

MONTHLY INDEX NEWS



Newsletter updates

We regularly update this newsletter to include additional indices and consider layout modifications to the various sections. The STOXX World Equity indices section has been introduced in this month's issue, and the STOXX® Europe Luxury 10 index has been added to the Thematic indices section.

Table of Contents

Featured index.....	3
Benchmark indices	4
World Equity indices	5
DAX indices.....	6
DAX ESG indices	7
ESG Broad Market indices	8
ESG Target indices.....	9
ESG Target TE indices	10
SRI indices.....	11
ESG-X indices	12
ESG and Sustainability indices	13
Climate indices – Paris-Aligned Benchmark indices.....	14
Climate indices – Climate Transition Benchmark indices.....	15
Climate indices – Impact, Change Leaders and Awareness indices	16
Climate indices – Willis Towers Watson Climate Transition Indices	17
Low Carbon indices	18
Thematic indices	19
Factor indices – Global	21
Factor indices – Regional: Europe	22
Factor indices – Regional: US	23
Factor indices – Regional: Asia/Pacific	24
ESG-X Factor indices – Global.....	25
ESG-X Factor indices – Regional: Europe.....	26
ESG-X Factor indices – Regional: US	27
ESG-X Factor indices – Regional: Asia/Pacific	28
Industry Neutral Factor indices.....	29
Europe Factor Market Neutral indices.....	30
Minimum Variance indices	31
Dividend indices.....	32
Volatility indices	33
Volatility Strategy indices.....	34

Featured index

Last month, Samsung Asset Management introduced an ETF that tracks the [STOXX® Europe Luxury 10](#). The index captures Europe's leading manufacturers of high-end clothing, watches and vehicles, which own some of the world's most iconic premium brands.

The STOXX Europe Luxury 10 index allows investors a more targeted way to tap the boom in luxury-goods spending, one that could not be achieved with a traditional sector index.

Composition starts with the universe of stocks in the STOXX® Europe Total Market Index that belong to the following ICB Subsectors: Clothing and Accessories, Luxury Items, Apparel Retailers, Medical Supplies, Footwear, Recreational Vehicles and Boats, and Automobiles. From there, a 'luxury' screen that includes sales exposure to 20 RBICS sectors, minimum revenue threshold to those sectors, and selected countries filters the final index constituents. All eligible companies are ranked according to their free-float market capitalization multiplied by the aggregate exposure to the targeted theme.

The index's introduction comes at a time when luxury companies are beating most other industries amid strong demand from Asian and young consumers. In spite of a global economic slowdown, the STOXX Europe Luxury 10 index has gained 26.4% in 2023, compared with a 22.1% advance for the broader [STOXX® Europe 600 Industry Consumer Discretionary](#) index. The [STOXX® Europe 600](#) benchmark has climbed 11.4% this year.

The STOXX Europe Luxury 10 has surged 234% since 2016, more than twice the returns of its benchmark and of the STOXX Europe 600 Industry Consumer Discretionary (Exhibit 1). It has also logged three times the performance of the [STOXX® Consumer Staples Index](#), with analysts saying luxury-goods makers can better pass on cost inflation to consumers.

Figure 1: Performance



Source: Qontigo. USD gross returns. Normalized at 1,000 on June 20, 2016.

Benchmark indices

Key points

Stocks rose in April following better-than-expected economic and earnings reports, and amid signs that inflation in key regions continues to cool.

The [STOXX® Global 1800 index](#) added 1.8% last month in dollars and including dividends. The index added 0.2% in euros after the greenback fell 1.6% against the common currency.

The Eurozone's [EURO STOXX 50®](#) gained 1.8% in euros in the month and the pan-European [STOXX® Europe 600](#) rose 2.6%. The [STOXX® North America 600](#) climbed 1.4% in dollars, while the [STOXX® USA 500](#) added 1.3%. The [STOXX® Asia/Pacific 600](#) gained 0.4% in dollars.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX 50	1.8	16.3	18.8	3.4	20.4	24.3	6.4	16.4	19.3	10.7	21.6	25.5
2. STOXX Europe 600	2.6	11.4	7.0	4.3	15.2	12.0	6.0	12.9	16.3	9.3	17.9	22.4
3. STOXX Global 1800	0.2	6.0	-0.9	1.8	9.6	3.7	10.2	12.5	17.0	9.3	12.8	19.1
4. STOXX Global 1800 ex USA	1.3	7.1	2.3	2.9	10.8	7.1	5.6	8.5	11.9	8.2	12.7	17.6
5. STOXX USA 500	-0.3	5.5	-2.4	1.3	9.1	2.2	14.5	17.0	22.2	12.2	15.8	22.9
6. STOXX USA 900	-0.5	5.1	-2.6	1.1	8.7	1.9	14.1	17.1	22.3	12.3	16.0	23.0
7. STOXX North America 600	-0.2	5.3	-2.8	1.4	8.9	1.8	13.7	16.6	21.7	12.0	15.6	22.5
8. STOXX Asia/Pacific 600	-1.2	1.2	-2.6	0.4	4.7	1.9	9.9	14.4	14.9	10.6	13.9	17.2

Risk and return performance figures for STOXX Benchmark indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

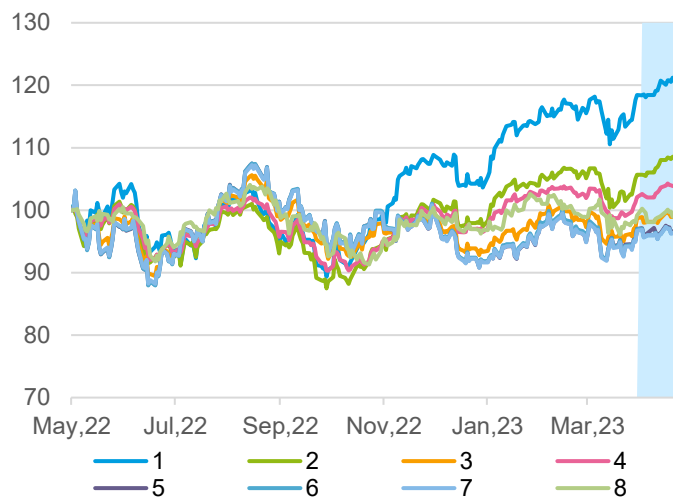


Figure 1: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

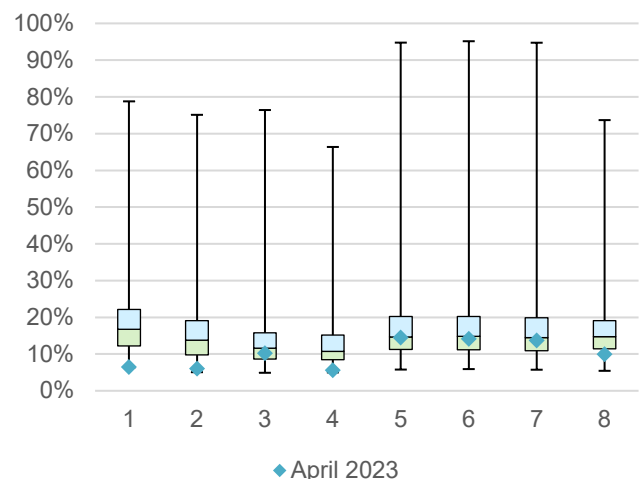


Figure 2: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

World Equity indices

Key points

The [STOXX® World Equity](#) indices are a modular suite that allows investors to flexibly build portfolios covering a broad and liquid universe of markets.

Introduced in 2022, the STOXX World Equity indices comprise Qontigo's largest pool of markets and stocks to date. With turnover and market-capitalization filters in the stock selection to ensure they are tradable and representative, the indices track the performance of large-, mid- and small-cap stocks from a full range of developed and emerging markets, as well as derived sector strategies.

There are two defining features of the STOXX World Equity indices: their exhaustive scope and their modularity. The suite can be used as the basis to create highly targeted solutions in the three focus areas of sustainability, factors and thematics.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX World AC	-0.1	5.3	-2.0	1.5	8.9	2.5	10.0	11.8	15.9	8.7	12.0	17.9
2. STOXX Developed World	0.2	6.1	-1.0	1.8	9.7	3.6	10.3	12.7	17.2	9.3	12.9	19.2
3. STOXX Emerging Markets	-2.6	-0.7	-10.1	-1.0	2.7	-5.9	10.8	13.4	17.3	8.1	13.2	17.6
4. STOXX Developed Europe	2.6	11.4	7.4	4.3	15.2	12.4	5.8	12.6	16.0	10.3	17.8	22.1
5. STOXX Asia Pacific AC	-2.4	0.3	-6.5	-0.8	3.7	-2.1	8.3	13.2	15.2	7.3	12.7	16.4
6. STOXX North America	-0.2	5.5	-2.8	1.4	9.1	1.7	13.9	16.7	21.8	11.8	15.7	22.6
7. STOXX US	-0.3	5.6	-2.6	1.3	9.2	1.9	14.2	17.1	22.3	12.0	16.0	23.0

Risk and return performance figures for STOXX World Equity indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 3: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

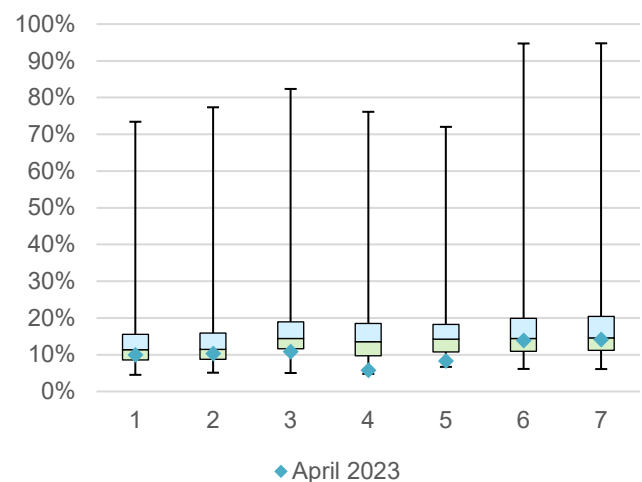


Figure 4: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

DAX indices

Key points

Germany's DAX family is led by [DAX®](#), the blue-chip benchmark. [MDAX®](#) and [SDAX®](#), respectively, gauge the performance of the country's mid- and small-caps. [TecDAX®](#) tracks German technology companies. [HDAX®](#) groups all equities that belong to either DAX, MDAX or TecDAX.

