



# Market Report – 22/04/2024

## Europe:

- An escalation of tensions in the Middle East kept stock markets on edge last week. Stoxx 600 fell -1.19% over the previous week.
- Overnight indexed swaps estimate the ECB may cut its benchmark rate at least three times by December, in stark contrast to the Fed, where expectations center on fewer than two reductions. ECB's rate cut projections, as proxied by the OIS market, point to a 90% likelihood of a first 25bps cut as of June 2024.
- However, even as June becomes more certain, the ECB's course thereafter is less so as rate-setters are divided on how much easing to commit to.
- European government bonds sold off last week. In Germany and France, the short end cheapened in comparison to the longer maturities with the 2 and 5-year up +14.6bps and +15.9bps for Germany, and +16bps and +16.5bps for France. The 10-year German yield was up +14bps and France by c.15bps leading to bear-flattening in both curves.
- In Italy, the belly of the curve cheapened in comparison to the tails with 5 and 10-year up c.+20bps and +17bps while the 2 and 30-year increased by c.+13.6bps week-on-week. The Bund BTP spread closed the week at 143bps.
- The Euro fell vs. global currencies, -0.13% vs. USD, -0.77% vs GBP and -1.04% vs. JPY week on week.

## UK:

- FTSE 100 index was down -1.26%, almost on par with European stock market indices.
- Markets have scaled back bets on cuts coming from the next 2 BOE meetings. Strong US inflation data and a rise of 2.3% in UK consumer prices in March, prompted the shift.
- Gilts also sold off albeit to a lesser degree than its European counterparts. The belly of the curve cheapened in comparison to the tails with the 5 and 10-year up +8.4bps and +9.3bps while the 2 and 30-year increased by +3.4bps and +7.9bps over the course of a week.

## US:

- Investors are pulling money out of equities as a strong US economy and sticky inflation fuel concerns that the Fed will keep interest rates higher for longer.
- A selloff in the world's largest technology companies hit stocks and equities extended their slide from a record. S&P500 was down -3.14% and NASDAQ 100 -5.84% week-on-week.
- Money market traders have been paring back their rate cut expectations. Fed Fund futures imply the first cut in November, with less than two cuts priced in until the end of the year.
- Treasuries sold off as the belly cheapened relative to the tails.
- US rose against global currencies as the DXY closed at +0.11% week-on-week.

Yields	2yr	5yr	10yr	30yr
<b>Germany</b>	3.00%	2.52%	2.50%	2.62%
<i>Weekly Change</i>	14.6 bps	15.9 bps	14.1 bps	11.8 bps
<b>France</b>	3.01%	2.86%	3.01%	3.47%
<i>Weekly Change</i>	16.1 bps	16.5 bps	14.9 bps	12.1 bps
<b>Italy</b>	3.55%	3.49%	3.93%	4.40%
<i>Weekly Change</i>	13.7 bps	19.9 bps	17 bps	13.6 bps
<b>UK</b>	4.37%	4.13%	4.23%	4.70%
<i>Weekly Change</i>	3.4 bps	8.4 bps	9.3 bps	7.9 bps
<b>US</b>	4.99%	4.67%	4.62%	4.71%
<i>Weekly Change</i>	8.8 bps	11.2 bps	9.9 bps	8.2 bps

Data as of 19/04/2024



# Listed Market Report – 22/04/2024

## Eurex – Fixed Income ETD

- The average daily volume over the course of the week in Fixed Income Futures was 3.55mln lots per day. German bond futures combined for an ADV of around 2.75mln lots
- Bund futures traded ~1.1mln lots a day, while Bobl and Schatz both traded around 772k and 744k lots a day respectively.
- French OAT traded 210k contracts a day, while Italian BTP futures traded 373k lots a day on average (short + long-term).
- Last week, Fixed Income Options traded ca.210k lots a day, the majority in monthly Bund options with ~ 139k. Bobl and Schatz traded 20k and 40k lots a day each, while weekly Bunds hit ~8.5k
- €STR futures and Euribor futures traded 112k and 103k lots a day with open positions building up over the course of the week.

