

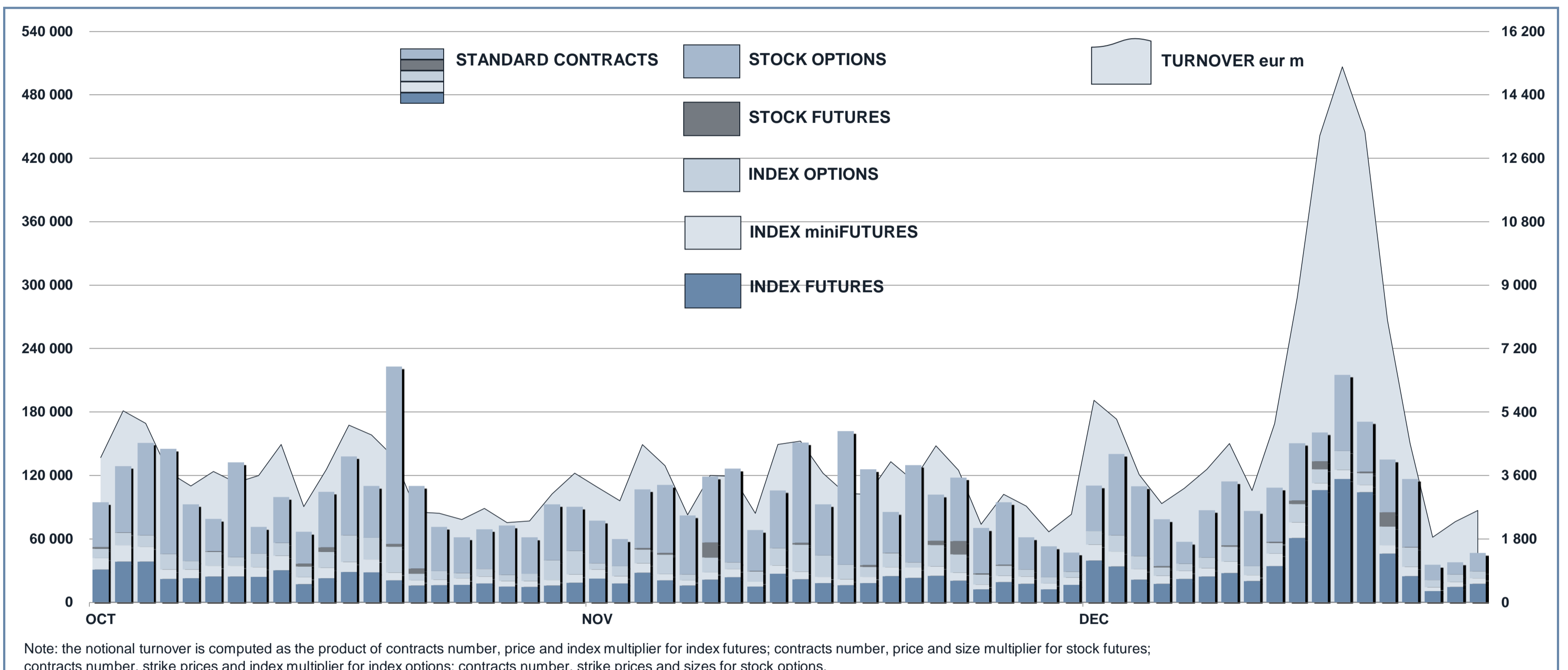


Borsa Italiana

IDEM Statistics

December 2019

EQUITY DERIVATIVES TRADING



MONTHLY TURNOVER

	OCTOBER 2019		NOVEMBER 2019		DECEMBER 2019		TOTAL 2018		JAN - DEC 2019		
	STANDARD CONTRACTS	TURNOVER eur ML	STANDARD CONTRACTS	TURNOVER eur ML	STANDARD CONTRACTS	TURNOVER eur ML	STANDARD CONTRACTS	TURNOVER eur ML	STANDARD CONTRACTS	TURNOVER eur ML	OPEN INTEREST
FTSE MIB INDEX FUTURES	523 409	57 569.6	411 260	48 091.5	734 746	85 928.8	8 370 173	894 641.8	6 768 585	721 547.7	128 818
FTSE ITALIA PIR MID CAP TR INDEX FUTURES	-	-	2 937	82.7	6 782	193.3	15 413	404.8	22 079	594.9	2 773
FTSE MIB DIVIDEND INDEX FUTURES	4 009	19.1	2 273	11.1	1 250	6.2	19 532	78.5	28 381	125.9	7 032
TOTAL INDEX FUTURES	527 418	57 588.7	416 470	48 185.3	742 778	86 128.4	8 405 118	895 125.0	6 819 045	722 268.5	138 623
FTSE MIB INDEX miniFUTURES	201 470	4 428.9	142 513	3 331.8	157 966	3 677.1	3 837 339	81 941.7	2 365 666	49 960.7	5 110
TOTAL INDEX miniFUTURES	201 470	4 428.9	142 513	3 331.8	157 966	3 677.1	3 837 339	81 941.7	2 365 666	49 960.7	5 110
FTSE MIB INDEX OPTIONS	255 815	13 636.8	234 353	13 229.3	196 146	11 291.5	3 591 941	189 295.5	2 722 027	141 727.1	267 519