The five indices displayed their lowest volatility levels in a year last month.

Risk and return characteristics

	(EUR) Return (%)			(EUR) Annualized volatility (%)		
	1M	YTD	1Y	1M	YTD	1Y
1. DAX	1.9	14.4	12.9	6.8	15.5	19.2
2. MDAX	0.7	10.9	-7.4	11.4	20.1	24.6
3. SDAX	5.0	15.8	-0.1	11.7	19.0	23.8
4. TecDAX	-1.7	11.9	4.5	10.8	17.4	22.6
5. HDAX	1.8	14.0	10.4	7.0	15.8	19.6

Risk and return performance figures for DAX indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 5: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

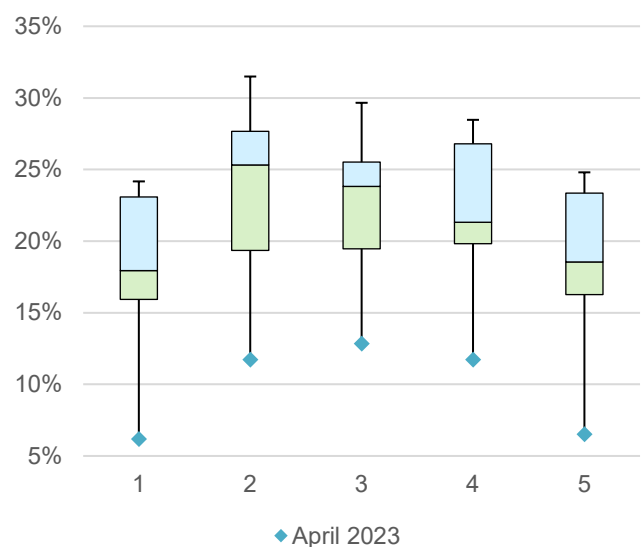


Figure 6: Monthly annualized volatility analysis, EUR gross return. May 2022 – Apr. 2023. Source: Qontigo.

DAX ESG indices

Key points

Qontigo offers four sustainable options as indices for German equities: [DAX® 50 ESG](#), [DAX® ESG Target](#), [DAX® ESG Screened](#) and [MDAX® ESG Screened](#). All four had positive returns in the month that ended.

Risk and return characteristics

	(EUR) Return (%)			(EUR) Annualized volatility (%)		
	1M	YTD	1Y	1M	YTD	1Y
1. DAX 50 ESG	1.4	13.9	9.6	7.9	16.2	19.6
2. DAX ESG Target	2.1	13.7	11.3	7.3	15.4	19.4
3. DAX ESG Screened	1.6	14.3	11.9	7.4	15.6	19.4
4. MDAX ESG Screened	0.8	9.5	-7.8	11.4	20.0	24.6

Risk and return performance figures for DAX indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 7: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

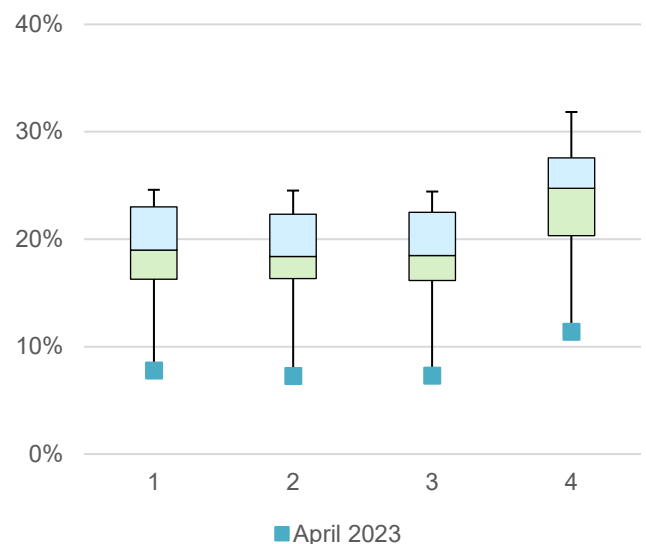


Figure 8: Monthly annualized volatility analysis, EUR gross return. May 2022 – Apr. 2023. Source: Qontigo.

ESG Broad Market indices

Key points

The [STOXX® ESG Broad Market](#) indices apply a set of compliance, product involvement and ESG performance exclusionary screens on a starting benchmark universe until only the 80% top ESG-rated constituents remain. Companies that are non-compliant based on Sustainalytics' Global Standards Screening assessment or are involved in controversial weapons are not eligible for selection. Additional filters exclude companies involved in tobacco production, thermal coal, unconventional oil and gas, small arms, military contracting and ESG controversies.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX ESG Broad Market	1.4	13.8	12.0	3.1	17.7	17.2	6.4	15.5	18.4	10.7	20.8	24.7
2. STOXX Europe 600 ESG Broad Market	2.6	11.7	7.0	4.3	15.6	12.0	6.2	13.0	16.2	9.4	17.9	22.3
3. STOXX Global 1800 ESG Broad Market	0.1	6.9	-1.0	1.7	10.5	3.6	10.1	12.5	17.1	9.4	13.0	19.3
4. STOXX North America 600 ESG Broad Market	-0.4	6.1	-3.2	1.2	9.7	1.3	13.9	16.8	22.1	12.3	15.9	22.9
5. STOXX USA 500 ESG Broad Market	-0.4	6.5	-2.9	1.2	10.2	1.6	14.7	17.2	22.7	12.5	16.2	23.4
6. STOXX USA 900 ESG Broad Market	-0.6	5.6	-2.9	1.0	9.3	1.6	14.9	17.4	22.6	12.6	16.3	23.3
7. STOXX Asia/Pacific 600 ESG Broad Market	-1.2	1.4	-2.8	0.4	4.9	1.7	9.9	14.3	14.9	10.6	13.9	17.3
8. STOXX Japan 600 ESG Broad Market	-1.1	3.0	-0.4	0.4	6.5	4.2	11.7	17.6	17.3	12.6	16.6	19.0

Risk and return performance figures for STOXX ESG Broad Market indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 9: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

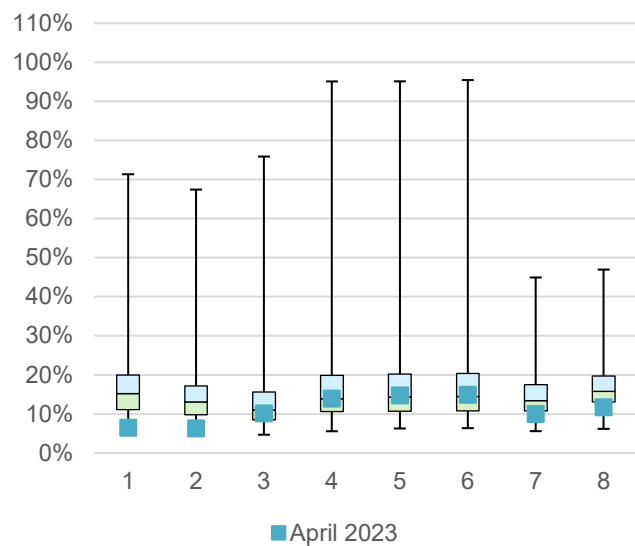


Figure 10: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG Target indices

Key points

The [STOXX® ESG Target indices](#) seek to significantly improve the benchmark portfolio's ESG profile, while mirroring its returns as closely as possible.

