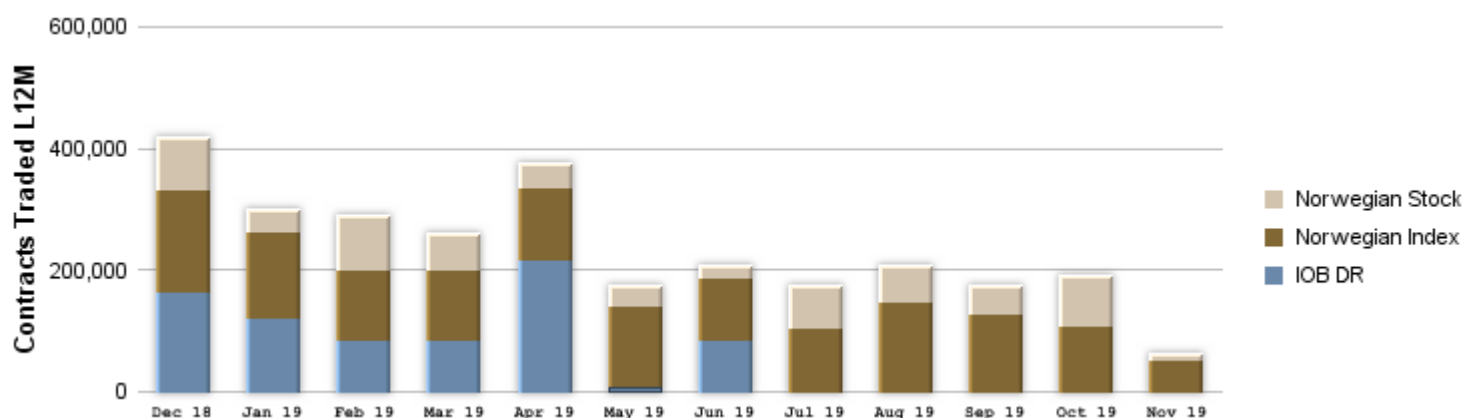


Activity Summary - By Product Category

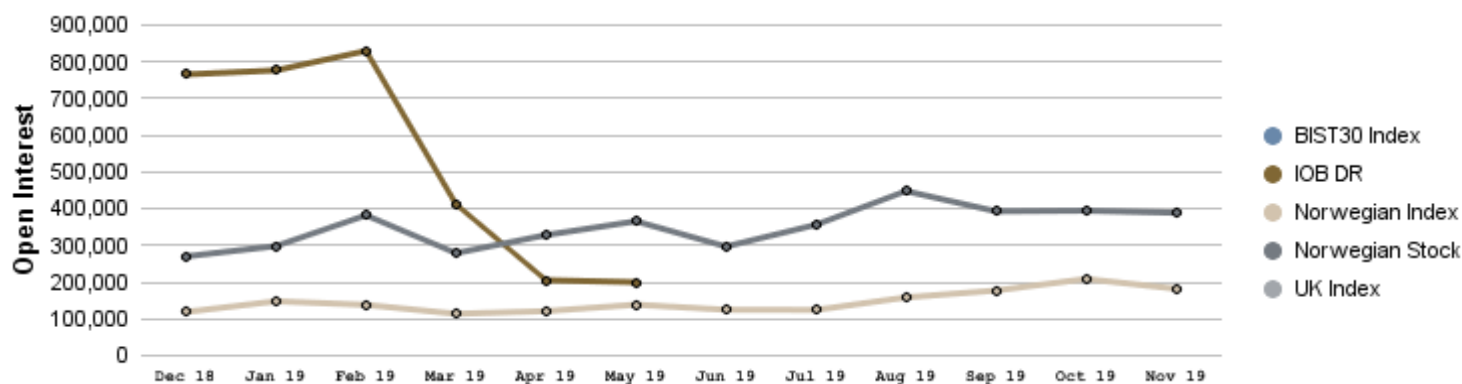
Product Category	November 2019		2019 YTD		2018 YTD		Open Interest as at 29 Nov 2019
	Volume	Notional (\$m)	Volume	Notional (\$m)	Volume	Notional (\$m)	
Norwegian Index Futures	47,564	\$433.9	1,135,381	\$10,376.4	1,399,368	\$14,298.6	44,329
	-55%	-53%	-19%	-27%			
BIST30 Index Futures					40	\$0.1	
IOB DR Futures			93,675	\$74.4	759,929	\$963.1	
			-88%	-92%			
Norwegian Stock Futures							91,366
Total Futures	47,564	\$433.9	1,229,056	\$10,450.7	2,159,337	\$15,261.9	135,695
	-55%	-53%	-43%	-32%			
Norwegian Index Options	325	\$2.6	120,827	\$1,106.7	258,725	\$2,579.7	137,939
	-83%	-85%	-53%	-57%			
Norwegian Stock Options	15,220	\$22.6	577,508	\$862.5	672,940	\$1,263.4	297,701
	-82%	-77%	-14%	-32%			
IOB DR Options			491,185	\$458.0	3,035,454	\$4,391.5	
			-84%	-90%			
Total Options	15,545	\$25.2	1,189,519	\$2,427.2	3,967,119	\$8,234.6	435,640
	-82%	-78%	-70%	-71%			
Total Derivatives	63,109	\$459.1	2,418,575	\$12,878.0	6,126,456	\$23,496.5	571,335
	-67%	-56%	-61%	-45%			