FTSE MIB INDEX WEEKLY OPTIONS	27 423	1 511.2	21 739	1 259.3	19 277	1 116.5	206 599	10 981.2	256 975	13 734.2	2 066
TOTAL FTSE MIB INDEX OPTIONS	283 238	15 148.0	256 092	14 488.7	215 423	12 408.0	3 798 540	200 276.7	2 979 002	155 461.3	269 585
ITALIAN STOCK FUTURES	17 904	67.8	38 926	131.0	30 312	113.2	1 254 468	3 508.5	1 473 331	3 876.7	58 143
EUROPEAN STOCK FUTURES	21 000	100.4	-	-	309 958	1 157.1	1 860 072	8 626.7	2 365 064	8 319.4	129 311
STOCK DIVIDEND FUTURES	1 905	0.5	690	0.4	10	0.0	17 810	6.2	39 105	12.8	21 560
TOTAL STOCK FUTURES	40 809	168.7	39 616	131.3	340 280	1 270.4	3 132 350	12 141.3	3 877 500	12 208.9	209 014
STOCK OPTIONS	1 312 834	4 516.0	1 213 649	4 262.6	812 116	3 283.8	17 022 994	55 079.2	14 626 347	46 818.2	3 823 548
WEEKLY STOCK OPTIONS	1 537	5.6	5 926	20.5	3 829	16.4	38 976	247.6	33 924	118.9	486
TOTAL STOCK OPTIONS	1 314 371	4 521.6	1 219 575	4 283.1	815 945	3 300.2	17 061 970	55 326.8	14 660 271	46 937.1	3 824 034
TOTAL EQUITY DERIVATIVES	2 367 306	81 855.8	2 074 266	70 420.2	2 272 392	106 784.1	36 235 317	1 244 811.6	30 701 484	986 836.5	4 446 366

