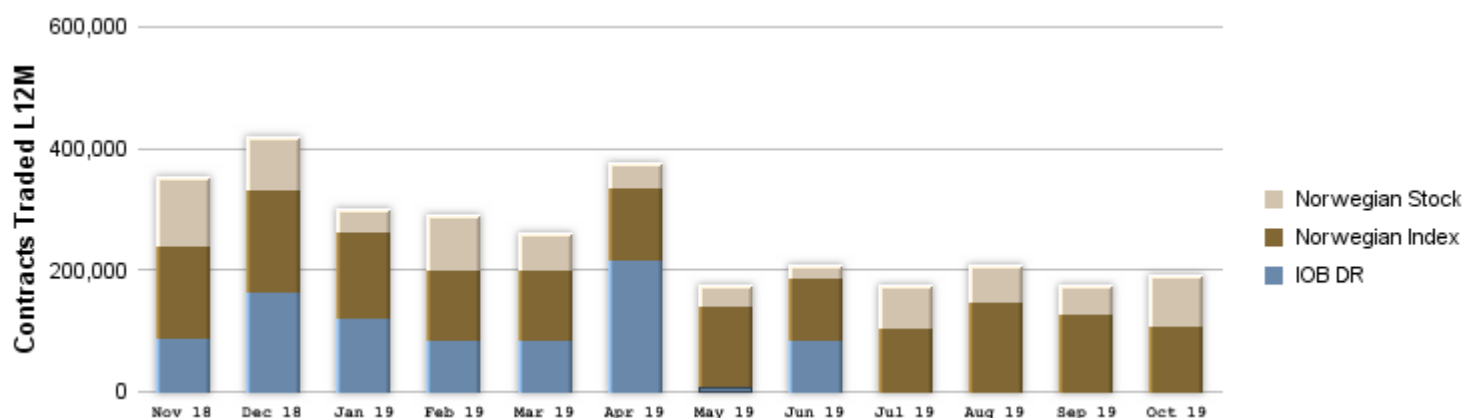


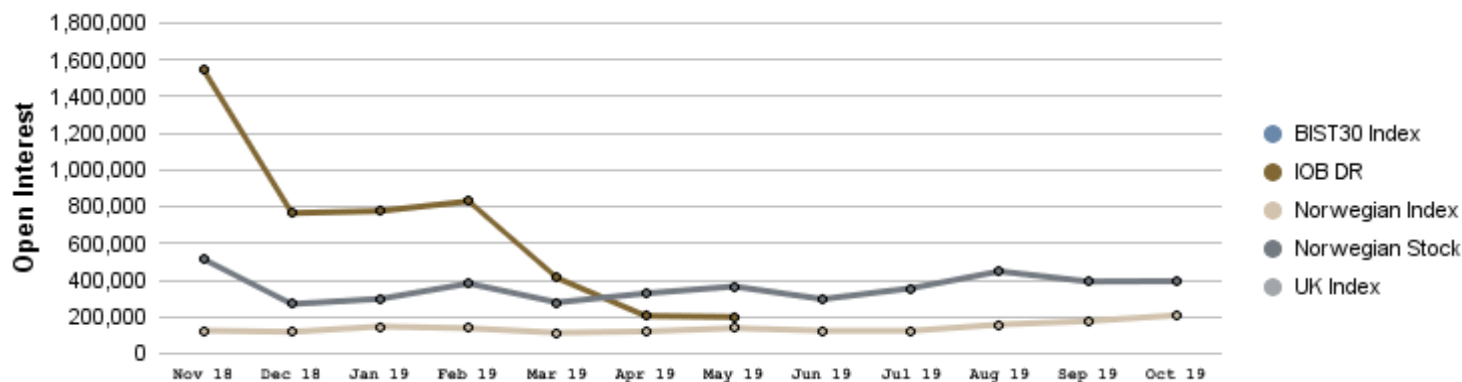
## Activity Summary - By Product Category

Product Category	October 2019		2019 YTD		2018 YTD		Open Interest as at 31 Oct 2019
	Volume	Notional (\$m)	Volume	Notional (\$m)	Volume	Notional (\$m)	
Norwegian Index Futures	104,908 -8%	\$929.4 -11%	1,087,818 -14%	\$9,942.5 -23%	1,270,714	\$12,962.8	53,136
BIST30 Index Futures					40	\$0.1	
IOB DR Futures			93,675 -87%	\$74.4 -92%	745,881	\$945.4	
Norwegian Stock Futures							76,953
<b>Total Futures</b>	<b>104,908</b> -8%	<b>\$929.4</b> -11%	<b>1,181,493</b> -41%	<b>\$10,016.8</b> -28%	<b>2,016,635</b>	<b>\$13,908.3</b>	<b>130,089</b>
Norwegian Index Options	1,931 -83%	\$17.2 -83%	120,502 -49%	\$1,104.2 -53%	237,257	\$2,357.5	155,803
Norwegian Stock Options	83,647 +66%	\$99.7 +34%	562,288 +1%	\$839.9 -22%	558,250	\$1,077.1	317,821
IOB DR Options			491,185 -83%	\$458.0 -89%	2,962,805	\$4,261.0	
<b>Total Options</b>	<b>85,578</b> +39%	<b>\$116.9</b> -33%	<b>1,173,974</b> -69%	<b>\$2,402.0</b> -69%	<b>3,758,312</b>	<b>\$7,695.5</b>	<b>473,624</b>
<b>Total Derivatives</b>	<b>190,486</b> +8%	<b>\$1,046.3</b> -14%	<b>2,355,467</b> -59%	<b>\$12,418.8</b> -43%	<b>5,774,947</b>	<b>\$21,603.9</b>	<b>603,713</b>

