLE	20/03/2020	0.91	3.37%	57.85%	40
10	DE000VNSDFZ7	VONTOBEL FINANCIAL PRODUCTS GMBH	CALL	1 200.0	ALPHABET CLASSE C	20/12/2019	0.88	3.27%	61.12%	52

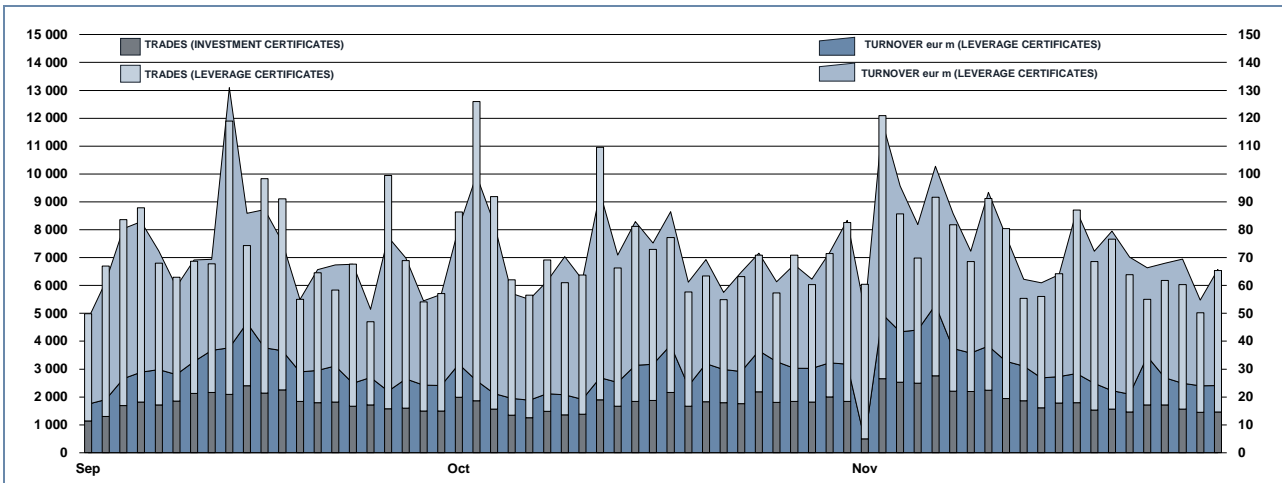
FIRST TEN EXOTIC COVERED WARRANT IN TERMS OF TURNOVER TRADED IN NOVEMBER 2019

	ISIN	Issuer	Type	Strike	Underlying	Expiration Date	Turnover eur m	% TOT	% CUM	Trades
1	LU2000238118	SOCIETE GENERALE ISSUER	ESOT	-	TENARIS	20/12/2019	1.02	9.64%	9.64%	36
2	LU1921183874	SOCIETE GENERALE ISSUER	ESOT	-	TENARIS	20/12/2019	0.88	8.38%	18.02%	83
3	LU2000238209	SOCIETE GENERALE ISSUER	ESOT	-	TENARIS	20/12/2019	0.76	7.15%	25.17%	63
4	LU2000239942	SOCIETE GENERALE ISSUER	ESOT	-	UNICREDIT	20/12/2019	0.70	6.66%	31.83%	13
5	LU1937512454	SOCIETE GENERALE ISSUER	ESOT	-	LEONARDO	20/12/2019	0.52	4.95%	36.78%	18
6	LU2000237656	SOCIETE GENERALE ISSUER	ESOT	-	LEONARDO	20/12/2019	0.51	4.84%	41.62%	47
7	LU1921184336	SOCIETE GENERALE ISSUER	ESOT	-	UNICREDIT	20/12/2019	0.45	4.26%	45.88%	22
8	LU1946473870	SOCIETE GENERALE ISSUER	ESOT	-	DAX	20/12/2019	0.37	3.55%	49.43%	23
9	LU1921179849	SOCIETE GENERALE ISSUER	ESOT	-	ENI	20/12/2019	0.30	2.85%	52.28%	18
10	LU1946269914	SOCIETE GENERALE ISSUER	ESOT	-	UNICREDIT	20/12/2019	0.27	2.52%	54.81%	20