The indices follow a similar initial selection methodology as the STOXX ESG Broad Market Indices. From that selection pool they implement, through a series of constraints, an optimization process to maximize the overall ESG score of the portfolio while constraining the tracking error to the benchmark.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX ESG Target	1.5	13.9	11.4	3.1	17.8	16.6	6.2	15.7	18.7	10.3	21.0	25.1
2. STOXX Europe 600 ESG Target	2.7	11.4	6.7	4.3	15.2	11.7	6.2	13.0	16.4	9.5	18.0	22.6
3. STOXX Global 1800 ESG Target	0.4	6.1	-1.0	2.1	9.8	3.6	9.8	12.3	17.1	9.3	12.9	19.4
4. STOXX North America 600 ESG Target	-0.3	5.2	-3.2	1.4	8.8	1.3	13.7	16.6	21.9	12.1	15.7	22.8
5. STOXX USA 500 ESG Target	-0.3	5.6	-2.3	1.3	9.3	2.2	14.3	16.9	22.3	12.0	15.9	23.1
6. STOXX USA 900 ESG Target	-0.4	5.1	-2.6	1.2	8.7	1.9	14.6	17.2	22.5	12.4	16.2	23.3
7. STOXX Asia/Pacific 600 ESG Target	-0.9	1.6	-2.8	0.7	5.1	1.7	10.3	14.5	15.0	10.8	14.1	17.4
8. STOXX Japan 600 ESG Target	-0.8	3.5	-0.2	0.8	7.1	4.4	11.9	17.7	17.4	12.7	16.7	19.0

Risk and return performance figures for STOXX ESG Target indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 11: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

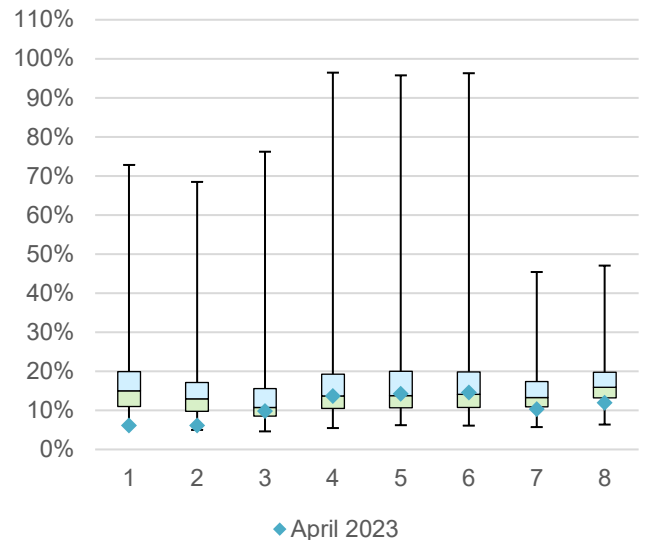


Figure 12: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG Target TE indices

Key points

The [STOXX® ESG Target TE indices](#) follow a similar methodology to the ESG Target indices, but the optimization imposes a tracking error minimization, subject to a constraint of improving the ESG score of the resulting portfolio.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX ESG Target TE	1.5	13.7	11.4	3.1	17.6	16.6	6.2	15.6	18.6	10.4	20.9	24.9
2. STOXX Europe 600 ESG Target TE	2.5	11.6	6.7	4.2	15.5	11.7	6.0	13.0	16.4	9.4	18.0	22.6
3. STOXX Global 1800 ESG Target TE	0.3	6.2	-1.0	1.9	9.8	3.6	10.1	12.3	17.0	9.3	12.8	19.2
4. STOXX North America 600 ESG Target TE	-0.2	5.1	-3.0	1.4	8.7	1.5	13.6	16.5	21.8	11.9	15.5	22.6
5. STOXX USA 500 ESG Target TE	-0.2	5.4	-2.8	1.4	9.0	1.7	14.4	16.9	22.2	12.0	15.8	22.9
6. STOXX USA 900 ESG Target TE	-0.5	4.9	-3.1	1.1	8.5	1.4	14.6	17.1	22.4	12.3	16.1	23.1
7. STOXX Asia/Pacific 600 ESG Target TE	-1.0	1.6	-2.6	0.6	5.1	1.9	9.9	14.3	14.9	10.6	14.0	17.2
8. STOXX Japan 600 ESG Target TE	-1.0	3.2	-0.2	0.6	6.7	4.5	11.7	17.6	17.3	12.7	16.6	18.9

Risk and return performance figures for STOXX ESG Target TE indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 13: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

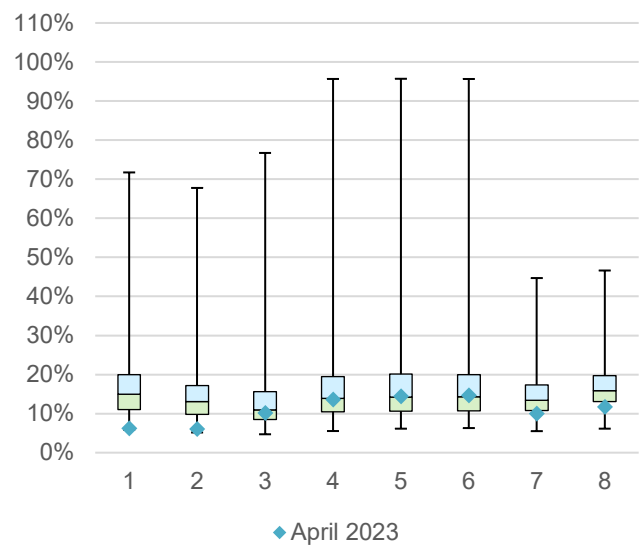


Figure 14: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

SRI indices

Key points

The [STOXX® SRI \(Socially Responsible Investing\) indices](#) apply a set of involvement, carbon emission intensity and compliance screens, and additionally track the best ESG performers in each industry group within a selection of STOXX benchmarks.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX SRI	0.7	14.3	9.4	2.3	18.3	14.5	6.7	14.6	18.6	10.8	19.9	24.9
2. STOXX Europe 600 SRI	2.2	12.5	6.6	3.9	16.4	11.5	7.4	12.2	15.2	9.9	17.1	21.2
3. STOXX Global 1800 SRI	0.1	6.5	0.0	1.7	10.2	4.6	8.5	10.5	15.7	7.6	11.9	18.5
4. STOXX North America 600 SRI	-1.4	5.6	-2.7	0.2	9.3	1.8	14.1	16.4	21.8	11.7	15.6	22.6
5. STOXX USA 500 SRI	-1.5	5.6	-2.6	0.1	9.2	1.9	14.7	16.8	22.3	11.9	15.8	22.9
6. STOXX Asia/Pacific 600 SRI	-0.9	1.6	-3.6	0.8	5.1	0.9	10.4	14.8	15.2	10.6	14.3	17.6
7. STOXX Japan 600 SRI	-1.0	2.8	-0.5	0.6	6.4	4.1	11.9	18.1	17.7	12.3	17.1	19.4

Risk and return performance figures for STOXX ESG SRI indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

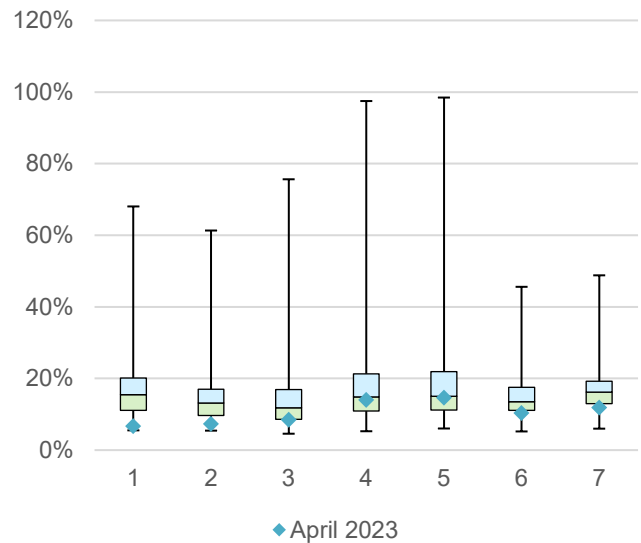
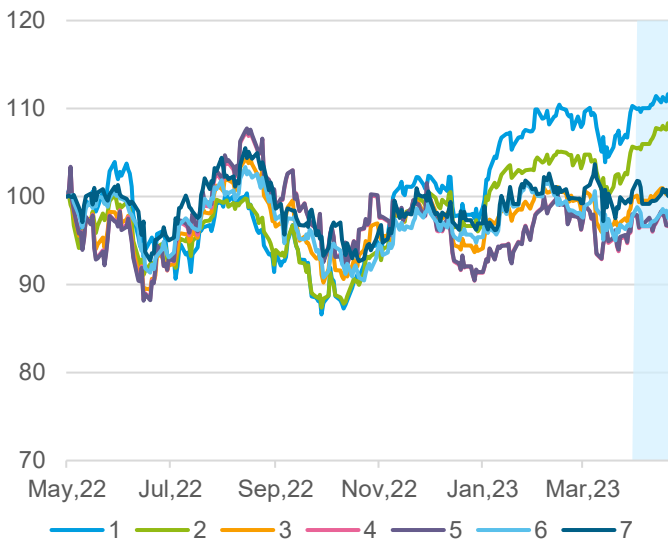


Figure 15: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 16: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG-X indices

