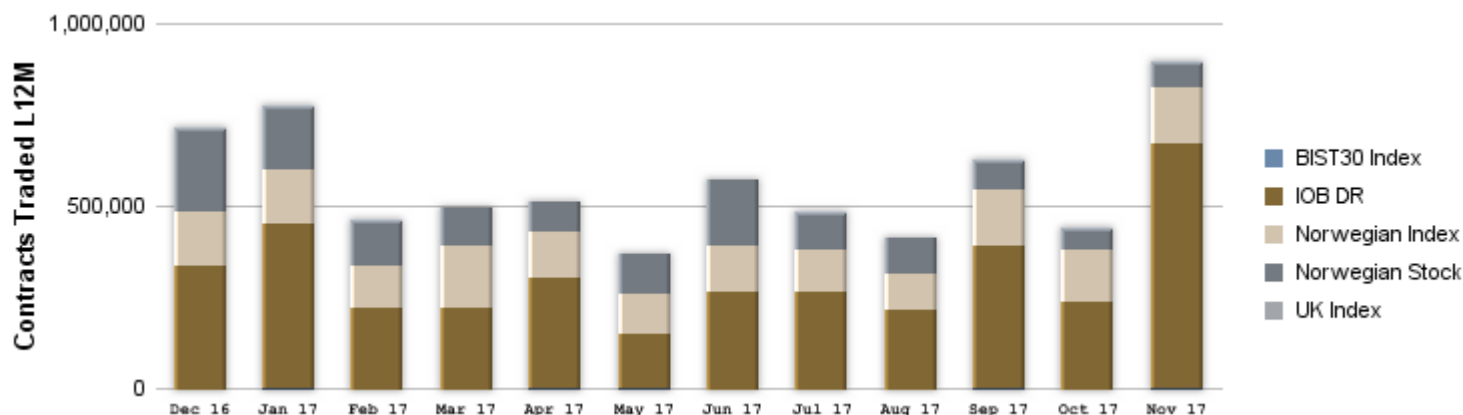


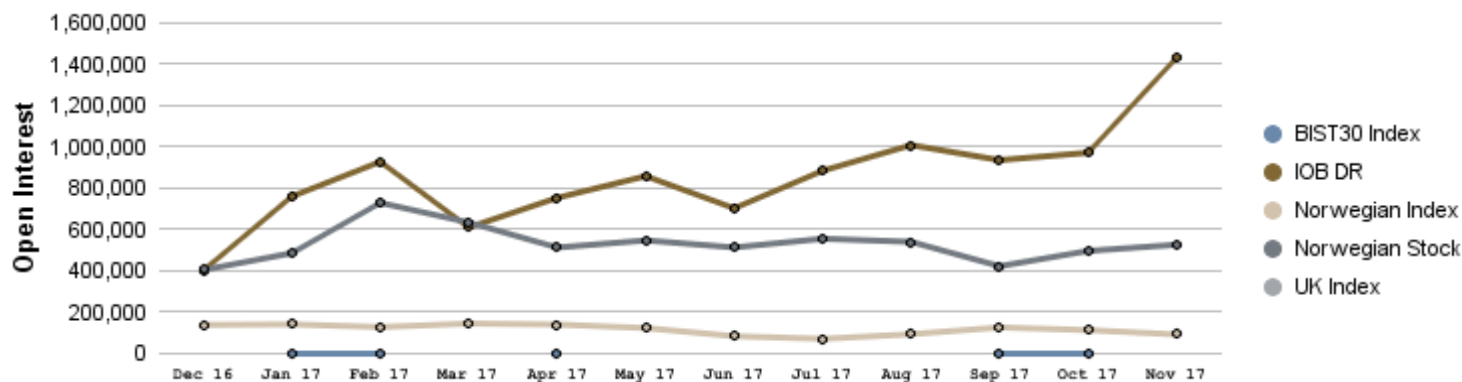
Activity Summary - By Product Category

Product Category	November 2017		2017 YTD		2016 YTD		Open Interest as at 30 Nov 2017
	Volume	Notional (\$m)	Volume	Notional (\$m)	Volume	Notional (\$m)	
BIST30 Index Futures	40 +100%	\$0.1 +100%	84 +100%	\$0.3 +100%			
IOB DR Futures	150,657 +303%	\$118.1 +204%	684,920 +638%	\$708.6 +1,357%	92,850	\$48.6	280,529
Norwegian Index Futures	121,431 -3%	\$1,091.4 -4%	1,221,174 -12%	\$9,776.3 +12%	1,385,385	\$8,765.3	39,041
Norwegian Stock Futures			116,010 -57%	\$14.2 -85%	272,130	\$96.2	123,559
UK Index Futures					1,808	\$161.1	
Total Futures	272,128 +67%	\$1,209.6 +3%	2,022,188 +15%	\$10,499.4 +16%	1,752,172.5	\$9,071.2	443,129
Norwegian Stock Options	74,487 +23%	\$141.1 +35%	1,077,138 -19%	\$1,404.5 -6%	1,327,372	\$1,491.9	403,456
Norwegian Index Options	29,916 +67%	\$274.8 +71%	244,928 -14%	\$1,929.1 +9%	283,998	\$1,775.7	53,302
IOB DR Options	519,597 +164%	\$650.9 +121%	2,690,669 +276%	\$3,193.4 +317%	714,841	\$766.3	1,151,911
BIST30 Index Options			6 +100%	\$0.0 +100%			
UK Index Options			167 -99%	\$15.5 -98%	11,197	\$990.4	
Total Options	624,000 +127%	\$1,066.8 +90%	4,012,908 +72%	\$6,542.5 +30%	2,337,408	\$5,024.3	1,608,669
Total Derivatives	896,127 +104%	\$2,276.4 +31%	6,035,096 +48%	\$17,041.9 +21%	4,089,580	\$14,095.5	2,051,798