DISTRIBUTION OF TRADING BY SIZE OF TRADES

SIZE OF TRADE (eur)		OCTOBER 2019		NOVEMBER 2019		JAN-NOV 2019			
		Trades	eur m	Trades	eur m	Trades	% TOT	eur m	% TOT
0	250	9 367	0.9	9 334	0.9	92 082	27.14%	8.4	0.42%
250	500	4 536	1.6	3 940	1.4	43 584	12.85%	15.8	0.78%
500	1 000	4 363	3.1	3 852	2.7	43 095	12.70%	30.4	1.50%
1 000	2 000	4 006	5.7	3 407	4.8	37 642	11.09%	53.4	2.63%
2 000	3 000	2 268	5.6	1 804	4.4	21 577	6.36%	52.6	2.59%
3 000	4 000	2 070	7.1	1 622	5.6	17 158	5.06%	58.9	2.90%
4 000	5 000	2 111	9.4	1 969	8.8	14 460	4.28%	63.8	3.14%
5 000	10 000	3 708	23.9	5 051	34.2	28 976	8.54%	195.5	9.63%
10 000	15 000	598	7.2	670	8.0	4 401	1.30%	52.4	2.58%
15 000	20 000	257	4.5	334	5.7	2 447	0.72%	42.8	2.11%
20 000	25 000	303	6.7	158	3.5	2 368	0.70%	53.7	2.65%
25 000	50 000	3 046	120.5	592	21.7	21 755	6.41%	788.6	38.87%
50 000	75 000	520	30.9	1 581	102.2	9 166	2.70%	556.3	27.42%
75 000	150 000	63	5.5	362	33.6	559	0.16%	50.9	2.51%
150 000		7	1.4	1	0.2	24	0.01%	5.4	0.27%