IDEM - EQUITY DERIVATIVES TURNOVER - Stock Futures

	DAYS	STANDARD CONTRACTS		TURNOVER		% TOT SHARES (**)	OPEN INTEREST (***)
		TURNOVER eur m (*)		TURNOVER eur m (*)			
		TOTAL	DAILY AVG	TOTAL	DAILY AVG		
ITALIAN STOCK FUTURES							
A2A	18	120	7	1.0	0.1	0.3%	120
ACEA	18	-	-	-	-	0.0%	-
ANIMA HOLDING	18	-	-	-	-	0.0%	-
ATLANTIA	18	-	-	-	-	0.0%	-
AUTOGRILL	18	-	-	-	-	0.0%	-
AZIMUT HOLDING	18	1 098	61	12.0	0.7	2.2%	1 112
BANCA GENERALI	18	-	-	-	-	0.0%	-
BANCA MEDIOLANUM	18	10	1	0.0	0.0	0.0%	-
BANCA MONTE PASCHI SIENA	18	1	0	0.0	0.0	0.0%	3
BANCO BPM	18	30	2	0.1	0.0	0.0%	1 525
BPER BANCA	18	430	24	1.9	0.1	0.8%	430
BREMBO	18	-	-	-	-	0.0%	-
BUZZI UNICEM	18	-	-	-	-	0.0%	-
CAMPARI	18	-	-	-	-	0.0%	-
CATTOLICA ASSICURAZIONI	18	-	-	-	-	0.0%	-
CIR	18	-	-	-	-	0.0%	-
CNH INDUSTRIAL	18	-	-	-	-	0.0%	-
ENEL	18	1 641	91	5.6	0.3	0.2%	901
ENI	18	2 247	125	15.5	0.9	0.5%	1 855
ERG	18	-	-	-	-	0.0%	-
EXOR	18	25	1	0.2	0.0	0.0%	-
FERRARI	18	77	4	1.1	0.1	0.1%	32
FIAT CHRYSLER AUTOMOBILES	18	80	4	0.5	0.0	0.0%	50
FINCOBANK	18	-	-	-	-	0.0%	-
GENERALI	18	17 501	972	32.2	1.8	2.6%	32 502
GEOX	18	-	-	-	-	0.0%	-
HERA	18	-	-	-	-	0.0%	-
INTESA SANPAOLO	18	180	10	0.4	0.0	0.0%	15 030
IREN	18	-	-	-	-	0.0%	-
ITALGAS	18	-	-	-	-	0.0%	-
LEONARDO	18	-	-	-	-	0.0%	-
MEDIASET	18	-	-	-	-	0.0%	-
MEDIOBANCA	18	600	33	3.0	0.2	0.4%	-
MONCLER	18	-	-	-	-	0.0%	-
NEXI	18	-	-	-	-	0.0%	-
PIRELLI & C	18	500	28	1.3	0.1	0.6%	-
POSTE ITALIANE	18	-	-	-	-	0.0%	-
PRYSMIAN	18	-	-	-	-	0.0%	-
SAIPEM	18	21	1	0.1	0.0	0.0%	27
SARAS	18	-	-	-	-	0.0%	-
SNAM	18	4	0	0.0	0.0	0.0%	-
STMICROELECTRONICS	18	43	2	0.5	0.0	0.0%	18
TECHNOGYM	18	-	-	-	-	0.0%	-
TELECOM ITALIA	18	27	2	0.0	0.0	0.0%	1
TELECOM ITALIA RSP	18	15	1	0.0	0.0	0.0%	-
TENARIS	18	-	-	-	-	0.0%	-
TERNA	18	-	-	-	-	0.0%	-
TOD'S	18	-	-	-	-	0.0%	-
UBI BANCA	18	-	-	-	-	0.0%	-
UNICREDIT	18	5 657	314	37.7	2.1	0.9%	4 532
UNIPOL	18	-	-	-	-	0.0%	-
UNIPOLSAI	18	5	0	0.0	0.0	0.0%	5
EUROPEAN STOCK FUTURES							
BANCO SANTANDER	18	-	-	-	-	-	-
BBVA	18	-	-	-	-	-	-
BNP PARIBAS	18	88 008	4 889	469.9	26.1	-	61 311
DEUTSCHE BANK	18	-	-	-	-	-	-
IBERDROLA	18	-	-	-	-	-	-
REPSOL	18	-	-	-	-	-	-
SOCIETE GENERALE	18	221 950	12 331	687.3	38.2	-	68 000
TELEFONICA	18	-	-	-	-	-	-
STOCK DIVIDEND FUTURES							
ASSICURAZIONI GENERALI DIVIDEND	18	-	-	-	-	-	10
AXA DIVIDEND	18	10	1	0.0	0.0	-	10
BANCO BILBAO VIZCAYA ARGENTARIA DIVIDEND	18	-	-	-	-	-	-
BANCO SANTANDER DIVIDEND	18	-	-	-	-	-	-
BNP DIVIDEND	18	-	-	-	-	-	-
DAIMLER DIVIDEND	18	-	-	-	-	-	25
DEUTSCHE TELEKOM DIVIDEND	18	-	-	-	-	-	80
ENEL DIVIDEND	18	-	-	-	-	-	3 790
ENGIE DIVIDEND	18	-	-	-	-	-	-
ENI DIVIDEND	18	-	-	-	-	-	555
FIAT CHRYSLER AUTOMOBILES DIVIDEND	18	-	-	-	-	-	4 775
IBERDROLA DIVIDEND	18	-	-	-	-	-	20
INTESA SANPAOLO DIVIDEND	18	-	-	-	-	-	8 300
ORANGE DIVIDEND	18	-	-	-	-	-	-
POSTE ITALIANE DIVIDEND	18	-	-	-	-	-	-
SANOFI-AVENTIS DIVIDEND	18	-	-	-	-	-	5
SIEMENS DIVIDEND	18	-	-	-	-	-	20
SNAM DIVIDEND	18	-	-	-	-	-	-
SOCGEN DIVIDEND	18	-	-	-	-	-	40
TELECOM ITALIA DIVIDEND	18	-	-	-	-	-	-
TELEFONICA DIVIDEND	18	-	-	-	-	-	-
TERNA DIVIDEND	18	-	-	-	-	-	-
TOTAL DIVIDEND	18	-	-	-	-	-	-
UNICREDIT DIVIDEND	18	-	-	-	-	-	3 930
VIVENDI DIVIDEND	18	-	-	-	-	-	-