Key points

The [STOXX ESG-X indices](#) are versions of traditional, market-capitalization-weighted benchmarks that observe [standard responsible exclusions](#). They incorporate basic norm- and product-based exclusion criteria to comply with ESG principles. Companies are excluded based on Sustainalytics' determination of non-compliance with their Global Standards Screening assessment or if they have a 'severe' ESG risk rating from the data provider. Companies involved in controversial weapons, small arms, military contracting, unconventional oil and gas, tobacco and thermal coal (extraction or use for power generation) are also removed.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX 50 ESG-X	1.6	16.3	18.4	3.2	20.3	23.9	7.0	16.3	19.3	11.2	21.5	25.5
2. STOXX Europe 600 ESG-X	2.6	11.4	6.7	4.3	15.3	11.7	6.3	13.0	16.4	9.5	18.0	22.5
3. STOXX Global 1800 ESG-X	0.1	6.1	-1.1	1.7	9.7	3.5	10.1	12.6	17.1	9.4	13.0	19.3
4. STOXX USA 500 ESG-X	-0.5	5.7	-2.7	1.1	9.4	1.8	14.7	17.2	22.6	12.5	16.1	23.2
5. STOXX North America 600 ESG-X	-0.4	5.4	-3.0	1.2	9.1	1.5	13.9	16.8	22.0	12.3	15.9	22.9
6. STOXX Asia/Pacific 600 ESG-X	-1.3	1.1	-2.9	0.3	4.6	1.7	9.9	14.4	14.9	10.6	14.0	17.2

Risk and return performance figures for STOXX ESG-X indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

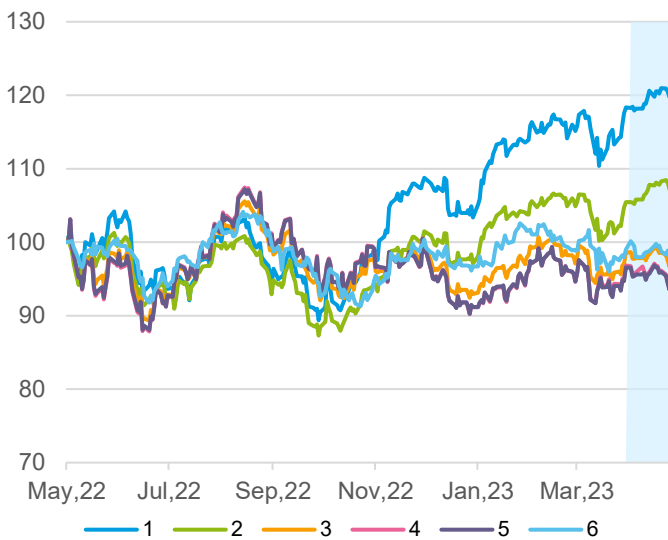


Figure 17: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

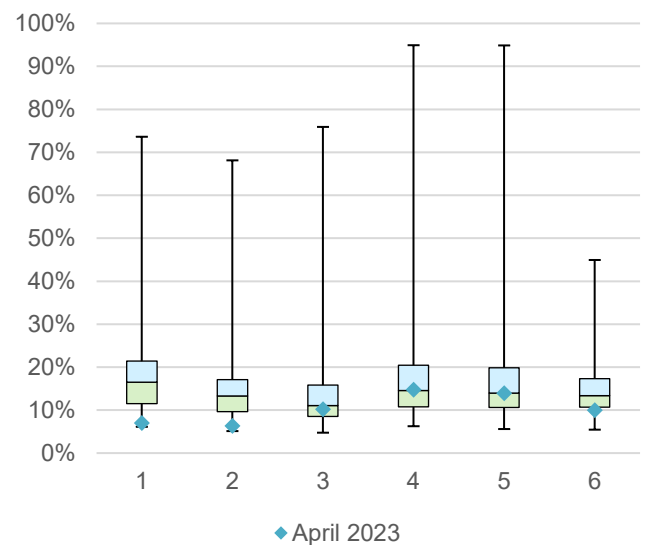


Figure 18: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG and Sustainability indices

Key points

Among the STOXX ESG and Sustainability indices, the [EURO STOXX 50® ESG](#) index underperformed its benchmark by 36 basis points during the month.

The [STOXX® Global ESG Select KPIs index](#), on the other hand, outperformed the STOXX Global 1800 by 116 basis points. The STOXX ESG Select KPIs Indices offer a broad market exposure that is tilted towards companies that score better with respect to a small set of environmental, social, and governance key performance indicators.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX 50 ESG	1.4	14.8	16.7	3.1	18.7	22.1	6.3	16.5	19.3	10.4	21.7	25.5
2. STOXX Europe Industry Neutral ESG	2.6	11.4	6.7	4.2	15.3	11.7	6.0	12.8	16.2	9.2	17.8	22.3
3. STOXX North America Industry Neutral ESG	0.0	4.6	-1.3	1.7	8.2	3.3	13.0	16.1	20.8	11.4	15.0	21.5
4. STOXX Global ESG Select KPIs	1.3	8.7	1.7	3.0	12.5	6.4	9.4	11.8	16.3	9.2	12.6	18.9
5. STOXX USA ESG Select KPIs	0.5	7.2	-0.6	2.1	10.9	4.0	14.7	17.2	22.4	12.4	16.1	23.2
6. STOXX Europe ESG Leaders Select 30	4.5	12.0	-2.5				8.2	12.7	15.3			

Risk and return performance figures for STOXX ESG and Sustainability indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

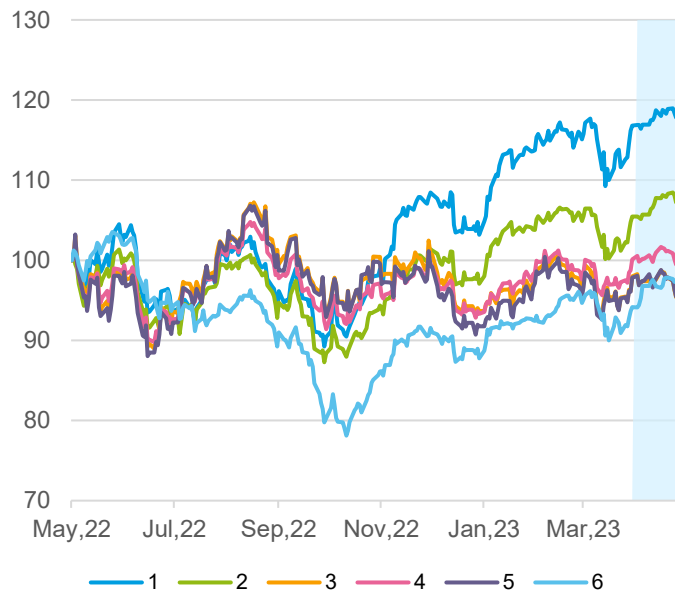


Figure 19: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

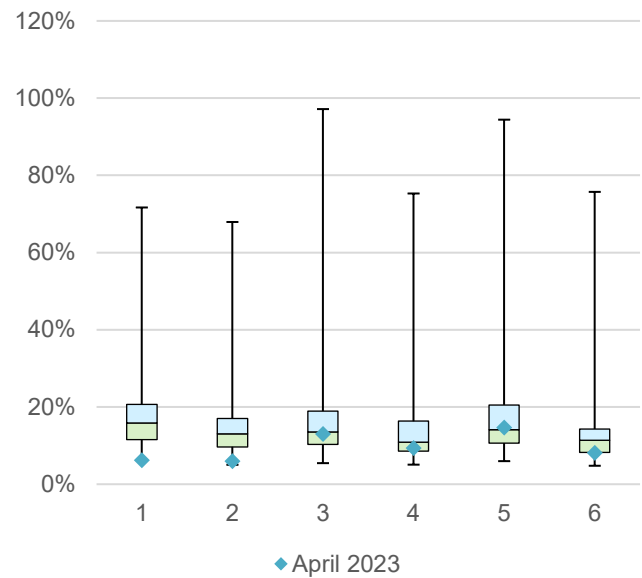


Figure 20: Monthly annualized volatility analysis, EUR gross return. Oct. 2012 – Apr. 2023. Source: Qontigo.

Climate Indices – Paris-Aligned Benchmark indices

Key points

The [STOXX Paris-Aligned Benchmark indices \(PABs\)](#) are based on liquid securities from a selection of STOXX Benchmark indices and follow the [EU Paris-aligned Benchmark \(EU PAB\) requirements](#) outlined by the European Commission’s Regulation (EU) 2020/1818, supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council on climate benchmarks.

Those requirements are designed such that the resulting PAB portfolio’s greenhouse gas (GHG) emissions are aligned with the long-term global warming target of the Paris Climate Agreement. The indices incorporate stringent carbon limitations in the selection of holdings, in line with global commitments to work towards keeping global warming between 1.5°C and 2°C above pre-industrial levels.

We have partnered with Sustainalytics for datasets relating to their Global Standards Screening and controversial weapons, and with ISS ESG for climate-related data such as Scope 1 to Scope 3 emissions, science-based climate targets, and others.