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	October 2019				2019 YTD			
	Volume	% Change (MoM)	Notional (\$m)	% Change (MoM)	Volume	% Changes (YoY)	Notional (\$m)	% Changes (YoY)
YARA INTL	8,415	+156%	\$34,388,496.74	+139%	59,775	-21%	\$261,889,853.40	-26%
EQUINOR	15,506	+15%	\$29,102,436.58	+17%	60,633	-17%	\$121,798,509.57	-36%
STOREBRAND	17,650	+2,141%	\$12,213,549.85	+2,675%	41,399	-23%	\$30,168,630.90	-39%
AKER SOLUTIONS	20,075	+5,114%	\$5,082,369.12	+3,783%	48,080	+135%	\$18,890,697.24	+50%
NORSK HYDRO	13,535	+5%	\$4,806,213.41	+3%	136,390	+11%	\$52,065,718.30	-34%
AKERBP	1,575	-14%	\$4,392,882.17	-18%	16,498	+43%	\$49,612,649.14	+29%
MOWI ASA	1,523	-53%	\$3,616,236.06	-52%	34,779	+22%	\$80,676,853.44	+31%
FRONTLINE	1,632	-49%	\$1,796,344.09	-33%	19,106	+200%	\$15,245,191.79	+346%
TGS NOPEC GEOP	281	-20%	\$785,312.03	-9%	6,289	-22%	\$16,512,184.16	-39%
TELENOR ASA	400	+32%	\$755,858.18	+21%	14,037	-34%	\$28,615,115.16	-41%

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 Oct 2019
			Oct 19	Sep 19	% Change	Oct 19	Sep 19	% Change	
AKERBP	AKERBP	Futures							415
AKERBP	AKERBP	Options	1,575	1,825	-14%	\$4,392,882	\$5,386,944	-18%	2,404
AKER SOLUTIONS	AKSO	Futures							2,105
AKER SOLUTIONS	AKSO	Options	20,075	385	+5,114%	\$5,082,369	\$130,894	+3,783%	48,220
BAKKAFROST	BAKKA	Options	40	269	-85%	\$222,043	\$1,519,080	-85%	856
DNB ASA	DNB	Futures							130
DNB ASA	DNB	Options	383	3,523	-89%	\$706,980	\$6,108,819	-88%	5,147
DNO INTL	DNO	Futures							10,650
DNO INTL	DNO	Options	150	2,033	-93%	\$21,607	\$291,882	-93%	10,600
EQUINOR	EQNR	Futures							2,005
EQUINOR	EQNR	Options	15,506	13,472	+15%	\$29,102,437	\$24,850,439	+17%	40,583
FRONTLINE	FRO	Futures							1,200
FRONTLINE	FRO	Options	1,632	3,175	-49%	\$1,796,344	\$2,686,416	-33%	6,630
GJENSIDIGE F	GJF	Options	357		+100%	\$682,448		+100%	2,004
MOWI ASA	MOWI	Options	1,523	3,231	-53%	\$3,616,236	\$7,539,938	-52%	17,463
NORDIC SEMICON	NOD	Futures							18,000
NORDIC SEMICON	NOD	Options	525	25	+2,000%	\$282,733	\$13,590	+1,980%	3,400
NORSK HYDRO	NHY	Futures							10,037
NORSK HYDRO	NHY	Options	13,535	12,830	+5%	\$4,806,213	\$4,678,153	+3%	48,808
NORWEGIAN AIR	NAS	Futures							3,296
NORWEGIAN AIR	NAS	Options	50	323	-84%	\$23,850	\$139,367	-83%	1,794
NORWEGIAN FIN	NOFI	Futures							152

## LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Oct 2019
			Oct 19	Sep 19	% Change	Oct 19	Sep 19	% Change	
NORWEGIAN FIN	NOFI	Options	90	170	-47%	\$82,640	\$141,476	-42%	8,330
OBX INDEX	OBX	Futures	104,908	114,351	-8%	\$929,403,262	\$1,043,276,443	-11%	53,136
OBX INDEX	OBX	Options	1,931	11,263	-83%	\$17,228,381	\$100,038,188	-83%	155,803
ORKLA A	ORK	Options	75	123	-39%	\$67,850	\$109,852	-38%	9,344
PGS ASA	PGS	Futures							100
PGS ASA	PGS	Options	875	200	+338%	\$129,413	\$26,737	+384%	10,600
RENEWABLE ENER	REC	Futures							18,500
RENEWABLE ENER	REC	Options		50			\$2,616		100
STOREBRAND	STB	Futures							7,850
STOREBRAND	STB	Options	17,650	788	+2,141%	\$12,213,550	\$440,051	+2,675%	57,726
SUBSEA	SUBC	Futures							808
SUBSEA	SUBC	Options	513	4,047	-87%	\$495,094	\$4,649,565	-89%	6,565
TELENOR ASA	TEL	Options	400	303	+32%	\$755,858	\$625,917	+21%	5,778
TGS NOPEC GEOP	TGS	Futures							55
TGS NOPEC GEOP	TGS	Options	281	350	-20%	\$785,312	\$863,409	-9%	10,592
YARA INTL	YAR	Futures							1,650
YARA INTL	YAR	Options	8,415	3,292	+156%	\$34,388,497	\$14,384,845	+139%	20,877
<b>Grand Total</b>			<b>190,486</b>	<b>176,024</b>	<b>+8%</b>	<b>\$1,046,285,999</b>	<b>\$1,217,904,619</b>	<b>-14%</b>	<b>603,713</b>