(*) The notional turnover is computed as the product of contracts number, strike prices and sizes for options and as the product of contracts number, prices and sizes for futures.

(**) As percentage on shares turnover (underlying shares).

(***) Open positions at the end of period. Gross figures both for options and futures.

IDEM - EQUITY DERIVATIVES TURNOVER - Stock Options

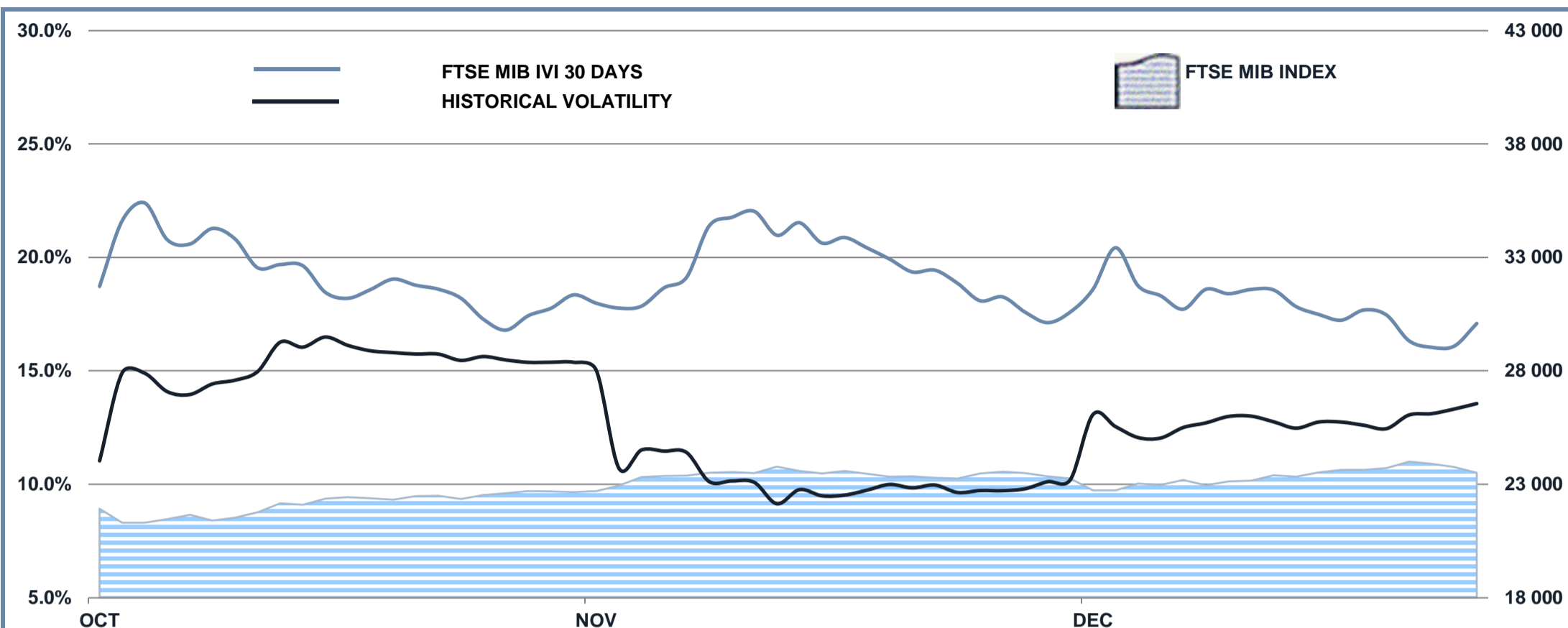
	DAYS	STANDARD CONTRACTS		TURNOVER		% TOT SHARES (**)	OPEN INTEREST (***)
		TURNOVER eur m (*)		TURNOVER eur m (*)			
		TOTAL	DAILY AVG	TOTAL	DAILY AVG		
STOCK OPTIONS							
A2A	18	4 320	240	35.7	2.0	10.7%	4 563
ACEA	18	85	5	0.8	0.0	1.9%	51
AMPLIFON	18	42	2	0.5	0.0	0.2%	191
ANIMA HOLDING	18	497	28	1.1	0.1	0.9%	8 064
ASTM	18	42	2	0.1	0.0	0.2%	18
ATLANTIA	18	5 735	319	60.0	3.3	6.7%	12 384
AUTOGRILL	18	2 203	122	10.1	0.6	13.6%	2 216
AZIMUT HOLDING	18	5 329	296	54.1	3.0	10.1%	17 796
BANCA GENERALI	18	412	23	1.2	0.1	0.4%	831
BANCA IFIS	18	75	4	0.1	0.0	0.1%	279
BANCA MEDIOLANUM	18	2 438	135	10.7	0.6	6.6%	2 445
BANCA MONTE PASCHI SIENA	18	4 365	243	1.2	0.1	2.4%	13 125
BANCA POPOLARE SONDRIO	18	52	3	0.1	0.0	0.2%	60
BANCO BPM	18	18 957	1 053	40.2	2.2	5.6%	33 273
BPER BANCA	18	355	20	1.6	0.1	0.7%	6 874
BREMBO	18	115	6	0.6	0.0	0.5%	579
BRUNELLO CUCINELLI	18	25	1	0.1	0.0	0.2%	43
BUZZI UNICEM	18	438	24	1.0	0.1	0.3%	878
