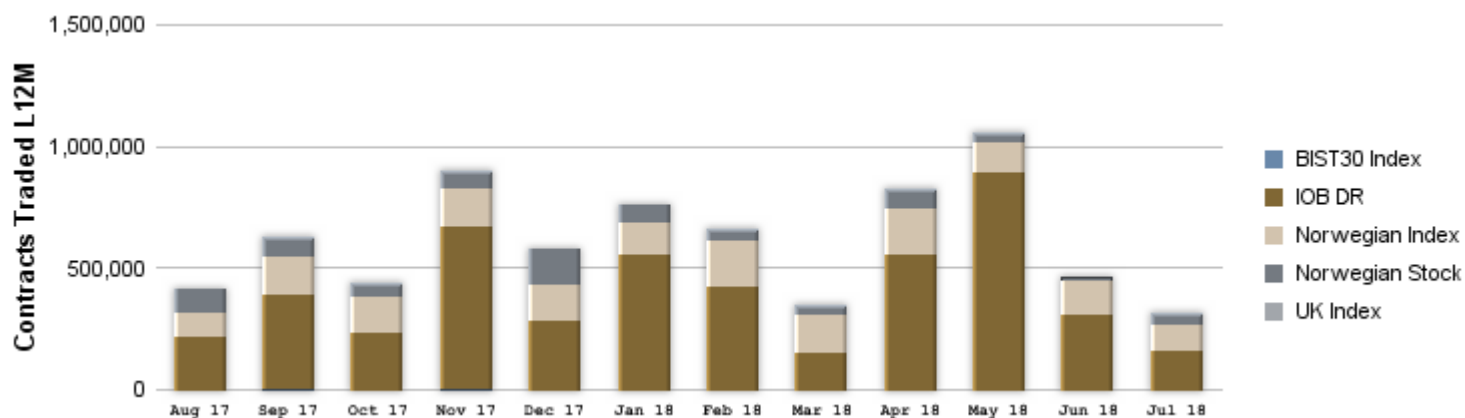


## Activity Summary - By Product Category

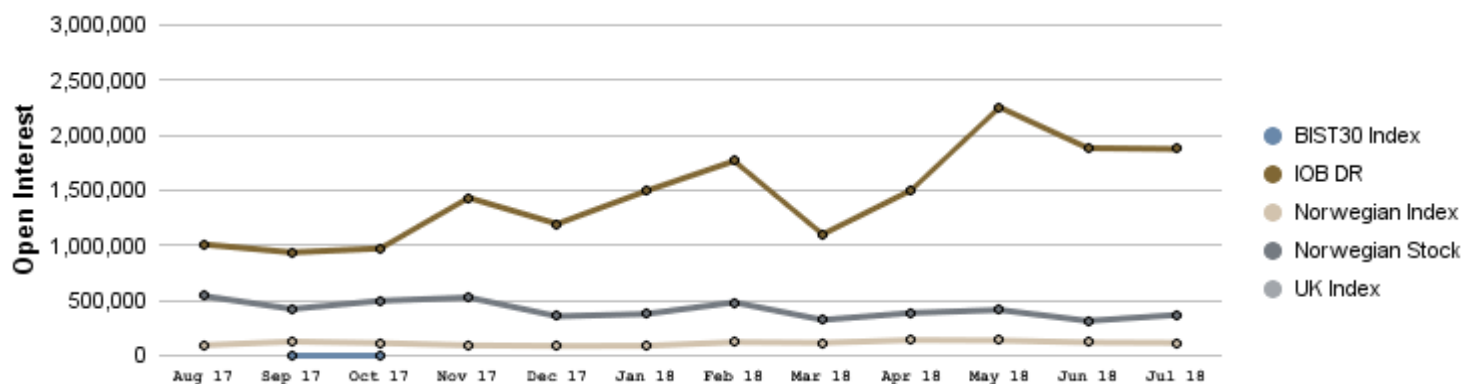
Product Category	July 2018		2018 YTD		2017 YTD		Open Interest as at 31 Jul 2018
	Volume	Notional (\$m)	Volume	Notional (\$m)	Volume	Notional (\$m)	
IOB DR Futures	22,072	\$27.7	578,154	\$780.3	356,206	\$396.9	244,170
	-67%	-67%	+62%	+97%			
Norwegian Index Futures	101,665	\$1,058.9	878,796	\$8,736.7	757,288	\$5,677.1	46,479
	-19%	-20%	+16%	+54%			
BIST30 Index Futures					42	\$0.1	
Norwegian Stock Futures					116,010	\$14.2	63,056
<b>Total Futures</b>	<b>123,737</b>	<b>\$1,086.6</b>	<b>1,456,950</b>	<b>\$9,516.9</b>	<b>1,229,546</b>	<b>\$6,088.3</b>	<b>353,705</b>
	-35%	-23%	+18%	+56%			
Norwegian Index Options	10,011	\$106.0	155,957	\$1,498.7	156,468	\$1,139.1	69,107
	-1%	+2%	0%	+32%			
Norwegian Stock Options	48,110	\$111.3	357,079	\$702.9	761,839	\$891.3	305,540
	+115%	+77%	-53%	-21%			
IOB DR Options	130,509	\$201.8	2,454,207	\$3,568.2	1,514,604	\$1,694.3	1,631,456
	-45%	-37%	+62%	+111%			
BIST30 Index Options					6	\$0.0	
UK Index Options				\$0.0	147	\$13.6	
<b>Total Options</b>	<b>188,629</b>	<b>\$419.0</b>	<b>2,967,242</b>	<b>\$5,769.8</b>	<b>2,433,064</b>	<b>\$3,738.2</b>	<b>2,006,103</b>
	-31%	-14%	+22%	+54%			
<b>Total Derivatives</b>	<b>312,366</b>	<b>\$1,505.6</b>	<b>4,424,192</b>	<b>\$15,286.8</b>	<b>3,662,610</b>	<b>\$9,826.5</b>	<b>2,359,808</b>
	-33%	-21%	+21%	+56%			