CERTIFICATES

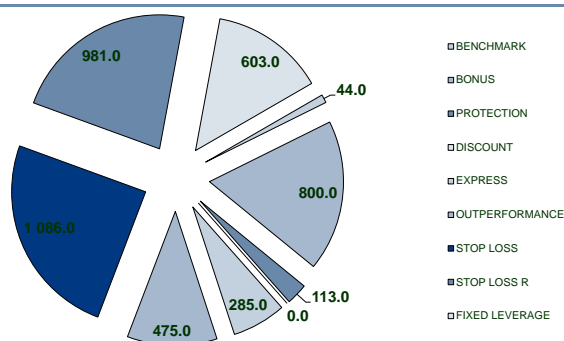


MAIN INDICATORS

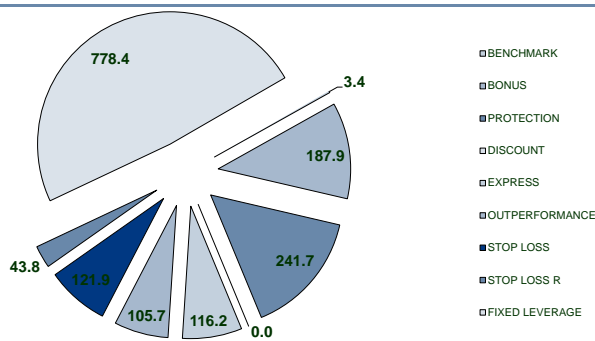
	LISTED SeDeX					TRADING						
	DEC 2018		OCTOBER 2019		NOVEMBER 2019		OCTOBER 2019		NOVEMBER 2019		JAN-NOV 2019	
	LISTED END of MONTH	LISTED END of MONTH	MONTH NEW LISTED	LISTED END of MONTH	MONTH NEW LISTED	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	TRADES number	TURNOVER eur m	
LEVERAGE CERTIFICATES CLASS A - UNDERLYING ASSETS												
DOMESTIC SHARES	457	837	306	1 001	229	8 958	92.7	12 186	117.9	76 276	454.5	
DOMESTIC INDICES	111	145	40	154	24	5 739	16.2	4 740	15.0	60 874	226.0	
FOREIGN SHARES	113	293	132	397	125	2 293	6.5	3 081	15.7	21 018	85.1	
FOREIGN INDICES	183	216	27	271	68	4 670	28.0	2 644	13.0	35 927	149.9	
COMMODITIES	68	158	28	161	19	1 260	4.1	1 324	3.8	10 190	41.7	
INTEREST RATE	-	-	-	-	-	-	-	-	-	-	-	
EXCHANGE RATE	52	86	-	93	8	187	0.6	123	0.3	1 697	6.2	
OTHERS	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	984	1 735	533	2 067	473	23 107	148.1	24 098	165.7	205 982	963.5	
LEVERAGE CERTIFICATES CLASS B - UNDERLYING ASSETS												
DOMESTIC SHARES	64	112	-	112	4	2 852	22.0	2 161	14.1	21 899	177.7	
DOMESTIC INDICES	38	50	-	53	-	68 885	614.2	55 111	559.8	700 931	6 418.8	
FOREIGN SHARES	42	102	-	102	-	894	7.1	970	6.6	6 069	33.2	
FOREIGN INDICES	88	129	-	137	8	9 460	102.9	6 626	94.8	88 161	816.9	
COMMODITIES	94	184	18	184	-	21 643	99.0	23 131	95.2	210 314	890.1	
INTEREST RATE	14	11	-	11	-	403	13.2	265	6.6	7 624	274.9	
EXCHANGE RATE	4	4	-	4	-	156	0.8	112	1.3	2 656	29.8	
OTHERS	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	344	592	18	603	12	104 293	859.2	88 376	778.4	1 037 654	8 641.4	
INVESTMENT CERTIFICATES - UNDERLYING ASSETS												
DOMESTIC SHARES	742	729	47	736	26	8 189	106.5	7 011	96.2	77 942	1 051.6	
DOMESTIC INDICES	53	49	2	50	1	1 671	29.2	1 654	30.3	22 632	426.4	
FOREIGN SHARES	361	422	32	449	52	8 103	148.7	6 976	131.3	59 690	962.4	
FOREIGN INDICES	199	211	9	215	7	15 311	267.0	14 428	273.1	123 558	2 214.2	
COMMODITIES	16	14	-	14	-	2	0.0	1	0.0	63	0.6	
INTEREST RATE	4	4	-	4	-	17	0.4	8	0.1	266	5.5	
EXCHANGE RATE	17	24	-	23	-	652	6.5	436	5.1	4 218	44.1	
OTHERS	204	238	11	226	9	6 299	82.7	8 536	119.1	52 939	710.2	
TOTAL	1 596	1 691	101	1 717	95	40 244	641.0	39 050	655.1	341 308	5 414.9	
LEVERAGE CERTIFICATES CLASS A - ISSUERS												
BNP PARIBAS ISSUANCE	820	1 214	145	1 416	302	21 455	100.3	17 962	63.3	193 249	688.9	