The [STOXX® Global 1800 PAB](#) underperformed its benchmark by 30 basis points in April.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX PAB	1.4	16.0	11.5	3.0	20.0	16.7	6.2	14.9	18.1	10.2	20.2	24.3
2. EURO STOXX TMI PAB	1.3	15.8	11.3	3.0	19.8	16.5	6.1	14.9	18.0	10.1	20.2	24.3
3. STOXX Europe 600 PAB	2.5	14.1	8.7	4.1	18.0	13.7	7.0	12.6	16.0	9.8	17.5	22.1
4. STOXX Global 1800 PAB	-0.1	8.9	-0.7	1.5	12.7	3.9	10.6	12.9	17.6	10.2	13.6	19.9
5. STOXX USA 500 PAB	-1.3	7.5	-3.7	0.3	11.2	0.8	15.2	17.7	22.8	13.1	16.7	23.4
6. STOXX USA 900 PAB	-1.3	7.1	-3.7	0.3	10.8	0.8	15.3	17.7	22.7	13.2	16.7	23.3

Risk and return performance figures for STOXX Paris-Aligned Benchmark indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 21: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

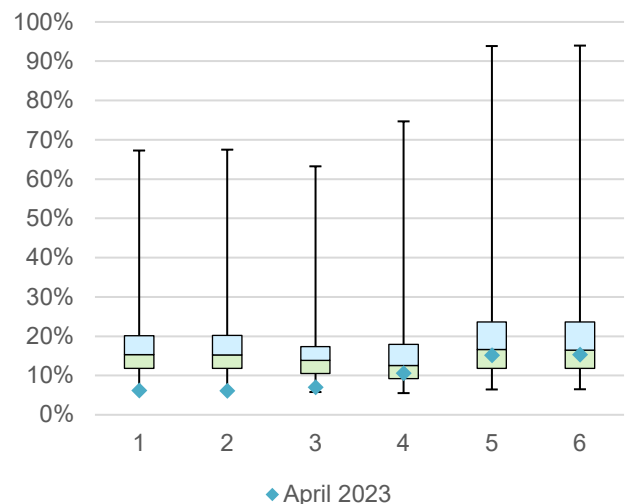


Figure 22: Monthly annualized volatility analysis, EUR gross return. Apr. 2018 – Apr. 2023. Source: Qontigo.

Climate indices – Climate Transition Benchmark indices

Key points

The [STOXX Climate Transition Benchmark indices \(CTBs\)](#) are based on liquid securities from a selection of STOXX Benchmark Indices and follow the [EU Climate Transition Benchmark \(EU CTB\) requirements](#) outlined by the European Commission’s Regulation (EU) 2020/1818, supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council on climate benchmarks.

Those requirements are designed such that the resulting CTB portfolio is on a decarbonization trajectory.

As with the Paris-Aligned Benchmarks, we have partnered with Sustainalytics for exclusions datasets, and with ISS ESG for climate-related data, science-based climate targets and others.

The [STOXX® Global 1800 CTB](#) underperformed its benchmark by 21 basis points in April.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX CTB	1.7	15.9	11.7	3.3	19.9	16.9	5.7	14.7	17.9	9.8	20.1	24.1
2. EURO STOXX TMI CTB	1.6	15.7	11.4	3.3	19.6	16.5	5.6	14.7	17.8	9.7	20.0	24.1
3. STOXX Europe 600 CTB	2.7	13.9	7.9	4.3	17.8	12.9	6.7	12.4	15.9	9.4	17.3	22.0
4. STOXX Global 1800 CTB	0.0	8.5	-0.5	1.6	12.2	4.1	10.4	12.9	17.2	9.9	13.5	19.5
5. STOXX USA 500 CTB	-1.3	6.4	-4.0	0.2	10.1	0.5	15.1	17.5	22.4	13.0	16.5	23.0
6. STOXX USA 900 CTB	-1.3	6.2	-3.8	0.3	9.9	0.7	15.1	17.5	22.4	12.9	16.5	23.0

Risk and return performance figures for STOXX Climate Transition Benchmark indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

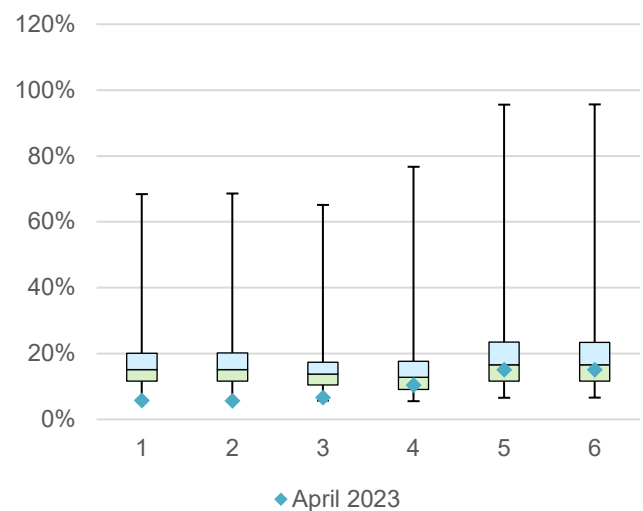
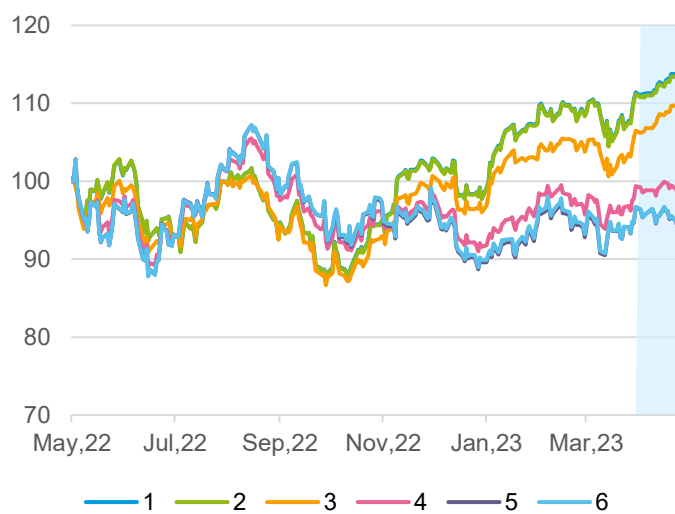


Figure 23: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 24: Monthly annualized volatility analysis, EUR gross return. Apr. 2018 – Apr. 2023. Source: Qontigo.

Climate Indices – Impact, Change Leaders and Awareness indices

Key points

Among other STOXX Climate Indices, the [STOXX® Global Climate Change Leaders index](#) beat the STOXX Global 1800 index by 114 basis points last month. The Climate Change Leaders index selects corporate pioneers that are publicly committed to reducing their carbon footprint.

The [STOXX® Global Climate Impact Ex Global Compact Controversial Weapons & Tobacco index](#), meanwhile, outperformed the STOXX Global 1800 Index by 68 basis points. The STOXX Climate Impact Ex Global Compact Controversial Weapons & Tobacco Indices include companies that are leading in terms of climate change as well as those that are managing the effect of climate-related issues. They additionally exclude companies in contravention of global norms, and those involved with coal, tobacco or controversial weapons.

We have partnered with CDP, a leading climate data provider, to track companies taking action on, managing and understanding the effects of climate change.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe Climate Impact*	2.5	13.3	9.4	4.1	17.2	14.5	6.2	13.1	15.9	9.5	17.9	21.9
2. STOXX Global Climate Impact*	0.9	8.4	2.7	2.5	12.2	7.5	9.2	11.5	15.6	8.8	12.1	17.9
3. STOXX North America Climate Impact*	-0.1	6.0	0.1	1.5	9.6	4.8	13.9	16.3	20.8	12.3	15.2	21.4
4. STOXX Asia/Pacific Climate Impact*	-1.0	1.7	-1.1	0.6	5.2	3.5	10.5	15.7	15.6	11.2	15.0	17.6
5. STOXX Global Climate Change Leaders	1.3	9.0	1.5	3.0	12.7	6.2	7.5	10.4	12.8	8.2	11.7	16.2
6. iSTOXX Europe ESG Climate Awareness Select	4.4	13.7	3.4	6.1	17.6	8.2	4.9	9.7	13.3	8.3	14.7	19.1

Risk and return performance figures for STOXX Climate indices, gross return. Data as of Apr. 28, 2023. *Indices are the Ex Global Compact Controversial Weapons & Tobacco versions. Source: Qontigo.