All statistics include both on & off book trading. The open interest data for Norwegian products includes both LSEDM & Oslo Børs. Percentages reflect changes compared to prior period.

Volume & Open Interest Evolution: Last 12 Months





Activity Summary - Top 10 LSEDM Instruments by Notional (\$M)

Issuer Name	November 2017				2017 YTD			
	Volume	% Change (MoM)	Notional (\$m)	% Change (MoM)	Volume	% Changes (YoY)	Notional (\$m)	% Changes (YoY)
SBERBANK	124,042	+779%	\$194,259,100.00	+894%	772,413	+357%	\$1,002,037,861.07	+560%
GAZPROM	352,739	+451%	\$171,454,380.00	+500%	1,297,090	+305%	\$590,772,107.98	+340%
PJSC LUKOIL	25,872	+206%	\$147,309,885.00	+232%	205,654	+515%	\$1,083,566,713.60	+739%
NORILSK NICKEL	51,617	-48%	\$96,061,690.00	-45%	370,407	+171%	\$600,875,697.00	+193%
PJSC MAGNIT	20,935	+306%	\$60,117,000.00	+241%	29,129	+100%	\$88,951,479.66	+100%
OA0 NOVATEK	2,600	+752%	\$29,950,000.00	+769%	11,887	-13%	\$143,568,537.50	+10%
X5 RETAIL	6,829	+4,813%	\$28,645,000.00	+4,997%	6,968	+100%	\$29,207,000.00	+100%
YARA INTL	6,128	+65%	\$28,461,106.89	+64%	58,524	+5%	\$239,783,415.19	+17%
AKERBP	11,737	+93%	\$25,611,684.14	+113%	27,963	+8,920%	\$55,438,662.54	+11,331%
MARINE HARVEST	12,017	+58%	\$22,141,322.37	+40%	74,003	+1%	\$131,989,077.93	+11%

All statistics include both on & off book trading. 'MoM' stands for Month-on-month and 'YoY' stands for Year-on-year

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 30 Nov 2017
			Nov 17	Oct 17	% Change	Nov 17	Oct 17	% Change	
AKERBP	AKERBP	Options	11,737	6,093	+93%	\$25,611,684	\$12,048,467	+113%	7,530
AKER SOLUTIONS	AKSO	Futures							1,155
AKER SOLUTIONS	AKSO	Options	5,570	78	+7,087%	\$2,915,498	\$45,684	+6,282%	17,301
BAKKAFROST	BAKKA	Futures							10
BAKKAFROST	BAKKA	Options	248	267	-7%	\$1,066,599	\$1,232,004	-13%	1,485
BIST 30 INDEX	BIST30	Futures	40		+100%	\$147,668		+100%	
DNB ASA	DNB	Futures							2,065
DNB ASA	DNB	Options	11,138	6,999	+59%	\$20,524,824	\$13,576,911	+51%	34,563
DNO INTL	DNO	Futures							56,244
DNO INTL	DNO	Options	60	4,255	-99%	\$8,335	\$501,490	-98%	18,610
FRONTLINE	FRO	Futures							1,155
FRONTLINE	FRO	Options	179	195	-8%	\$105,251	\$122,568	-14%	1,104
GAZPROM	OGZD	Futures	94,869	19,481	+387%	\$40,969,480	\$8,346,727	+391%	122,396
GAZPROM	OGZD	Options	257,870	44,538	+479%	\$130,484,900	\$20,237,100	+545%	407,347
GJENSIDIGE F	GJF	Futures							311
GJENSIDIGE F	GJF	Options	100	100	+0%	\$184,031	\$186,306	-1%	684
JSC VTB BANK	VTBR	Futures	18,394		+100%	\$3,498,441		+100%	18,394
JSC VTB BANK	VTBR	Options	26,500		+100%	\$5,820,000		+100%	39,000
MARINE HARVEST	MHG	Futures							786
MARINE HARVEST	MHG	Options	12,017	7,613	+58%	\$22,141,322	\$15,791,246	+40%	26,714
MEGAFON	MFON	Futures		8,729			\$9,693,140		5,430
MEGAFON	MFON	Options	20,400	32,958	-38%	\$20,806,250	\$34,818,800	-40%	34,328