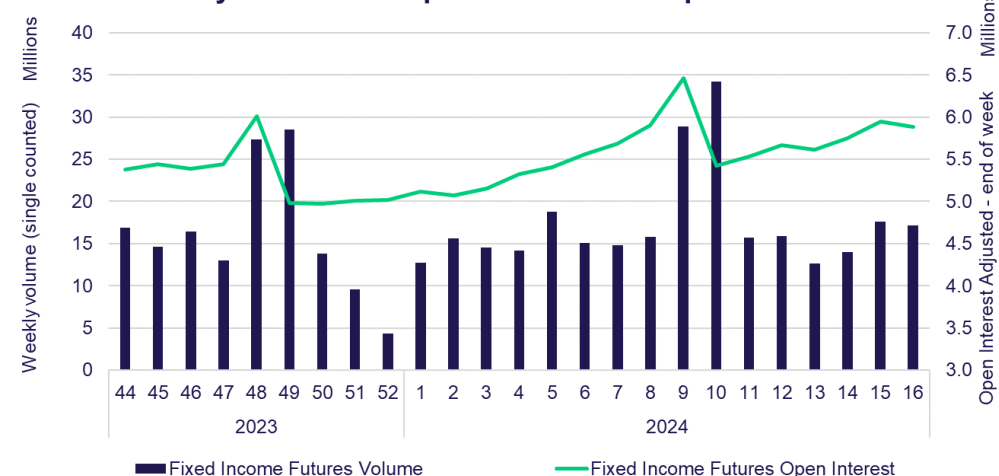
### Futures and Options Weekly overview

Segment	Weekly ADV	Weekly vs. 2023 ADV	Adjusted Open Interest*	Week on Week OI % Change
Futures	3,550,749	▲ 23.9%	5,943,213	▬ 0.4%
Options	210,230	▲ 9.4%	1,612,939	▲ 14.3%

### Top 10 Weekly ADV Traded Volume Change

Rank	Product ID	Weekly ADV	Weekly vs. 2023 ADV	ADV Year on Year	Week on Week OI % Change
1	FGBL	1,105,179	▲ 25.5%	▲ 21.3%	▼ -1.9%
2	FGBM	772,514	▲ 9.2%	▲ 22.2%	▼ -0.3%
3	FGBS	744,820	▲ 19.0%	▲ 14.9%	▲ 2.2%
4	FBTP	221,312	▲ 12.2%	▲ 37.1%	▼ -1.1%
5	FOAT	210,823	▲ 4.2%	▲ 19.2%	▼ -1.4%
6	FBTS	152,253	▲ 14.8%	▲ 35.7%	▼ -2.2%
7	OGBL	138,585	▲ 15.7%	▼ -22.1%	▲ 13.0%
8	FGBX	126,945	▲ 30.0%	▲ 53.5%	▲ 2.2%
9	FST3	112,316	▲ 1164.3%	▲ 16809384.4%	▲ 22.5%
10	FEU3	103,196	▲ 756.9%	▲ 548134.7%	▲ 6.7%

## Weekly volume and open interest development - futures



### Fixed income options open interest heatmap

Product ID	Expiry Date	Call / Put	4/26/2024		5/24/2024		6/21/2024	
			Open Interest*	Weekly Volume	Open Interest*	Weekly Volume	Open Interest*	Weekly Volume
OGBL	C		263,572	236,025	258,734	214,271	12,961	11,566
	P		170,957	123,660	148,176	98,592	4,133	2,236
OGBM	C		95,626	33,613	117,190	25,247	1,001	801
	P		46,457	14,546	43,994	23,363	801	801
OGBS	C		119,227	51,757	154,803	96,756	2,534	2,528
	P		57,721	42,878	12,084	4,358	5,056	5,056
OBTP	C		7,089	1,226	12,611	4,559	-	-
	P		11,918	1,990	14,043	3,998	-	-
OOAT	C		13	-	221	-	-	-
	P		-	-	380	-	-	-
OGBX	C		5,542	3,070	4,690	2,000	3	4
	P		3,693	1,394	4,637	3,523	2	2
ODBT	C		-	-	-	-	-	-
	P		-	-	-	-	-	-
ODTM	C		-	-	-	-	-	-
	P		-	-	-	-	-	-