Index and volatility performance

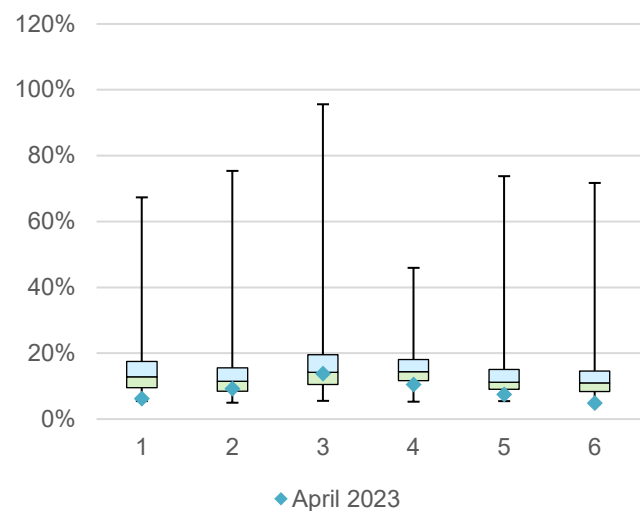
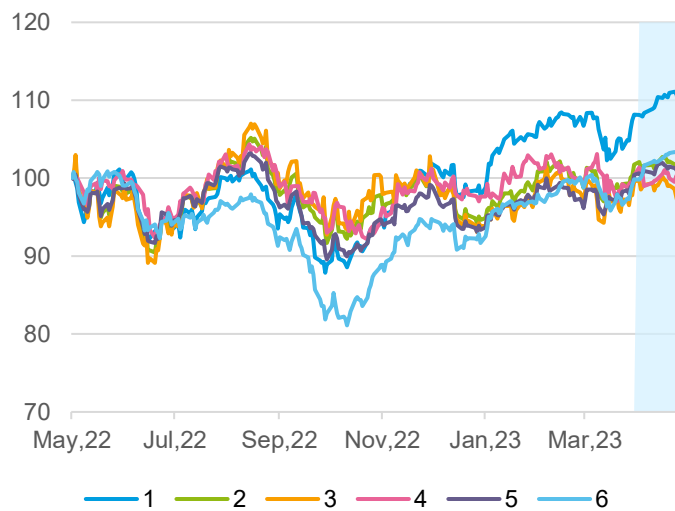


Figure 25: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 26: Monthly annualized volatility analysis, EUR gross return. Jan. 2013 – Apr. 2023. Source: Qontigo.

Climate Indices - Willis Towers Watson Climate Transition Indices

Key points

The [STOXX Willis Towers Watson Climate Transition Indices \(CTI\)](#) employ a unique Climate Transition Value at Risk (CTVaR) methodology that quantifies the anticipated impact of an economic transition on equity valuations. The CTIs enable a more sophisticated way of managing climate transition risk, one that looks beyond carbon emissions and makes a forward-looking, bottom-up evaluation of asset repricing risks in a decarbonization pathway.

By using the CTVaR projections, the indices tilt towards companies that are expected to fare well and away from companies that are expected to experience meaningful losses in value as the economy moves to a global-temperature scenario of “well below” 2°C.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Willis Towers Watson Europe 600 Climate Transition	2.4	11.9	6.4	4.1	15.7	11.4	6.3	12.7	16.5	9.3	17.7	22.6
2. STOXX Willis Towers Watson World Climate Transition	0.0	6.7	-1.8	1.6	10.4	2.8	10.4	13.1	18.0	9.6	13.4	20.0
3. STOXX Willis Towers Watson USA 500 Climate Transition	-0.6	5.9	-3.5	1.0	9.6	0.9	14.8	17.5	23.0	12.5	16.4	23.6

Risk and return performance figures for STOXX Willis Towers Watson Climate Transition Indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 27: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

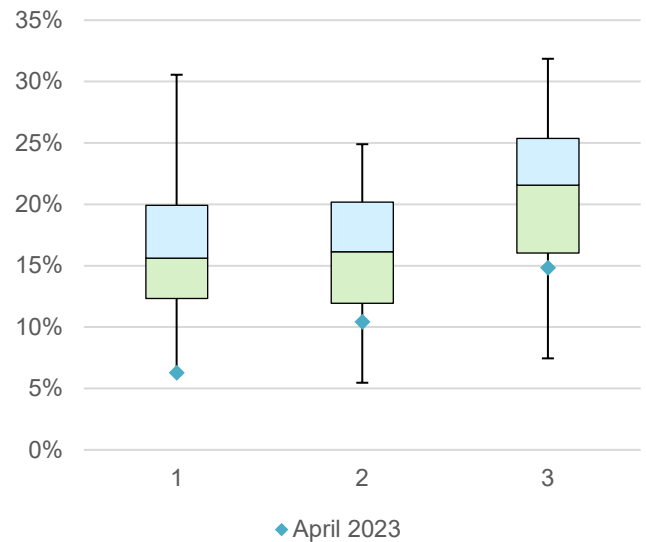


Figure 28: Monthly annualized volatility analysis, EUR gross return. Jul. 2021 – Apr. 2023. Source: Qontigo.

Low Carbon indices

Key points

Among the [STOXX Low Carbon indices](#), the [EURO STOXX® 50 Low Carbon index](#) performed in line with the EURO STOXX 50 in April.

The STOXX Low Carbon indices were designed to help reduce the carbon footprint of portfolios and limit their exposure to climate-related risks. They use data from CDP and ISS ESG.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX 50 Low Carbon	1.7	16.9	19.9	3.4	20.9	25.5	6.6	16.6	19.4	10.7	21.8	25.6
2. STOXX Europe 600 Low Carbon	2.8	11.5	7.4	4.4	15.4	12.4	6.2	12.7	16.1	9.3	17.7	22.2
3. STOXX Global 1800 Low Carbon	0.2	5.9	-0.4	1.8	9.5	4.2	10.5	12.4	16.9	9.5	12.8	19.1
4. STOXX Global 1800 ex Europe Low Carbon	-0.5	4.1	-2.5	1.1	7.7	2.0	12.6	14.5	19.0	10.8	13.4	20.0
5. STOXX USA Low Carbon	-0.5	4.6	-2.3	1.1	8.2	2.2	14.4	16.9	22.1	12.4	15.8	22.7
6. STOXX Japan Low Carbon	-1.0	2.6	0.1	0.6	6.2	4.8	12.3	18.0	17.7	13.2	17.0	19.4

Risk and return performance figures for STOXX Low Carbon indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

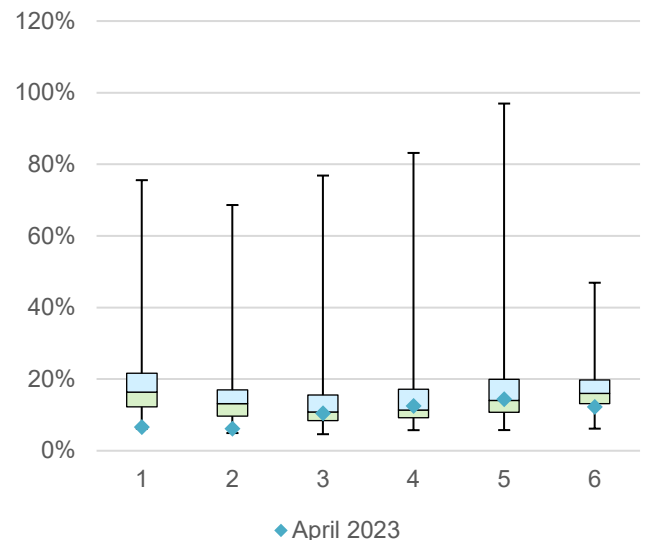
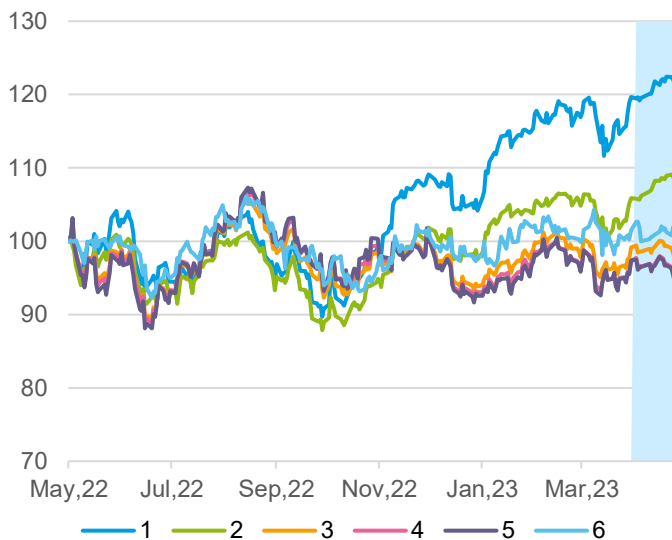


Figure 29: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 30: Monthly annualized volatility analysis, EUR gross return. Jan. 2012 – Apr. 2023. Source: Qontigo.

Thematic indices

Key points

The [STOXX Thematic indices](#) seek exposure to the economic upside of disruptive global megatrends.

It was a difficult month for the strategies, with 19 of the 26 Thematic indices featured in this newsletter underperforming the STOXX Global 1800.