CAMPARI	18	298	17	2.5	0.1	0.9%	522
CATTOLICA ASSICURAZIONI	18	133	7	0.1	0.0	0.1%	443
CERVED GROUP	18	5	0	0.0	0.0	0.0%	174
CIR	18	-	-	-	-	0.0%	4
CNH INDUSTRIAL	18	1 336	74	6.6	0.4	1.4%	3 036
CREDITO VALTELLINESE	18	-	-	-	-	0.0%	-
DANIELI & C	18	54	3	0.1	0.0	0.6%	180
DE' LONGHI	18	127	7	1.2	0.1	3.2%	225
DIASORIN	18	84	5	1.0	0.1	0.3%	257
ENEL	18	135 610	7 534	440.8	24.5	12.6%	504 448
ENI	18	85 968	4 776	577.1	32.1	20.1%	302 351
ERG	18	348	19	3.7	0.2	3.4%	978
EXOR	18	1 809	101	12.2	0.7	2.9%	3 000
FALCK RENEWABLES	18	44	2	0.1	0.0	0.2%	11
FERRARI	18	3 140	174	45.4	2.5	4.7%	10 025
FIAT CHRYSLER AUTOMOBILES	18	42 404	2 356	294.3	16.4	14.3%	171 347
FINCANTIERI	18	7	0	0.0	0.0	0.0%	364
FINECOBANK	18	5 173	287	29.4	1.6	5.8%	5 708
GENERALI	18	105 942	5 886	178.7	9.9	14.2%	645 304
GEOX	18	64	4	0.0	0.0	0.3%	177
HERA	18	30	2	0.1	0.0	0.0%	292
IMA	18	62	3	0.2	0.0	0.3%	125
INTERPUMP GROUP	18	24	1	0.1	0.0	0.1%	354
INTESA SANPAOLO	18	173 071	9 615	399.9	22.2	10.6%	1 161 710
INWIT	18	4	0	0.0	0.0	0.0%	19
IREN	18	18	1	0.0	0.0	0.1%	85
ITALGAS	18	3 717	207	20.3	1.1	7.1%	3 251
JUVENTUS FOOTBALL CLUB	18	747	42	1.0	0.1	0.5%	410
LEONARDO	18	3 286	183	19.0	1.1	4.2%	9 369
MAIRE TECNIMONT	18	65	4	0.2	0.0	0.3%	80
MEDIASET	18	1 502	83	4.2	0.2	6.2%	5 426
MEDIOBANCA	18	3 933	219	19.6	1.1	2.4%	25 705
MONCLER	18	11 484	638	243.2	13.5	17.9%	7 880
MONDADORI EDITORE	18	150	8	0.3	0.0	2.4%	39