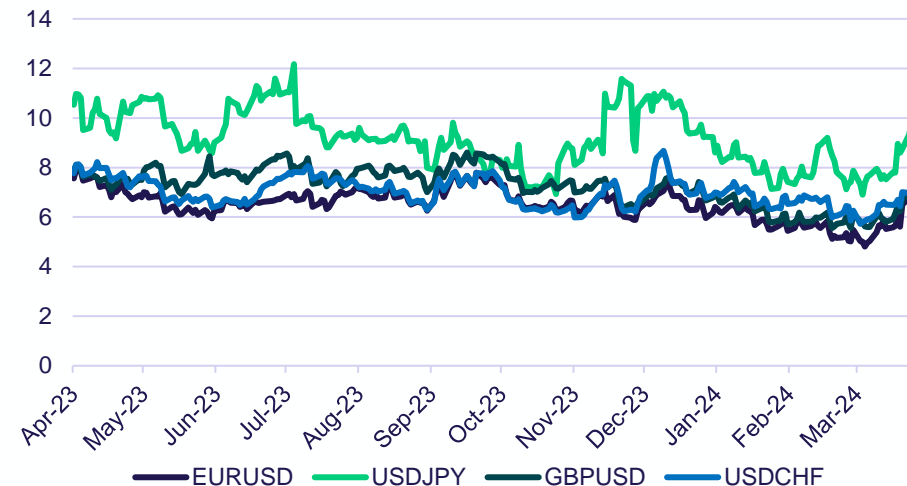


# FX Update – 22/04/2024

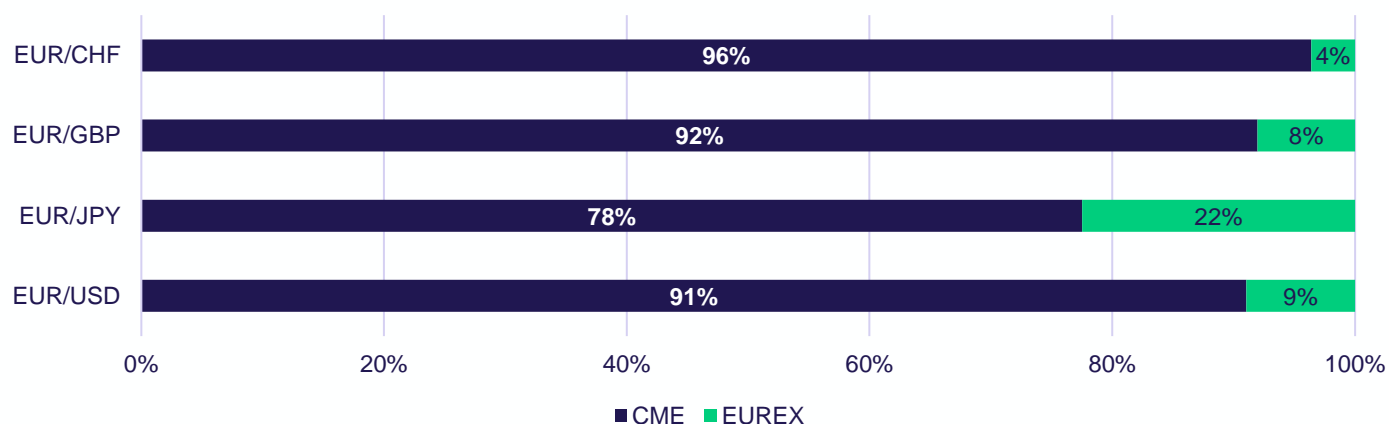
## Eurex - Foreign Exchange ETD

- The higher volatility in the FX markets is also reflected in the April volumes with currently 123k contracts traded (+202% year-on-year)
- The USD continued to be in demand last week as investors remained cautious due to fears in the Middle East and the decline in technology stocks. The biggest winners over the past week were CHF (+0.43%), CAD (+0.16%) and EUR (+0.135), while the biggest losers were JPY (-0.9%), NZD (-0.84%) and AUD (-0.69%)