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 30 Nov 2017
			Nov 17	Oct 17	% Change	Nov 17	Oct 17	% Change	
NORDIC SEMICON	NOD	Futures							3,170
NORDIC SEMICON	NOD	Options	875	202	+334%	\$466,841	\$111,235	+320%	9,658
NORILSK NICKEL	MNOD	Futures	2,179	6,413	-66%	\$3,975,690	\$11,240,690	-65%	26,621
NORILSK NICKEL	MNOD	Options	49,438	93,497	-47%	\$92,086,000	\$163,528,700	-44%	182,307
NORSK HYDRO	NHY	Futures							1,937
NORSK HYDRO	NHY	Options	5,654	7,785	-27%	\$3,807,669	\$5,908,225	-36%	114,353
NORWEGIAN AIR	NAS	Futures							1,600
NORWEGIAN AIR	NAS	Options	3,075	548	+461%	\$8,227,574	\$1,573,811	+423%	8,349
OA0 NOVATEK	NVTK	Futures							880
OA0 NOVATEK	NVTK	Options	2,600	305	+752%	\$29,950,000	\$3,445,000	+769%	6,477
OBX INDEX	OBX	Futures	121,431	125,625	-3%	\$1,091,366,921	\$1,138,890,868	-4%	39,041
OBX INDEX	OBX	Options	29,916	17,928	+67%	\$274,783,721	\$161,110,895	+71%	53,302
ORKLA A	ORK	Futures							297
ORKLA A	ORK	Options	58	233	-75%	\$58,886	\$236,014	-75%	1,153
PA0 SEVERSTAL	SVST	Options	100	150	-33%	\$152,500	\$225,000	-32%	300
PETROLEUM GEO	PGS	Futures							26,330
PETROLEUM GEO	PGS	Options	1,753	497	+253%	\$243,912	\$102,154	+139%	11,646
PJSC LUKOIL	LKOD	Futures	4,034	1,449	+178%	\$22,032,885	\$7,614,500	+189%	23,045
PJSC LUKOIL	LKOD	Options	21,838	7,009	+212%	\$125,277,000	\$36,752,100	+241%	98,940
PJSC MAGNIT	MGNT	Futures	445		+100%	\$1,206,000		+100%	3,182
PJSC MAGNIT	MGNT	Options	20,490	5,157	+297%	\$58,911,000	\$17,641,200	+234%	21,107
RENEWABLE ENER	REC	Futures							18,500
RENEWABLE ENER	REC	Options	1,050		+100%	\$10,428		+100%	185

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 30 Nov 2017
			Nov 17	Oct 17	% Change	Nov 17	Oct 17	% Change	
ROSNEFT OIL CO	ROSN	Futures	3,922		+100%	\$2,000,220		+100%	14,876
ROSNEFT OIL CO	ROSN	Options	15,804	200	+7,802%	\$8,687,200	\$115,000	+7,454%	63,060
SBERBANK	SBER	Futures	26,678	1,350	+1,876%	\$43,911,650	\$1,930,500	+2,175%	65,569
SBERBANK	SBER	Options	97,364	12,760	+663%	\$150,347,450	\$17,612,000	+754%	274,261
STATOIL	STL	Futures							1,105
STATOIL	STL	Options	8,462	10,600	-20%	\$16,127,207	\$20,790,225	-22%	51,911
STOREBRAND	STB	Futures							8,265
STOREBRAND	STB	Options	1,214	6,064	-80%	\$1,021,882	\$5,288,816	-81%	43,665
SUBSEA	SUBC	Futures							83
SUBSEA	SUBC	Options	2,117	2,200	-4%	\$3,380,509	\$3,565,506	-5%	7,161
SURGUTNEFTEGAZ	SGGD	Options	500		+100%	\$235,000		+100%	17,992
TELENOR ASA	TEL	Futures							325
TELENOR ASA	TEL	Options	2,286	3,030	-25%	\$5,108,865	\$6,341,903	-19%	20,516
TGS NOPEC GEOP	TGS	Futures							81
TGS NOPEC GEOP	TGS	Options	770	65	+1,093%	\$1,654,473	\$150,564	+999%	8,228
X5 RETAIL	FIVE	Futures	136		+100%	\$493,000		+100%	136
X5 RETAIL	FIVE	Options	6,693	139	+4,715%	\$28,152,000	\$562,000	+4,909%	6,792
YARA INTL	YAR	Futures							140
YARA INTL	YAR	Options	6,128	3,712	+65%	\$28,461,107	\$17,343,457	+64%	18,640
Grand Total			896,127	438,218	+104%	\$2,276,421,876	\$1,738,680,804	+31%	2,051,798