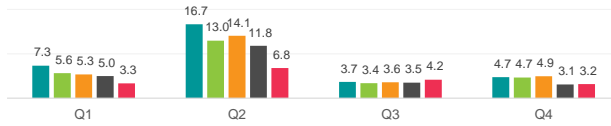


# Securities Lending Returns in MSCI Europe



The MSCI Europe Index measures the performance of the large and mid cap segments across 15 developed markets countries in Europe. The index covers approximately 85% of the free float-adjusted market capitalization across the European developed markets equity universe. IHS Markit provides the securities lending return made from securities in the index since 2015 and further provides a break down by fee categories, top sectors & countries as well as the level of short interest in the index constituents. There are currently 434 securities on loan out of the 435 securities in the index

SL Returns to Lendable (bps) : Quarterly Comparison



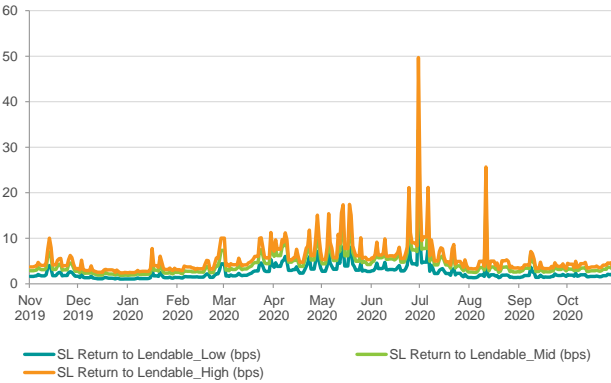
Indexed Short Interest

	2016	2017	2018	2019	2020*
End of Year Levels	113.3	97.9	117.7	91.4	121.6
YOY change	4%	-14%	20%	-22%	33.1%

Index base date : 1st Jan 2015

\* as of 31st Oct 2020

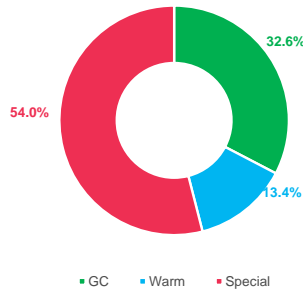
SL Returns to Lendable : Nov 19 to Oct 20



Period	SL Return to Lendable_Low (bps)		SL Return to Lendable_Mid (bps)		SL Return to Lendable_High (bps)	
	2020	2019	2020	2019	2020	2019
Annualized	2020	2019	2020	2019	2020	2019
Jan	1.4	1.6	2.5	3.0	3.3	3.9
Feb	1.8	2.4	3.2	4.3	4.3	5.5
Mar	2.6	4.2	4.4	7.2	5.8	9.6
Apr	3.9	5.9	6.4	9.7	7.7	12.0
May	4.1	11.6	6.6	17.9	8.4	22.7
Jun	4.3	4.8	7.3	7.6	9.0	9.6
Jul	3.1	2.2	5.6	3.6	7.3	4.9
Aug	1.9	2.0	3.6	3.5	4.9	4.9
Sep	1.8	1.9	3.3	3.3	4.0	4.9
Oct	1.8	2.0	3.2	3.5	4.0	4.7
Nov	-	2.1	-	3.7	-	4.8
Dec	-	1.3	-	2.2	-	2.9
YTD	2.6	3.9	4.6	6.6	5.9	8.7
Full Year	2.6	3.5	4.6	5.9	5.9	7.9
Nov 19 to Oct 20	2.5		4.3		5.5	

## SL Revenue Contribution by Fee Categories

Annual Contribution by Fee Categories: Nov 19 to Oct 20



Period	GC Contribution		Warm Contribution		Special Contribution		Warm Securities		Special Securities	
	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019
Month	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019
Jan	44%	48%	9%	16%	47%	35%	9	18	5	5
Feb	36%	32%	12%	23%	52%	45%	19	21	5	6
Mar	39%	17%	16%	14%	45%	68%	23	34	9	14
Apr	30%	12%	12%	18%	57%	69%	28	62	13	27
May	25%	6%	18%	14%	56%	80%	38	67	18	44
Jun	22%	16%	8%	10%	70%	74%	28	34	14	18
Jul	25%	31%	15%	10%	60%	59%	18	17	9	10
Aug	40%	32%	8%	22%	52%	46%	14	15	6	6
Sep	42%	34%	8%	10%	50%	56%	11	14	7	5
Oct	39%	34%	10%	24%	50%	42%	15	19	7	4
Nov	-	32%	-	21%	-	46%	-	19	-	6
Dec	-	51%	-	23%	-	26%	-	15	-	3

## Top Sectors & Countries by SL Revenue and SL Return to Lendable for Oct 2020

Top 3 Sectors by SL Return to Lendable	SL Return to Lendable (bps)	SL Revenue Contribution
Real Estate	49.1	24.0%
Telecommunication Services	14.7	13.3%
Transportation	13.2	6.8%

Top 3 Sectors by SL Revenue	SL Revenue Contribution
Real Estate	24.0%
Telecommunication Services	13.3%
Capital Goods	9.5%

Top 3 Countries by SL Return to Lendable	SL Return to Lendable (bps)	SL Revenue Contribution
Norway	43.5	7.4%
Austria	17.3	0.9%
Finland	11.8	4.1%

Top 3 Countries by SL Revenue	SL Revenue Contribution
Netherlands	25.8%
Sweden	14.0%
Germany	13.8%

### Notes

SL Return to Lendable\_Low

Returns from securities lending relative to lendable value from all the lender funds who are part of the IHS Markit Securities Finance group

SL Return to Lendable\_Mid

Returns from securities lending relative to lendable value from only those lender funds with active loans in respective market areas that are part of the index. Funds are classified as active on a daily basis for individual market areas. This metric is used in the report unless stated otherwise

SL Return to Lendable\_High

Returns from securities lending relative to lendable value from only those lender funds with the highest loan value that represent 80% of the cumulative loan value in respective market areas that are part of the index. Funds are classified on a daily basis for individual market areas within the index.

Indexed Short Interest

Indexed Short Interest tracks the daily change in short interest relative to market capitalization calculated for the MSCI index with an index base date of 1st Jan 2015 where the index is set to a base value of 100

Fee Classification

Securities with value weighted average securities lending fee of <= 35 bps are classified as GC, > 35 bps & <= 150 bps are classified as Warm and > 150 bps are classified as Special. This fee classification is done on a daily basis