- The EURUSD holds above the 1.06 level as daily stochastics start to turn up. USD/JPY keeps pushing on the bullish side with higher weekly lows. The next bigger resistance is around 155.87 on a weekly basis (June 1990 high).
- The most important economic events that will determine prices and volatility over the next few days are:
  - Tuesday – US New Home Sales
  - Wednesday – AUD CPI, US Durable Goods, CAD Retail Sales
  - Thursday – US GDP
  - Friday – BOJ Interest Rate Decision, AUD PPI, US PCE

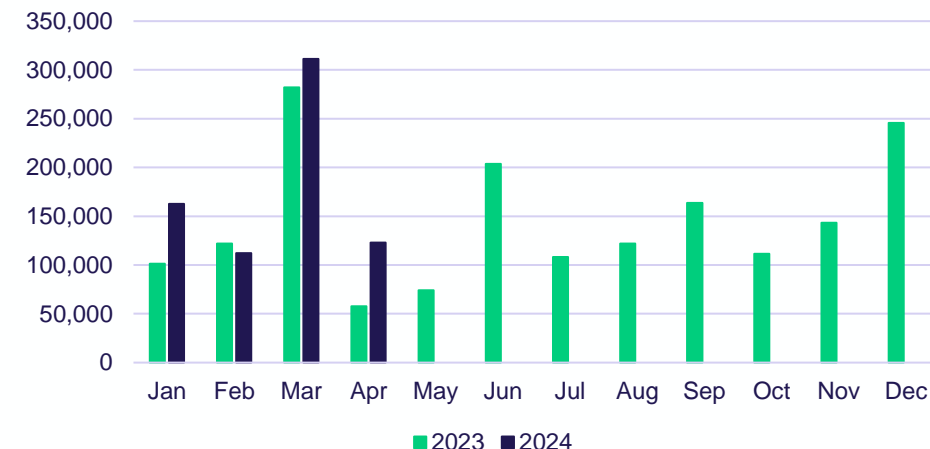
## 1 month at the money implied volatility