NEXI	18	499	28	2.6	0.1	0.4%	501
OVS	18	211	12	0.2	0.0	0.2%	645
PIAGGIO & C	18	205	11	0.6	0.0	1.7%	526
PIRELLI & C	18	2 651	147	6.6	0.4	2.9%	8 372
POSTE ITALIANE	18	4 783	266	24.4	1.4	5.4%	2 567
PRIMA INDUSTRIE	18	12	1	0.0	0.0	0.1%	25
PRYSMIAN	18	4 002	222	8.2	0.5	1.6%	10 391
RECORDATI	18	31	2	0.1	0.0	0.0%	28
SAFILO GROUP	18	226	13	0.1	0.0	0.1%	190
SAIPEM	18	2 659	148	11.7	0.6	2.2%	7 760
SALVATORE FERRAGAMO	18	1 744	97	17.3	1.0	7.8%	4 808
SARAS	18	433	24	0.7	0.0	0.6%	2 453
SIAS	14	-	-	-	-	0.0%	-
SNAM	18	5 631	313	25.0	1.4	2.8%	21 158
STMICROELECTRONICS	18	6 881	382	75.8	4.2	5.1%	13 550
TAMBURI INVESTMENT PARTNERS	18	29	2	0.1	0.0	0.3%	35
TECHNOGYM	18	40	2	0.2	0.0	0.2%	109
TELECOM ITALIA	18	58 236	3 235	33.7	1.9	5.1%	435 923
TELECOM ITALIA RSP	18	6 705	373	3.5	0.2	1.9%	21 413
TENARIS	18	6 070	337	28.9	1.6	3.8%	14 855
TERNA	18	1 779	99	10.2	0.6	1.7%	4 250
TOD'S	18	635	35	2.8	0.2	5.3%	3 037
UBI BANCA	18	3 636	202	5.3	0.3	1.2%	17 349
UNICREDIT	18	77 823	4 324	502.4	27.9	12.3%	283 689
UNIPOL	18	155	9	0.4	0.0	0.2%	1 133
UNIPOLSAI	18	916	51	2.4	0.1	0.8%	1 812
WEEKLY STOCK OPTIONS							
ENEL	18	1 627	90	5.4	0.3	0.2%	-
ENI	18	47	3	0.3	0.0	0.0%	20
FIAT CHRYSLER AUTOMOBILES	18	508	28	3.1	0.2	0.2%	-
GENERALI	18	406	23	0.8	0.0	0.1%	226
INTESA SANPAOLO	18	50	3	0.1	0.0	0.0%	40
TELECOM ITALIA	18	210	12	0.1	0.0	0.0%	150
UNICREDIT	18	981	55	6.6	0.4	0.2%	50