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: November 2019



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

Issuer Name	November 2019				2019 YTD			
	Volume	% Change (MoM)	Notional (\$m)	% Change (MoM)	Volume	% Changes (YoY)	Notional (\$m)	% Changes (YoY)
MOWI ASA	5,294	+248%	\$12,059,104.38	+233%	40,072	+33%	\$92,735,957.82	+41%
EQUINOR	1,614	-90%	\$2,761,993.51	-91%	62,247	-25%	\$124,560,503.08	-42%
TGS NOPEC GEOP	777	+177%	\$1,982,035.32	+152%	7,066	-24%	\$18,494,219.48	-41%
YARA INTL	415	-95%	\$1,748,321.68	-95%	60,189	-28%	\$263,638,175.08	-33%
NORWEGIAN AIR	2,070	+4,039%	\$1,516,061.27	+6,257%	22,973	+6%	\$27,969,403.44	-59%
SUBSEA	433	-16%	\$484,875.18	-2%	29,126	-52%	\$35,028,140.36	-55%
TELENOR ASA	249	-38%	\$480,760.06	-36%	14,286	-45%	\$29,095,875.22	-50%
NORSK HYDRO	1,049	-92%	\$392,693.47	-92%	137,438	+1%	\$52,458,411.77	-39%
DNO INTL	2,500	+1,567%	\$299,522.90	+1,286%	15,845	-17%	\$2,511,143.29	-20%
FRONTLINE	235	-86%	\$243,574.18	-86%	19,341	+131%	\$15,488,765.96	+218%

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 29 Nov 2019
			Nov 19	Oct 19	% Change	Nov 19	Oct 19	% Change	
AKERBP	AKERBP	Futures							335
AKERBP	AKERBP	Options		1,575			\$4,392,882		4,061
AKER SOLUTIONS	AKSO	Futures							1,965
AKER SOLUTIONS	AKSO	Options	25	20,075	-100%	\$6,185	\$5,082,369	-100%	48,500
BAKKAFROST	BAKKA	Options	20	40	-50%	\$108,874	\$222,043	-51%	232
DNB ASA	DNB	Futures							230
DNB ASA	DNB	Options	125	383	-67%	\$222,882	\$706,980	-68%	7,637
DNO INTL	DNO	Futures							18,800
DNO INTL	DNO	Options	2,500	150	+1,567%	\$299,523	\$21,607	+1,286%	3,300
EQUINOR	EQNR	Futures							1,950
EQUINOR	EQNR	Options	1,614	15,506	-90%	\$2,761,994	\$29,102,437	-91%	32,544
FRONTLINE	FRO	Futures							4,200
FRONTLINE	FRO	Options	235	1,632	-86%	\$243,574	\$1,796,344	-86%	6,800
GJENSIDIGE F	GJF	Options	50	357	-86%	\$89,555	\$682,448	-87%	190
MOWI ASA	MOWI	Options	5,294	1,523	+248%	\$12,059,104	\$3,616,236	+233%	14,185
NORDIC SEMICON	NOD	Futures							12,000
NORDIC SEMICON	NOD	Options	100	525	-81%	\$55,045	\$282,733	-81%	3,150
NORSK HYDRO	NHY	Futures							10,037
NORSK HYDRO	NHY	Options	1,049	13,535	-92%	\$392,693	\$4,806,213	-92%	45,888
NORWEGIAN AIR	NAS	Futures							4,529
NORWEGIAN AIR	NAS	Options	2,070	50	+4,039%	\$1,516,061	\$23,850	+6,257%	4,713
NORWEGIAN FIN	NOFI	Futures							100

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 29 Nov 2019
			Nov 19	Oct 19	% Change	Nov 19	Oct 19	% Change	
NORWEGIAN FIN	NOFI	Options	50	90	-44%	\$48,015	\$82,640	-42%	6,850
OBX INDEX	OBX	Futures	47,564	104,908	-55%	\$433,913,440	\$929,403,262	-53%	44,329
OBX INDEX	OBX	Options	325	1,931	-83%	\$2,563,463	\$17,228,381	-85%	137,939
ORKLA A	ORK	Options	117	75	+56%	\$100,041	\$67,850	+47%	10,204
PGS ASA	PGS	Futures							300
PGS ASA	PGS	Options		875			\$129,413		8,000
RENEWABLE ENER	REC	Futures							26,000
RENEWABLE ENER	REC	Options	50		+100%	\$2,062		+100%	
STOREBRAND	STB	Futures							7,700
STOREBRAND	STB	Options	50	17,650	-100%	\$37,080	\$12,213,550	-100%	60,087
SUBSEA	SUBC	Futures							357
SUBSEA	SUBC	Options	433	513	-16%	\$484,875	\$495,094	-2%	7,165
TELENOR ASA	TEL	Futures							490
TELENOR ASA	TEL	Options	249	400	-38%	\$480,760	\$755,858	-36%	7,995
TGS NOPEC GEOP	TGS	Futures							200
TGS NOPEC GEOP	TGS	Options	777	281	+177%	\$1,982,035	\$785,312	+152%	7,939
YARA INTL	YAR	Futures							2,173
YARA INTL	YAR	Options	415	8,415	-95%	\$1,748,322	\$34,388,497	-95%	18,261
Grand Total			63,109	190,486	-67%	\$459,115,585	\$1,046,285,999	-56%	571,335