## Open Interest\*

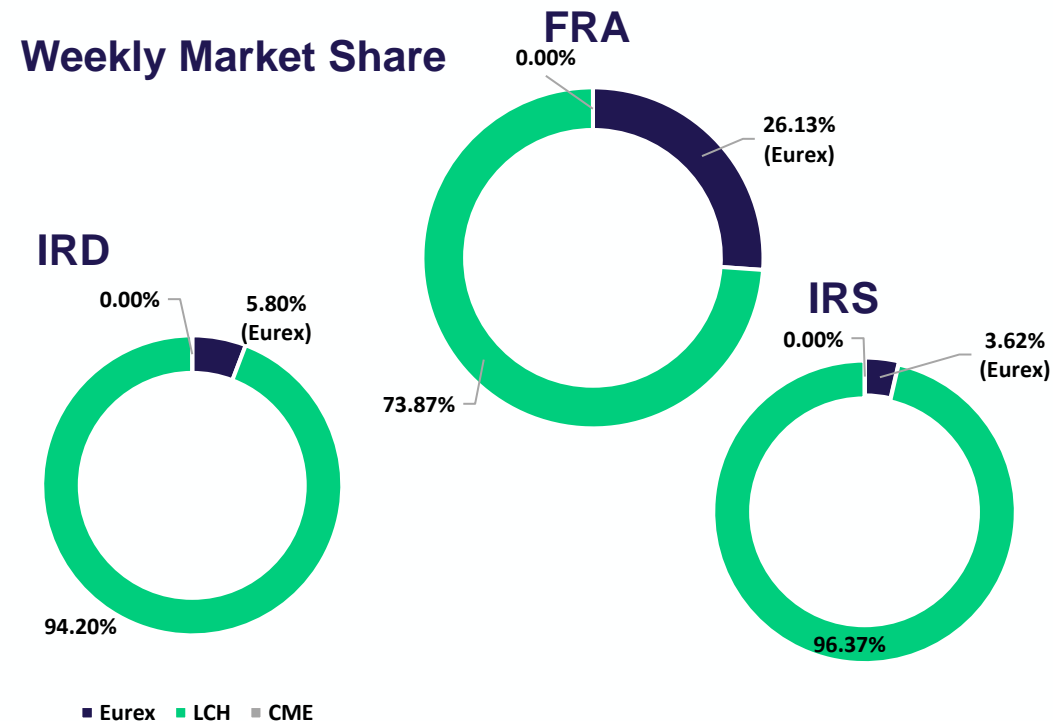
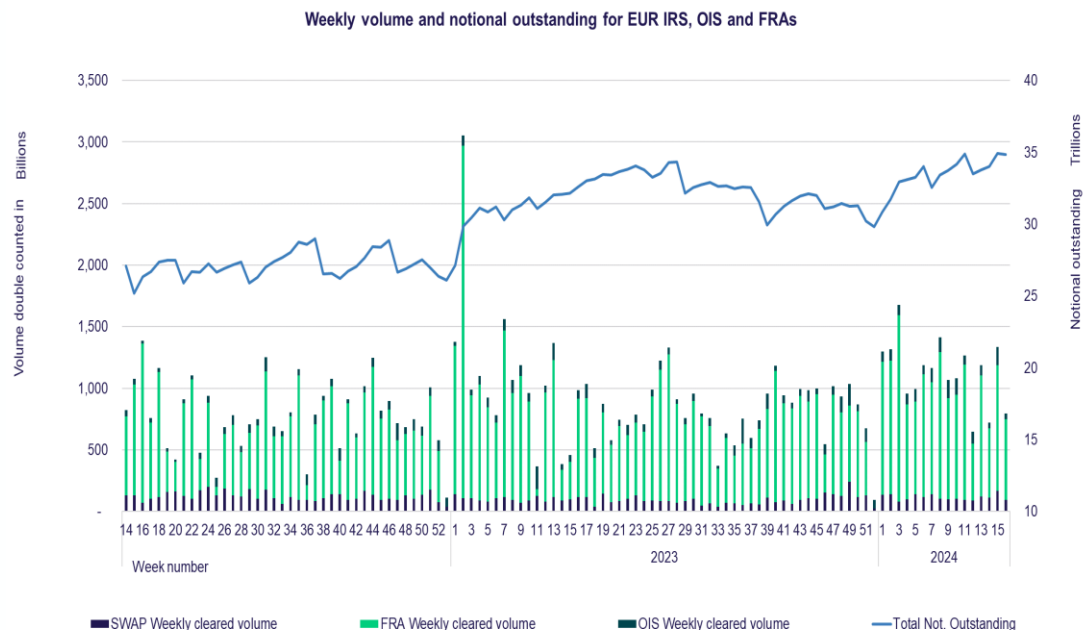