The [STOXX® Global Smart Cities](#) index showed the steepest loss in April (-9.6%). The [STOXX Europe Luxury 10](#) index led gains with a 4.6% advance.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe Luxury 10	2.9	26.4	35.8	4.6	30.7	42.2	20.0	21.6	26.3	22.7	26.0	31.6
2. STOXX Global Ageing Population	1.8	-0.1	-2.0	3.5	3.3	2.5	10.3	12.6	16.2	8.8	12.4	18.1
3. STOXX Global Artificial Intelligence	-5.4	19.5	-5.8	-3.8	23.6	-1.4	18.7	26.7	33.8	18.5	27.1	35.5
4. STOXX Global Automation & Robotics	-5.9	9.2	-2.0	-4.4	13.0	2.6	12.6	16.8	24.0	12.7	18.3	26.8
5. STOXX Global Breakthrough Healthcare	0.2	-1.5	-2.0	1.8	1.9	2.6	15.0	16.2	22.6	14.0	15.1	23.7
6. STOXX Global Broad Infrastructure	1.0	2.6	-3.9	2.6	6.1	0.6	9.2	10.7	12.7	7.5	10.2	14.8
7. STOXX Global Digital Entertainment and Education	-4.8	12.2	-1.3	-3.2	16.0	3.2	11.2	18.4	25.0	11.4	18.7	26.9
8. STOXX Global Digital Security	-6.3	1.5	-10.9	-4.8	5.0	-6.8	11.3	17.3	22.3	13.3	17.9	24.4
9. STOXX Global Digitalisation	-2.0	7.0	-9.3	-0.4	10.7	-5.1	15.7	18.9	25.7	15.5	19.8	28.0
10. STOXX Global Electric Vehicles & Driving	-7.9	8.7	-0.2	-6.4	12.4	4.5	15.6	17.3	21.0	15.3	18.8	23.8
11. STOXX Global Fintech	-0.5	5.2	-8.4	1.1	8.9	-4.2	13.7	18.2	23.9	12.7	18.2	25.9
12. STOXX Global Health & Weight Loss	0.7	7.8	2.5	2.3	11.5	7.3	10.8	13.8	19.0	11.3	13.8	20.8
13. STOXX Global Housing Construction	-3.5	7.8	-2.9	-2.0	11.5	1.6	17.3	17.4	21.7	15.9	18.5	23.8

Risk and return performance figures for STOXX Thematic indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

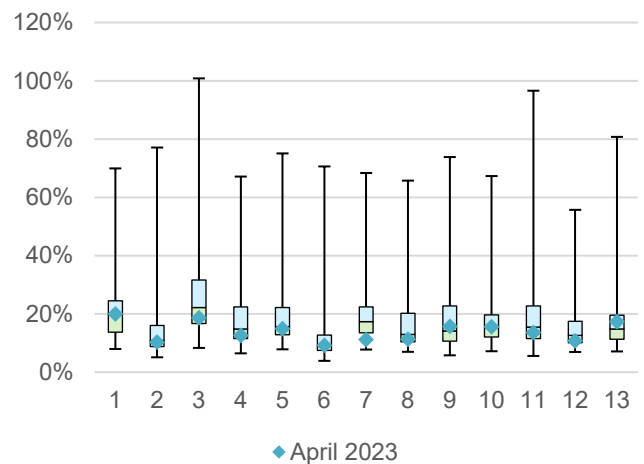
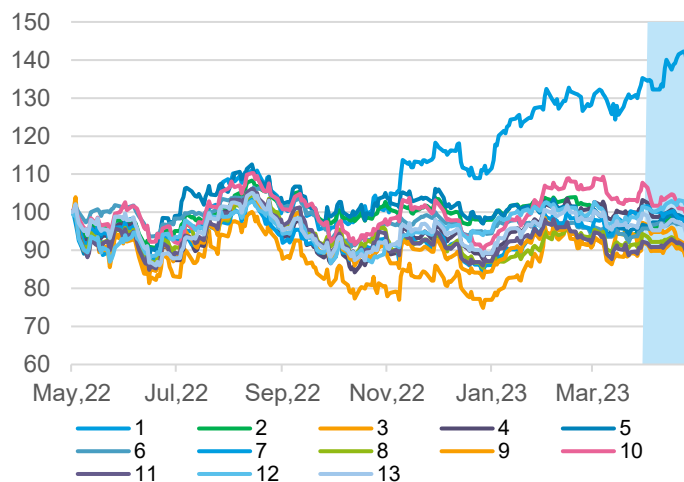


Figure 31: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 32: Monthly annualized volatility analysis, EUR gross return. Jul. 2015 – Apr. 2023. Source: Qontigo.

Thematic indices (cont.)

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
14. STOXX Global Industry 4.0	-5.9	6.1	-7.4	-4.4	9.8	-3.1	12.1	17.1	23.8	12.4	18.6	26.0
15. STOXX Global Metaverse	-2.4	16.7	-6.2	-0.9	20.7	-1.8	16.7	22.1	27.6	15.7	21.9	29.1
16. STOXX Global Millennials	-0.5	17.3	0.0	1.1	21.4	4.6	17.9	21.0	27.8	18.1	21.2	29.5
17. STOXX Global Next Generation Telecoms	-2.9	5.6	-8.3	-1.3	9.2	-4.0	13.8	14.3	17.9	12.1	14.3	19.1
18. STOXX Global Pet Care	2.5	5.5	-0.1	4.2	9.1	4.5	12.3	13.8	16.5	10.2	12.1	17.2
19. STOXX Global Sharing Economy	0.6	18.6	2.3	2.2	22.6	7.1	18.7	22.3	29.6	18.2	22.5	31.7
20. STOXX Global Silver Economy	-1.0	8.9	-3.1	0.6	12.6	1.4	12.8	15.8	22.0	11.8	16.2	23.7
21. STOXX Global Smart Cities	-11.0	4.4	-16.5	-9.6	8.0	-12.6	20.9	24.1	30.6	20.0	25.0	32.3
22. STOXX Global Smart City Infrastructure	-3.0	3.9	-4.3	-1.5	7.5	0.1	12.4	12.7	17.0	11.7	14.2	20.0
23. STOXX Global Smart Factory	-7.9	8.8	-4.5	-6.4	12.5	0.0	16.5	20.6	27.0	15.8	22.2	28.9
24. STOXX Global Video Gaming & eSports	-1.2	21.7	3.8	0.4	25.9	8.7	12.5	18.4	23.3	12.0	19.0	25.3
25. STOXX USA ETF Industry				-1.3	-1.1	1.0				15.8	20.7	25.5
26. iSTOXX Developed Markets B.R.A.I.N.	-0.6	11.0	9.9	1.0	14.8	15.0	10.7	14.1	19.4	9.5	13.6	20.8

Risk and return performance figures for STOXX Thematic indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

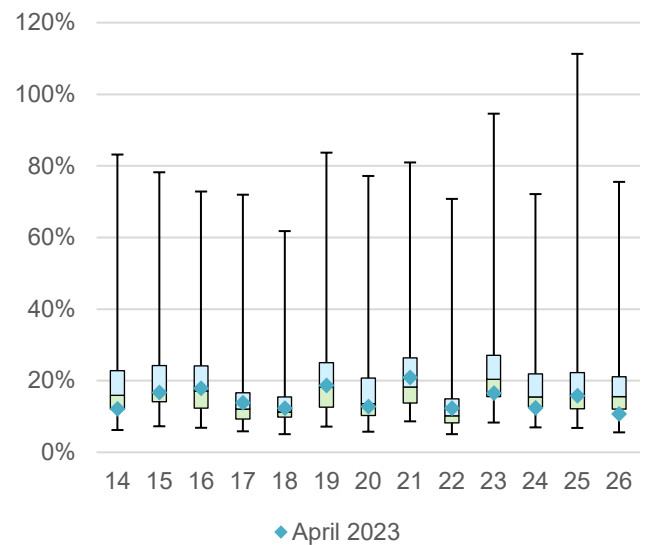
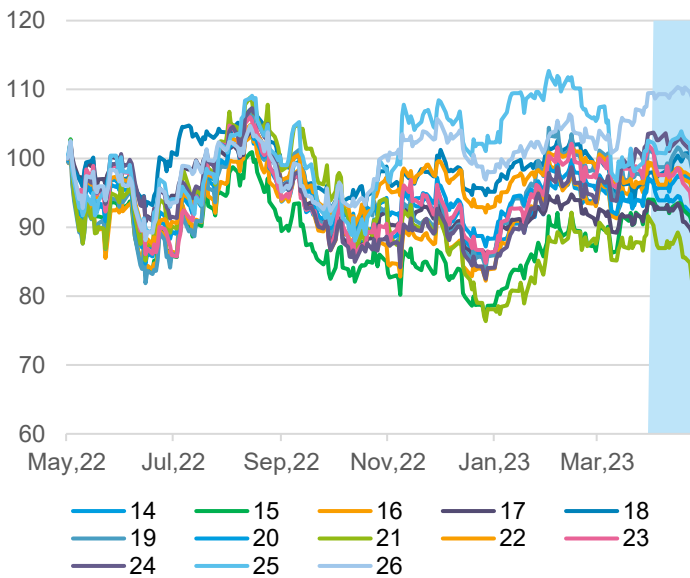


Figure 33: 13-22, 25 show EUR gross return index performance, 23 shows USD performance; May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 34: Monthly annualized volatility analysis, EUR gross return. Jul. 2016 – Apr. 2023. Source: Qontigo.

Factor indices – Global

Key points

The [STOXX Factor indices](#) offer robust factor definitions and targeted factor exposures, and ensure the tradability of component stocks. They employ the institutionally tested analytics of Axioma Factor Risk Models.