UNICREDIT BANK	164	521	388	651	171	1 652	47.8	6 136	102.5	12 733	274.6	
TOTAL	984	1 735	533	2 067	473	23 107	148.1	24 098	165.7	205 982	963.5	
LEVERAGE CERTIFICATES CLASS B - ISSUERS												
BNP PARIBAS ISSUANCE	14	24	10	36	12	4 051	35.8	4 261	45.9	52 152	595.4	
COMMERZBANK	8	8	-	8	-	25	0.2	28	0.0	1 145	1.5	
DEUTSCHE BANK AG	4	-	-	-	-	-	-	-	-	5	0.0	
SOCIETE GENERALE ISSUER	60	117	1	117	-	80 220	607.5	68 398	532.0	779 242	5 555.9	
UNICREDIT BANK	66	66	-	65	-	3 472	47.7	2 645	73.7	45 845	934.8	
VONTOBEL FINANCIAL PRODUCTS GMBH	192	377	7	377	-	16 525	168.0	13 044	126.8	159 265	1 553.9	
TOTAL	344	592	18	603	12	104 293	859.2	88 376	778.4	1 037 654	8 641.4	
INVESTMENT CERTIFICATES - ISSUERS												
BANCA AKROS	130	89	-	84	-	5 543	74.5	4 168	61.8	82 212	1 254.1	
BANCA IMI	147	324	37	341	33	21 612	417.9	20 558	400.7	143 058	2 876.0	
BNP PARIBAS ISSUANCE	264	309	41	303	11	3 665	37.7	4 400	50.1	30 238	297.6	
CITIGROUP GLOBAL MARKETS FUNDING	1	1	-	-	-	-	-	-	-	-	-	
COMMERZBANK	99	95	-	90	-	985	8.8	1 543	15.8	11 436	110.9	
CREDIT AGRICOLE CIB FIN (GUERNSEY)	1	1	-	1	-	1	0.0	1	0.0	17	0.1	
CREDIT AGRICOLE CIB FINANCIAL PROD	3	3	-	3	-	16	0.3	10	0.2	178	3.0	
CREDIT AGRICOLE CIB FINANCIAL SOLU	9	8	-	8	-	28	0.6	12	0.2	335	5.7	
CREDIT AGRICOLE CORP AND INV BANK	2	2	-	2	-	9	0.1	14	0.2	226	3.7	
CREDIT SUISSE	36	46	1	40	-	618	7.1	980	26.0	6 923	120.7	
DEUTSCHE BANK AG	81	57	-	48	-	136	2.2	161	4.0	1 669	31.5	
EXANE FINANCE	25	18	-	16	-	212	2.2	154	1.4	1 659	21.6	
GOLDMAN SACHS FIN CORP INT	-	1	-	-	-	18	0.3	-	-	32	0.4	
GOLDMAN SACHS INTERNATIONAL	73	38	-	38	-	499	7.6	651	15.7	4 144	57.4	
INGBANK	4	2	-	2	-	395	5.7	263	3.5	2 118	25.8	
JP MORGAN STRUCTURED PRODUCTS E	4	4	-	4	-	30	0.9	87	1.8	192	4.1	
LEONTEQ SECURITIES	-	1	1	1	-	20	0.3	78	1.0	98	1.3	
MORGAN STANLEY BV	4	4	-	4	-	35	0.6	40	0.5	527	8.8	
NATIXIS STRUCTURED ISSUANCE	37	52	6	50	-	1 879	23.2	2 366	30.5	13 387	175.6	
NATWEST MARKETS PLC	2	2	-	2	-	-	-	-	-	1	0.0	
SOCIETE GENERALE EFFETKEN	3	-	-	-	-	-	-	-	-	-	-	
SOCIETE GENERALE ISSUER	89	156	-	155	-	1 130	13.5	721	8.2	8 215	86.9	
UBS AG	11	21	1	20	-	815	12.1	1 010	13.9	6 595	95.9	
UNICREDIT	-	2	-	2	-	4	0.1	7	0.2	15	0.3	
UNICREDIT BANK	555	416	-	443	30	2 309	23.2	1 431	16.2	25 218	212.5	
VONTOBEL FINANCIAL PRODUCTS GMBH	16	39	14	60	21	285	2.3	395	3.1	2 815	21.0	
TOTAL	1 596	1 691	101	1 717	95	40 244	641.0	39 050	655.1	341 308	5 414.9	

