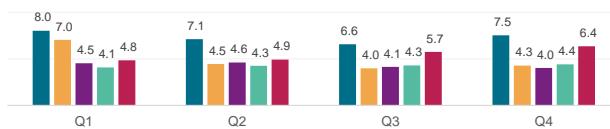


Securities Lending Returns in iBoxx EUR Sovereigns Index

S&P Global
Market Intelligence

IHS Markit iBoxx EUR Sovereigns Index is designed to reflect the performance of the EUR denominated investment grade sovereign debt issued by a central government of a member country of the Eurozone. The index rules aim to offer a broad coverage of the EUR bond universe, whilst upholding minimum standards of investability and liquidity. IHS Markit Securities Finance provides the securities lending return made from the bonds in the index since 2015 and further provides a break down by fee categories, ratings & years to maturity as well as the level of Utilization in the index constituents. There are currently 421 bonds on loan out of the 451 bonds in the index

SL Returns to Lendable (bps) : Quarterly Comparison ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022



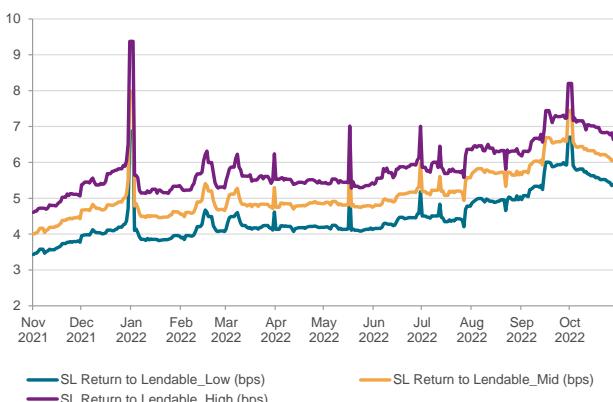
Indexed Utilization ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022*

End Year Utilization Levels	2018	2019	2020	2021	2022*
YOY change	-10%	-13%	-5%	4%	5%

Index base date : 1st Jan 2015

* As of 31st Oct 2022

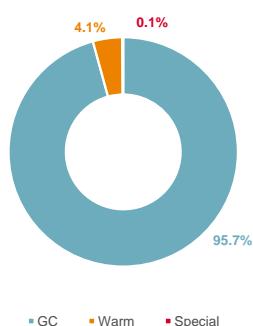
SL Returns to Lendable : Nov 21 to Oct 22



Period	SL Return to Lendable_Low (bps)		SL Return to Lendable_Mid (bps)		SL Return to Lendable_High (bps)	
	2022	2021	2022	2021	2022	2021
Annualized	2022	2021	2022	2021	2022	2021
Jan	4.1	3.6	4.8	4.2	5.5	4.6
Feb	4.2	3.4	4.8	3.9	5.5	4.3
Mar	4.3	3.5	4.9	4.1	5.7	4.6
Apr	4.2	3.6	4.8	4.2	5.5	4.8
May	4.2	3.6	4.9	4.3	5.5	4.9
Jun	4.4	3.6	5.1	4.3	5.8	4.8
Jul	4.5	3.8	5.2	4.5	5.9	5.1
Aug	4.9	3.6	5.7	4.3	6.3	4.9
Sep	5.6	3.6	6.3	4.1	6.9	4.6
Oct	5.7	3.5	6.4	4.0	7.0	4.7
Nov	-	3.6	-	4.3	-	4.9
Dec	-	4.2	-	4.9	-	5.7
YTD	4.6	3.6	5.3	4.2	6.0	4.7
Full Year	4.6	3.6	5.3	4.3	6.0	4.8
Nov 21 to Oct 22	4.5		5.2		5.9	

SL Revenue Contribution by Fee Categories

Annual Contribution by Fee Categories:Nov 21 to Oct 22



Period	GC Contribution		Warm Contribution		Special Contribution		Warm Securities		Special Securities	
	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021
Month	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021
Jan	93.3%	95.3%	6.7%	4.7%	0.1%	0.0%	28	15	2	-
Feb	97.9%	97.2%	1.5%	2.7%	0.6%	0.0%	22	13	1	1
Mar	95.6%	97.4%	3.8%	2.6%	0.6%	0.1%	25	14	1	1
Apr	98.3%	97.4%	1.7%	2.6%	0.0%	0.0%	27	14	-	1
May	97.4%	96.9%	2.3%	2.7%	0.3%	0.4%	26	12	1	1
Jun	97.4%	96.3%	2.6%	3.7%	0.0%	0.0%	27	13	2	-
Jul	98.7%	97.8%	1.1%	2.0%	0.2%	0.2%	26	13	1	1
Aug	96.9%	97.9%	3.1%	2.1%	0.0%	0.0%	27	16	1	-
Sep	92.3%	98.2%	7.7%	1.8%	0.0%	0.0%	23	16	1	1
Oct	91%	97.8%	9%	2.2%	0%	0.0%	26	20	1	1
Nov	-	97.8%	-	2.2%	-	0.0%	-	18	-	1
Dec	-	94.1%	-	5.9%	-	0.0%	-	24	-	1

SL Revenue and SL Return to Lendable by Years to Maturity and Ratings for Oct 2022

Ratings	SL Return to Lendable (bps)	SL Revenue Contribution
AAA	12.8	49%
AA	4.6	35%
A	2.6	4%
BBB	4.3	11%

Years to Maturity	SL Return to Lendable (bps)	SL Revenue Contribution
3 Years and Less	7.4	25%
Between 3 and 5 Years	6.1	20%
Between 5 and 7 Years	6.6	15%
7 Years and more	5.9	40%

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. Finance trades are removed from our calculation
- 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. Finance trades are removed from our calculation. 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. Finance trades are removed from our calculation
- Indexed Utilization: Indexed Utilization tracks the daily change in lender loan value relative to lendable value calculated for the iBoxx 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