(*) The notional turnover is computed as the product of contracts number, strike prices and sizes for options and as the product of contracts number, prices and sizes for futures.

(**) As percentage on shares turnover (underlying shares).

(***) Open positions at the end of period. Gross figures both for options and futures.

INDEX AND VOLATILITY



Note: historical volatility is computed as standard deviation of daily logarithmic variations of FTSE MIB index values (last 22 days rolling)

MOST TRADED STOCK OPTIONS IN THE MONTH BY UNDERLYING

SHARES	STANDARD CONTRACTS		NOTIONAL TURNOVER		OPEN INTEREST *	
	number	% CALL	% PUT	eur ML		% SHARES
INTESA SANPAOLO	173 121	48.02%	51.98%	399.98	10.6%	1 161 750
ENEL	137 237	39.63%	60.37%	446.18	12.8%	504 448
GENERALI	106 348	35.74%	64.26%	179.44	14.3%	645 530
ENI	86 015	37.57%	62.43%	577.40	20.1%	302 371
UNICREDIT	78 804	52.75%	47.25%	509.00	12.5%	283 739
TELECOM ITALIA	58 446	35.80%	64.20%	33.80	5.1%	436 073
FIAT CHRYSLER AUTOMOBILES	42 912	45.17%	54.83%	297.45	14.5%	171 347
BANCO BPM	18 957	42.19%	57.81%	40.20	5.6%	33 273
MONCLER	11 484	64.64%	35.36%	243.18	17.9%	7 880
ITALGAS	7 434	35.67%	64.33%	40.64	14.3%	6 502

* Open positions at the end of period. Gross figures

MOST TRADED STOCK FUTURES IN THE MONTH BY UNDERLYING

SHARES	STANDARD CONTRACTS		TRADES number	NOTIONAL TURNOVER		OPEN INTEREST *
	number	%TOT		eur ML	% SHARES	
SOCIETE GENERALE	221 950	65.2%	6	687.25	--	68 000
BNP PARIBAS	88 008	25.9%	4	469.90	--	61 311
GENERALI	17 501	5.1%	3	32.16	2.6%	32 502
UNICREDIT	5 657	1.7%	27	37.73	0.9%	4 532
ENI	2 247	0.7%	20	15.46	0.5%	1 855
ENEL	1 641	0.5%	3	5.58	0.2%	901
AZIMUT HOLDING	1 098	0.3%	13	11.99	2.2%	1 112
MEDIOBANCA	600	0.2%	1	3.00	0.4%	-
PIRELLI & C	500	0.1%	1	1.27	0.6%	-
BPER BANCA	430	0.1%	1	1.94	0.8%	430

* Open positions at the end of period. Gross figures

Markets Analysis
Piazza degli Affari, 6 - 20123 Milano
T +39 02 724261 | Fax +39 02 8646.4323
e-mail: markets_analysis@borsaitaliana.it
www.borsaitaliana.it

This document contains text, data, graphics, photographs, illustrations, artwork, names, logos, trade marks, service marks and information ("Information") connected with Borsa Italiana S.p.A. ("Borsa Italiana").

All reasonable efforts have been made to ensure that the Information in this document was correct at the time of publication. However, Borsa Italiana Spa accepts no liability for decisions taken, or systems-related or other work carried out by any party based on this document. The publication of this document does not represent solicitation, by Borsa Italiana, of public saving and is not to be considered as a recommendation by Borsa Italiana as to the suitability of the investment, if any, herein described.

© December 2019 Borsa Italiana S.p.A. All rights reserved.



London
Stock Exchange Group