CERTIFICATES

NUMBER OF LISTED CERTIFICATES



TURNOVER BY TYPOLOGIES - eur m



MAIN INDICATORS

LISTED SeDeX

DEC 2018	OCTOBER 2019	NOVEMBER 2019	
LISTED	LISTED	LISTED	MONTH
END of MONTH	END of MONTH	END of MONTH	NEW LISTED

TRADING

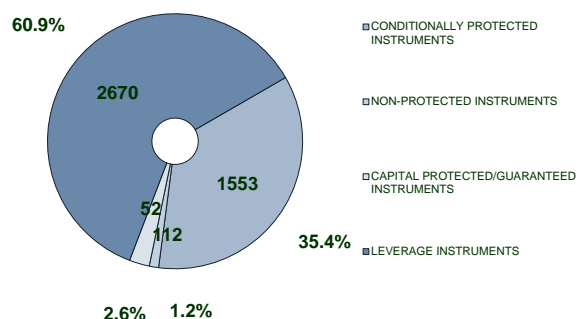
OCTOBER 2019		NOVEMBER 2019		JAN-NOV 2019	
TRADES	TURNOVER	TRADES	TURNOVER	TRADES	TURNOVER
number	eur m	number	eur m	number	eur m

CERTIFICATES - TYPOLOGY

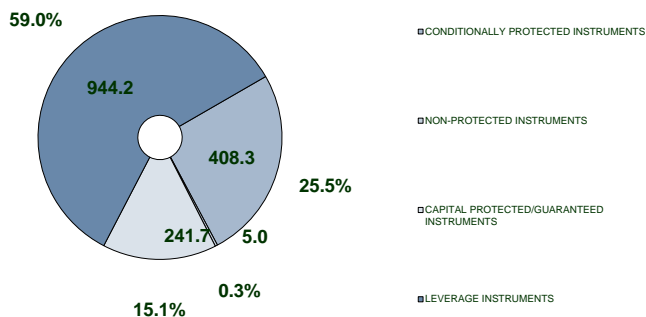
	DEC 2018	OCTOBER 2019	NOVEMBER 2019		OCTOBER 2019	NOVEMBER 2019	JAN-NOV 2019				
	LISTED	LISTED	LISTED	MONTH	TRADES	TURNOVER	TRADES	TURNOVER			
	END of MONTH	END of MONTH	END of MONTH	NEW LISTED	number	eur m	number	eur m			
BENCHMARK (*)	39	44	1	44	-	227	1.8	390	3.4	3 269	27.1
BONUS	735	771	75	800	47	10 964	212.9	9 152	187.9	76 749	1 393.3
PROTECTION	127	114	3	113	2	14 340	252.9	12 965	241.7	138 220	2 458.7
DISCOUNT	-	-	-	-	-	-	-	-	-	-	-
EXPRESS	270	285	10	285	13	7 241	88.7	8 722	116.2	60 086	743.4
OUTPERFORMANCE	425	477	12	475	33	7 472	84.7	7 821	105.7	62 984	792.5
STOP LOSS	231	768	472	1 086	402	13 874	59.0	17 039	121.9	134 020	496.4
STOP LOSS R	753	967	61	981	71	9 233	89.1	7 059	43.8	71 962	467.1
FIXED LEVERAGE	344	592	18	603	12	104 293	859.2	88 376	778.4	1 037 654	8 641.4
CERTIFICATES IN DISTRIBUTIO	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2 924	4 018	652	4 387	580	167 644	1 648.3	151 524	1 599.2	1 584 944	15 019.9

(*) Open end and Quanto are included

NUMBER OF LISTED CERTIFICATES BY ACEPI CLASS



TURNOVER BY ACEPI CLASS



DISTRIBUTION OF TRADING BY SIZE OF TRADES

SIZE OF TRADE (eur)	OCTOBER 2019		NOVEMBER 2019		JAN-NOV 2019				
	Trades	eur m	Trades	eur m	Trades	% TOT	eur m	% TOT	
-	250	9 838	1.2	9 469	1.1	100 611	6.35%	12.4	0.08%
250	500	9 213	3.4	9 031	3.4	93 051	5.87%	34.8	0.23%
500	1 000	15 924	11.8	12 862	9.6	156 499	9.87%	116.3	0.77%
1 000	2 000	22 421	32.3	19 055	27.5	224 690	14.18%	326.0	2.17%
2 000	3 000	14 259	35.1	11 705	28.6	136 228	8.60%	335.1	2.23%
3 000	4 000	9 701	33.4	8 631	29.8	94 026	5.93%	324.0	2.16%
4 000	5 000	8 452	38.6	8 575	38.9	83 861	5.29%	381.1	2.54%
5 000	10 000	24 948	177.2	22 770	164.9	236 704	14.93%	1 702.7	11.34%
10 000	15 000	19 075	233.9	15 478	185.3	176 063	11.11%	2 177.0	14.49%
15 000	20 000	14 130	232.3	13 891	234.6	111 123	7.01%	1 845.5	12.29%
20 000	25 000	5 472	118.3	5 937	129.5	45 134	2.85%	983.8	6.55%
25 000	50 000	8 894	305.6	8 786	299.4	78 213	4.93%	2 699.0	17.97%
50 000	75 000	3 104	179.4	2 638	151.0	25 878	1.63%	1 511.3	10.06%
75 000	150 000	1 979	195.4	2 496	248.4	20 270	1.28%	2 010.5	13.39%
150 000		234	50.1	200	47.3	2 593	0.16%	560.3	3.73%