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



# LSEDM Monthly Statistics Report: July 2018



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

Issuer Name	July 2018				2018 YTD			
	Volume	% Change (MoM)	Notional (\$m)	% Change (MoM)	Volume	% Changes (YoY)	Notional (\$m)	% Changes (YoY)
SBERBANK	44,252	-53%	\$74,777,700.00	-44%	755,751	+98%	\$1,267,388,774.02	+188%
PJSC LUKOIL	9,869	-42%	\$66,713,490.00	-42%	173,845	+12%	\$1,131,307,374.16	+39%
YARA INTL	8,281	+47%	\$38,707,530.29	+48%	46,724	+57%	\$213,895,083.80	+85%
NORILSK NICKEL	22,224	-29%	\$38,279,014.00	-27%	502,520	+199%	\$870,986,884.14	+250%
GAZPROM	71,622	-30%	\$32,627,900.00	-30%	999,231	+43%	\$478,125,598.48	+50%
EQUINOR	9,985	+718%	\$28,989,803.41	+770%	54,744	-58%	\$137,704,621.57	-40%
OAQ NOVATEK	600	+8%	\$8,425,000.00	+13%	6,812	+34%	\$89,038,000.00	+41%
X5 RETAIL	2,724	-10%	\$7,755,900.00	-8%	25,659	+100%	\$89,276,345.00	+100%
DNB ASA	3,733	+27%	\$7,460,765.00	+31%	17,734	-54%	\$35,321,764.64	-45%
NORSK HYDRO	10,717	+1,446%	\$6,342,094.42	+1,245%	80,382	-69%	\$54,727,410.53	-63%

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 31 Jul 2018
			Jul 18	Jun 18	% Change	Jul 18	Jun 18	% Change	
AKERBP	AKERBP	Futures							50
AKERBP	AKERBP	Options	1,546	830	+86%	\$6,079,494	\$3,232,301	+88%	5,457
AKER SOLUTIONS	AKSO	Futures							550
AKER SOLUTIONS	AKSO	Options	867	285	+204%	\$599,230	\$197,495	+203%	10,484
BAKKAFROST	BAKKA	Options	289	85	+240%	\$1,862,423	\$456,401	+308%	965
DNB ASA	DNB	Futures							2,210
DNB ASA	DNB	Options	3,733	2,938	+27%	\$7,460,765	\$5,698,892	+31%	5,370
DNO INTL	DNO	Futures							2,700
DNO INTL	DNO	Options	85	110	-23%	\$18,636	\$22,337	-17%	3,170
EQUINOR	EQNR	Futures							1,000
EQUINOR	EQNR	Options	9,985	1,220	+718%	\$28,989,803	\$3,330,308	+770%	51,944
FRONTLINE	FRO	Futures							755
FRONTLINE	FRO	Options	275	625	-56%	\$153,528	\$381,214	-60%	3,602
GAZPROM	OGZD	Futures	13,503	22,770	-41%	\$5,900,920	\$10,089,755	-42%	116,634
GAZPROM	OGZD	Options	58,119	79,284	-27%	\$26,726,980	\$36,318,500	-26%	630,337
GJENSIDIGE F	GJF	Futures							1,256
GJENSIDIGE F	GJF	Options	2,176	468	+365%	\$3,532,132	\$801,566	+341%	3,831
JSC VTB BANK	VTBR	Options		17,748			\$2,284,680		37,124
MAIL.RU GROUP	MAIL	Options							600
MARINE HARVEST	MHG	Options	2,425	3,293	-26%	\$5,449,349	\$7,290,877	-25%	13,684
MEGAFON	MFON	Options							900
NORDIC SEMICON	NOD	Futures							3,643

## LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Jul 2018
			Jul 18	Jun 18	% Change	Jul 18	Jun 18	% Change	
NORDIC SEMICON	NOD	Options	1,226	600	+104%	\$873,238	\$420,996	+107%	17,510
NORILSK NICKEL	MNOD	Futures	2,069	10,383	-80%	\$3,329,014	\$17,311,491	-81%	18,719
NORILSK NICKEL	MNOD	Options	20,155	20,828	-3%	\$34,950,000	\$35,378,600	-1%	229,560
NORSK HYDRO	NHY	Futures							11,783
NORSK HYDRO	NHY	Options	10,717	693	+1,446%	\$6,342,094	\$471,580	+1,245%	121,291
NORWEGIAN AIR	NAS	Futures							2,185
NORWEGIAN AIR	NAS	Options	323	2,030	-84%	\$1,121,368	\$7,794,908	-86%	6,896
OAQ NOVATEK	NVTK	Options	600	558	+8%	\$8,425,000	\$7,487,000	+13%	2,600
OBX INDEX	OBX	Futures	101,665	125,508	-19%	\$1,058,944,293	\$1,327,666,089	-20%	46,479
OBX INDEX	OBX	Options	10,011	10,091	-1%	\$105,967,325	\$103,712,938	+2%	69,107
ORKLA A	ORK	Futures							1,150
ORKLA A	ORK	Options	678	39	+1,660%	\$594,042	\$39,609	+1,400%	551
PAO SEVERSTAL	SVST	Options							1,300
PETROLEUM GEO	PGS	Futures							5,220
PETROLEUM GEO	PGS	Options	942	175	+438%	\$491,857	\$84,650	+481%	2,579
PJSC LUKOIL	LKOD	Futures	1,650	1,904	-13%	\$11,429,290	\$12,686,120	-10%	11,864
PJSC LUKOIL	LKOD	Options	8,219	15,233	-46%	\$55,284,200	\$102,355,500	-46%	88,806
PJSC MAGNIT	MGNT	Futures		2,668			\$4,602,300		2,668
PJSC MAGNIT	MGNT	Options	190	5,900	-97%	\$315,500	\$10,325,000	-97%	7,683
PJSC TATNEFT	ATAD	Options		774			\$5,263,200		60
RENEWABLE ENER	REC	Futures							18,500
RENEWABLE ENER	REC	Options		200			\$3,476		2,118
ROSNEFT OIL CO	ROSN	Futures							35,722

## LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Jul 2018
			Jul 18	Jun 18	% Change	Jul 18	Jun 18	% Change	
ROSNEFT OIL CO	ROSN	Options	1,100	29,064	-96%	\$569,000	\$16,933,600	-97%	273,044
SBERBANK	SBER	Futures	4,850	27,836	-83%	\$7,006,300	\$36,610,424	-81%	58,563
SBERBANK	SBER	Options	39,402	65,874	-40%	\$67,771,400	\$95,823,600	-29%	356,168
STOREBRAND	STB	Futures							8,450
STOREBRAND	STB	Options	1,159	905	+28%	\$998,281	\$804,211	+24%	10,320
SUBSEA	SUBC	Futures							1,588
SUBSEA	SUBC	Options	331	546	-39%	\$529,213	\$870,816	-39%	5,821
SURGUTNEFTEGAZ	SGGD	Options		1,600			\$720,000		500
TELENOR ASA	TEL	Futures							600
TELENOR ASA	TEL	Options	2,587	850	+204%	\$5,673,175	\$1,856,340	+206%	12,315
TGS NOPEC GEOP	TGS	Futures							100
TGS NOPEC GEOP	TGS	Options	490	868	-44%	\$1,783,567	\$3,024,764	-41%	5,730
X5 RETAIL	FIVE	Futures		499			\$1,324,845		
X5 RETAIL	FIVE	Options	2,724	2,514	+8%	\$7,755,900	\$7,069,100	+10%	2,774
YARA INTL	YAR	Futures							1,316
YARA INTL	YAR	Options	8,281	5,637	+47%	\$38,707,530	\$26,191,212	+48%	21,902
<b>Grand Total</b>			<b>312,366</b>	<b>463,429</b>	<b>-33%</b>	<b>\$1,505,634,847</b>	<b>\$1,896,936,691</b>	<b>-21%</b>	<b>2,359,808</b>