## FX Volume





# OTC Update – 22/04/24

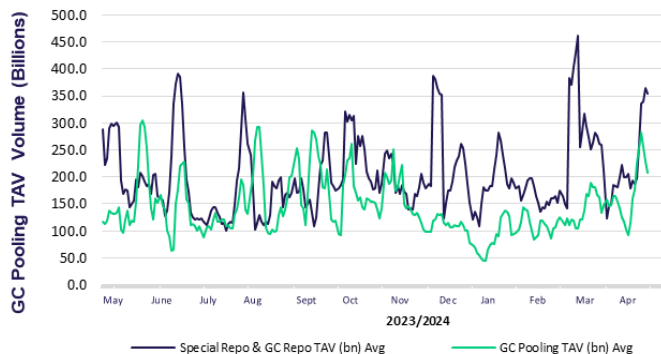


	Monthly ADV	2024 Monthly vs. 2023 Monthly ADV	Weekly ADV	Week on week change in ADV	Notional Outstanding	Year on Year change in Notional Outstanding
<b>Total</b>	190,415,501,469	▲ 19.64%	159,503,896,406	▼ -40.27%	34,854,211,819,467	▲ 28.49%
<b>IRS</b>	25,053,761,901	▲ 7.71%	18,825,693,303	▼ -43.96%	14,811,962,367,848	▲ 13.58%
<b>OIS</b>	16,164,034,800	▲ 1.00%	9,913,568,800	▼ -66.01%	3,549,259,282,200	▲ 45.59%
<b>FRA</b>	149,165,411,434	▲ 24.42%	130,764,634,303	▼ -35.98%	16,484,355,109,419	▲ 41.60%
<b>ZCIS</b>	32,293,333	▲ 326.16%	-	▬ 0.00%	8,635,060,000	▲ 76.94%

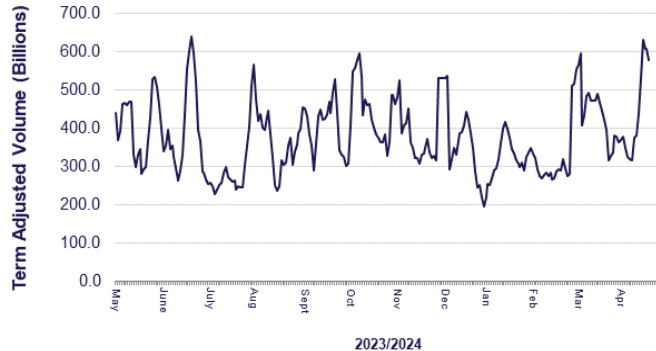


# Eurex Repo update – 22/04/2024

GC Pooling TAV (bn) and Special Repo & GC Repo TAV (bn) 5 day average



Total Term Adj. Volume (bn) 5 day average



Current Cleared Volume 5 day average



**Repo weekly update 15/04-19/04:**

- The EUR GC Pooling market was again highly animated particularly in the ECB classic basket in standard terms all the way from two weeks to twelve months with tight spreads all week visible in the order book, particularly in the three to six month term bucket and in trades with term date 1<sup>st</sup> July.
- Short-term EUR GC Pooling rates were broadly no different from the previous week with the exception that the EXT basket traded slightly wider to the ECB classic basket at around 2-3 basis points particularly in the middle of the week.
- One day GC Pooling volumes however were significantly higher than the previous week with around 70% more traded volume in the ECB and EXT ECB baskets combined in the Overnight.
- We saw EUR 500 million of FR govt bonds trading in three month term floating vs ESTR.
- Trading out to term date 12<sup>th</sup> June remains highly animated in all Euro govts.
- There was also a high point of activity in Specials trades with term date 1<sup>st</sup> July particularly in French govts both in fixed and floating rate format.
- Open repo Specials were back in evidence with several SSAs trading both fixed and floating rates.

**GC Pooling EUR overnight repo rate corridors:**

- ECB basket 3.96% to 3.985%
- EXT basket 3.975% to 4.03%

**Selected term volumes with trade weighted average rate:**

- 12 month ECB GC Pooling basket EUR 300mio @ 3.57%
- 6 month ECB GC Pooling basket EUR 1,040mio @ 3.79%
- 3 month ECB GC Pooling basket EUR 2,750mio @ 3.93%
- 3 month EXT ECB GC Pooling basket EUR 500mio @ 3.98%

- 1 month ECB GC Pooling basket EUR 630mio @ 3.98%
- 2 week ECB GC Pooling basket EUR 3,625mio @ 3.975%
- 2 week INT MXQ GC Pooling basket EUR 1,250mio @ 4.025%
- 1 month INT MXQ GC Pooling basket USD 326mio @ 5.41%
- 3 month INT MXQ GC Pooling basket USD 30mio @ 5.47%
- 12 month German Govt GC EUR 650mio @ 3.43%
- 12 month French Govt GC EUR 644mio @ 3.49%
- 6 month EFSF 10yr GC EUR 100mio @ 3.78%
- 1 month French 10yr Govt GC EUR 330mio @ 3.96%
- 1 month Eurogovt GC EUR 815mio @ 3.96%
- 2 week Spanish 10yr Govt GC basket EUR 150mio @ 3.95%
- Lowest repo rate:**
- 2.75% BPCECB 0.01 01/29/36 FR0014001MN0 Spot2week



# Circulars and News Highlights

## Circulars

Circular 038/2024	<u><a href="#">Money Market Derivatives: Changes to Inter-Product Spread Strategies and adjustment of Liquidity Provider schemes for Euribor and Euro STR Futures in PSS “Fixed Income 17”</a></u>
Circular 029/2024	<u><a href="#">T7 Production: Change of the Partition ID and/or multicast addresses for Money Market Index Futures (FEU3, FSR3, FST3), Inter-Product Spread (IPEE) and some Equity Options</a></u>
Circular 028/2024	<u><a href="#">Money Market Derivatives: Amendment of the Liquidity Provider schemes for EURIBOR and Euro STR Futures</a></u>

## Eurex in the News

11 April 2024	<u><a href="#">Fixed Income market briefing April 2024</a></u>
05 Apr 2024	<u><a href="#">March 2024 figures at Eurex</a></u>
27 Mar 2024	<u><a href="#">Future-proofing your FX portfolio</a></u>
01 Mar 2024	<u><a href="#">Fixed Income market briefing March 2024</a></u>
26 Feb 2024	<u><a href="#">How Index Evolution propels further growth of Derivatives</a></u>
22 Feb 2024	<u><a href="#">Transforming capital markets with generative AI</a></u>

## Upcoming Service Runs

22 <sup>nd</sup> April 2024 COB	Matchbook Run
20 <sup>th</sup> April 2024 COB	Reset Run
29 <sup>th</sup> April 2024 COB	Reset Run, Capitalab CCP Switch Service
1 <sup>st</sup> May 2024 COB	Matchbook Run

# Disclaimer

© Eurex 2024

Deutsche Börse AG (“DBAG”), Clearstream Banking AG (“Clearstream”), Eurex Frankfurt AG (“Eurex”), Eurex Clearing AG (“Eurex Clearing”) and Eurex Repo GmbH (“Eurex Repo”) are corporate entities and are registered under German law. Eurex Global Derivatives AG is a corporate entity and is registered under Swiss law. Clearstream Banking S.A. is a corporate entity and is registered under Luxembourg law. Eurex Frankfurt AG is the administrating and operating institution of Eurex Deutschland. Eurex Deutschland is in the following also referred to as the “Eurex Exchange”.

All intellectual property, proprietary and other rights and interests in this publication and the subject matter hereof (other than certain trademarks and service marks listed below) are owned by DBAG or its affiliates and subsidiaries or used under authorization by their respective owners, including, without limitation, all patent, registered design, copyright, trademark and service mark rights. While reasonable care has been taken in the preparation of this publication to provide details that are accurate and not misleading at the time of publication DBAG, Clearstream, Eurex, Eurex Clearing, Eurex Repo as well as the Eurex Exchange and their respective subsidiaries, servants and agents (a) do not make any representations or warranties regarding the information contained herein, whether express or implied, including without limitation any implied warranty of merchantability or fitness for a particular purpose or any warranty with respect to the accuracy, correctness, quality, completeness or timeliness of such information, and (b) shall not be responsible or liable for any third party’s use of any information contained herein under any circumstances, including, without limitation, in connection with actual trading or otherwise or for any errors or omissions contained in this publication.

This publication is published for information purposes only and shall not constitute investment advice respectively does not constitute an offer, solicitation or recommendation to acquire or dispose of any investment or to engage in any other transaction. This publication is not intended for solicitation purposes but only for use as general information. All descriptions, examples and calculations contained in this publication are for illustrative purposes only.

Eurex and Eurex Clearing offer services directly to members of the Eurex Exchange respectively to clearing members of Eurex Clearing. Those who desire to trade any products available on the Eurex market or who desire to offer and sell any such products to others or who desire to possess a clearing license of Eurex Clearing to participate in the clearing process provided by Eurex Clearing, should consider legal and regulatory requirements of those jurisdictions relevant to them, as well as the risks associated with such products, before doing so.

Only Eurex derivatives that are CFTC-approved may be traded via direct access in the United States or by United States persons.

A complete, up-to-date list of Eurex derivatives that are CFTC-approved is available at: <https://www.eurex.com/ex-en/rules-regs/eurex-derivatives-us/direct-market-access-from-the-us>.

In addition, Eurex representatives and participants may familiarize U.S. Qualified Institutional Buyers (QIBs) and broker-dealers with certain eligible Eurex equity options and equity index options pursuant to the terms of the SEC’s July 1, 2013 Class No-Action Relief.

A complete, up-to-date list of Eurex options that are eligible under the SEC Class No-Action Relief is available at: <https://www.eurex.com/ex-en/rules-regs/eurex-derivatives-us/eurex-options-in-the-us-for-eligible-customers>. Lastly, U.S. QIBs and broker-dealers trading on behalf of QIBs may trade certain single-security futures and narrow-based security index futures subject to terms and conditions of the SEC’s Exchange Act Release No. 60,194 (June 30, 2009), 74 Fed. Reg. 32,200 (July 7, 2009) and the CFTC’s Division of Clearing and Intermediary Oversight Advisory Concerning the Offer and Sale of Foreign Security Futures Products to Customers Located in the United States (June 8, 2010).

## Trademarks and Service Marks

Buxl®, DAX®, DivDAX®, eb.rexx®, Eurex®, Eurex Repo®, Strategy Wizard®, Euro GC®, FDAX®, FWB®, GC Pooling®, CPI®, MDAX®, ODAX®, SDAX®, TecDAX®, USD GC Pooling®, VDAX®, VDAX-NEW® and Xetra® are registered trademarks of DBAG or its affiliates and subsidiaries. MSCI®, EAFE®, ACWI® and all MSCI indexes (the “Indexes”), the data included therein, and service marks included therein are the intellectual property of MSCI Inc., its affiliates and/or their licensors (together, the “MSCI Parties”). The Indexes are provided “as is” and the user assumes the entire risk of any use it may make or permit to be made of the Indexes. No MSCI Party warrants or guarantees the originality, accuracy and/or completeness of the Indexes and each expressly disclaims all express or implied warranties. No MSCI Party shall have any liability for any errors or omissions in connection with any of the Indexes, or any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages. For full disclaimer see [msci.com/disclaimer](http://msci.com/disclaimer).

ATX®, ATX® five, CECE® and RDX® are registered trademarks of Vienna Stock Exchange AG. IPD® UK Quarterly Indexes are registered trademarks of Investment Property Databank Ltd. IPD and have been licensed for the use by Eurex for derivatives. SLI®, SMI® and SMIM® are registered trademarks of SIX Swiss Exchange AG. The STOXX® indexes, the data included therein and the trademarks used in the index names are the intellectual property of STOXX Limited and/or its licensors. Eurex derivatives based on the STOXX® indexes are in no way sponsored, endorsed, sold or promoted by STOXX and its licensors and neither STOXX nor its licensors shall have any liability with respect thereto. PCS® and Property Claim Services® are registered trademarks of ISO Services, Inc. Korea Exchange, KRX, KOSPI and KOSPI 200 are registered trademarks of Korea Exchange Inc. The names of other companies and third-party products may be trademarks or service marks of their respective owners.

FTSE® is a trademark of the London Stock Exchange Group companies and is used by FTSE International Limited under license. The names of other companies and third-party products may be trademarks or service marks of their respective owners.

PRIIPs: Eurex Deutschland qualifies as manufacturer of packaged retail and insurance-based investment products (PRIIPs) under Regulation (EU) No 1286/2014 on key information documents for packaged retail and insurance-based investment products (PRIIPs Regulation) and provides key information documents (KIDs) covering PRIIPs traded on Eurex Deutschland on its website under the following link: <https://www.eurex.com/ex-en/rules-regs/priips-kids>.

In addition, according to Art. 14(1) PRIIPs Regulation the person advising on, or selling, a PRIIP shall provide the KID to retail investors free of charge.