On a global basis, Low Risk was the leading style in April.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Global 1800 Ax Low Risk	1.6	4.1	-1.3	3.2	7.7	3.3	9.6	10.7	13.5	6.7	9.4	14.5
2. STOXX Global 1800 Ax Momentum	0.1	2.9	-4.5	1.7	6.4	0.0	11.5	12.5	19.2	10.5	12.8	21.1
3. STOXX Global 1800 Ax Multi-Factor	-0.5	3.0	-2.2	1.1	6.6	2.4	12.2	12.1	15.3	10.7	11.9	17.0
4. STOXX Global 1800 Ax Quality	-1.6	5.0	1.1	0.0	8.6	5.8	12.4	12.5	16.9	11.6	13.2	19.3
5. STOXX Global 1800 Ax Size	-1.6	0.2	-5.2	0.0	3.7	-0.8	11.9	13.5	16.9	11.0	14.1	19.6
6. STOXX Global 1800 Ax Value	-1.1	2.4	-2.5	0.5	5.9	2.0	13.9	14.4	16.8	13.0	15.2	19.3
7. STOXX Global 1800 ex USA Ax Low Risk	2.6	6.7	-0.6	4.3	10.4	4.0	5.1	6.0	8.8	7.5	9.2	13.9
8. STOXX Global 1800 ex USA Ax Momentum	1.2	5.8	0.9	2.8	9.4	5.5	8.9	10.5	14.7	11.8	14.2	20.0
9. STOXX Global 1800 ex USA Ax Multi-Factor	0.8	6.1	-1.8	2.4	9.7	2.7	6.7	9.2	11.6	9.9	12.1	16.5
10. STOXX Global 1800 ex USA Ax Quality	-0.1	5.2	-1.3	1.5	8.9	3.3	7.8	10.3	15.0	11.7	14.2	20.6
11. STOXX Global 1800 ex USA Ax Size	1.2	6.5	-0.5	2.8	10.1	4.2	7.4	10.1	13.7	11.6	14.4	19.7
12. STOXX Global 1800 ex USA Ax Value	1.2	6.7	1.3	2.9	10.4	6.0	9.9	12.3	13.4	13.5	16.0	19.0

Risk and return performance figures for STOXX Factor (Global) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

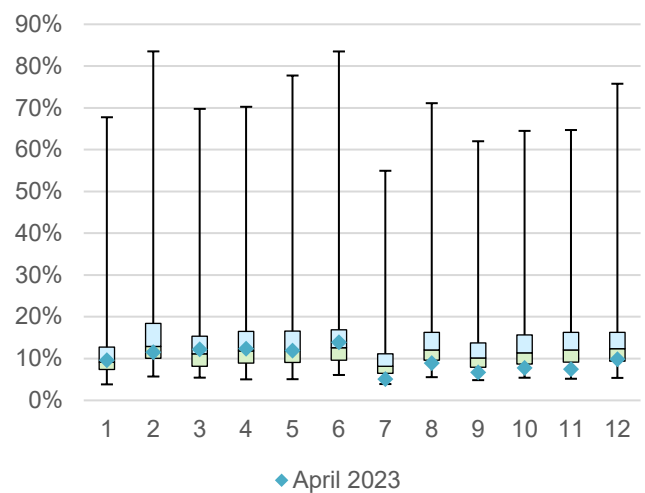
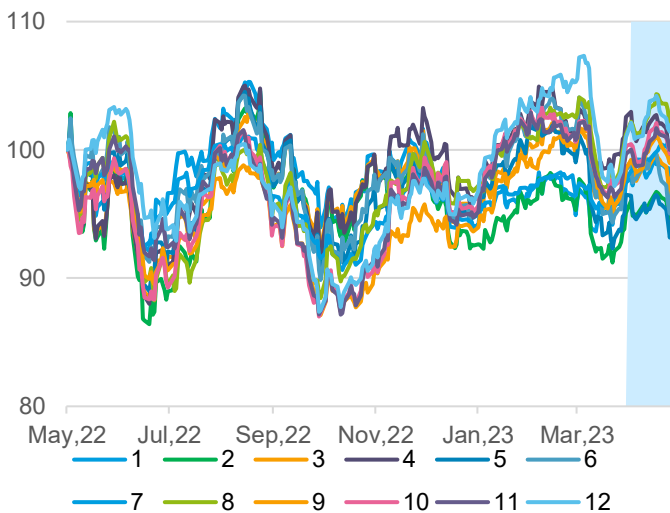


Figure 35: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 36: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

Factor indices – Regional: Europe

Key points

Only two of six signals tracked by the STOXX Factor indices outperformed the benchmark STOXX Europe 600 last month: Low Risk and Size.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe 600 Ax Low Risk	4.5	13.5	3.0	6.2	17.4	7.8	6.1	8.9	12.7	7.9	13.7	18.5
2. STOXX Europe 600 Ax Momentum	1.3	8.7	3.5	2.9	12.5	8.4	9.0	15.0	18.5	12.4	19.8	24.3
3. STOXX Europe 600 Ax Multi-Factor	2.1	9.0	-1.3	3.8	12.7	3.3	7.1	12.4	16.4	10.4	17.3	22.3
4. STOXX Europe 600 Ax Quality	1.3	10.9	1.5	2.9	14.7	6.2	9.7	15.6	20.0	13.4	20.5	26.1
5. STOXX Europe 600 Ax Size	3.1	9.6	-2.2	4.8	13.4	2.4	8.6	15.3	19.2	11.6	20.3	25.4
6. STOXX Europe 600 Ax Value	2.3	8.9	0.4	3.9	12.7	5.1	10.0	15.0	17.1	12.2	19.5	23.0

Risk and return performance figures for STOXX Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

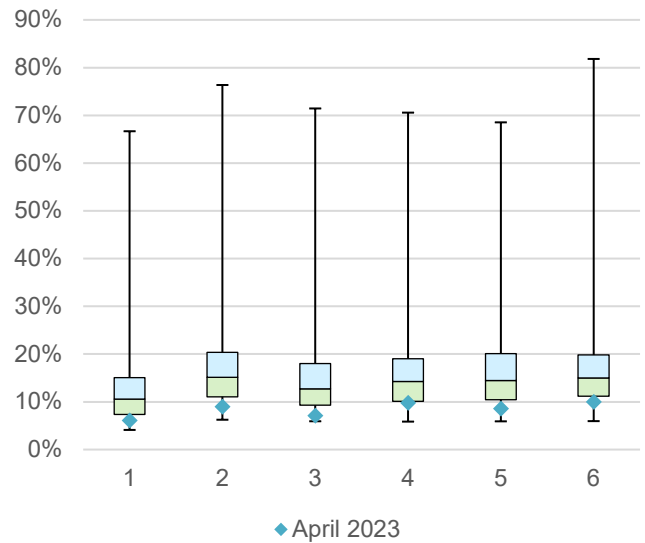
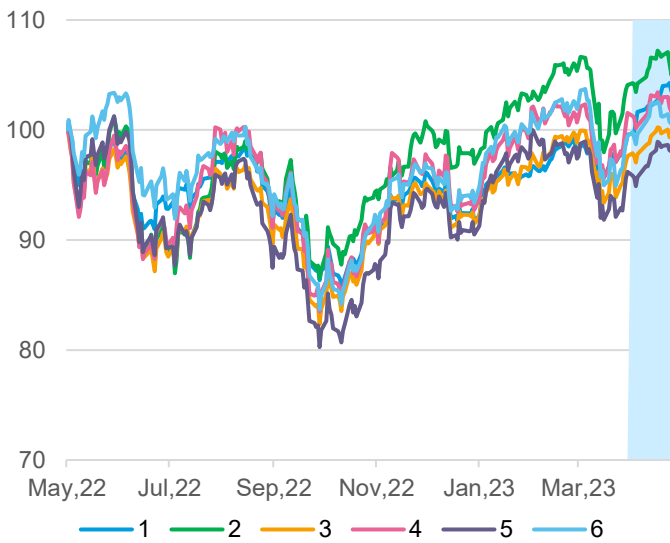


Figure 37: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 38: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

Factor indices – Regional: US

Key points

Within US markets, it was also the Low Risk factor that came up first in the month.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX USA 500 Ax Low Risk	0.6	3.1	-2.2	2.2	6.6	2.3	13.7	15.5	19.4	10.3	13.6	19.3
2. STOXX USA 500 Ax Momentum	-1.0	1.7	-6.0	0.6	5.2	-1.6	15.2	16.8	22.8	12.3	15.6	23.5
3. STOXX USA 500 Ax Multi-Factor	-2.2	1.0	-3.5	-0.6	4.5	1.0	16.7	17.0	21.8	13.8	15.8	22.3
4. STOXX USA 500 Ax Quality	-1.3	6.2	0.5	0.3	9.9	5.1	16.2	17.4	23.4	14.9	16.7	24.2
5. STOXX USA 500 Ax Size	-2.2	1.7	-3.4	-0.6	5.2	1.1	15.2	17.7	22.7	12.8	16.6	23.4
6. STOXX USA 500 Ax Value	-0.4	1.5	-5.2	1.2	5.0	-0.8	16.8	18.5	22.6	13.6	17.2	23.5
7. STOXX USA 900 Ax Low Risk	0.4	2.6	-2.9	2.1	6.1	1.6	14.1	15.6	19.4	10.7	13.7	19.3
8. STOXX USA 900 Ax Momentum	-1.0	1.8	-7.1	0.6	5.3	-2.8	14.4	17.0	22.9	11.3	15.8	23.5
9. STOXX USA 900 Ax Multi-Factor	-2.3	1.0	-4.6	-0.7	4.5	-0.2	17.1	17.9	22.6	14.3	16.9	23.3
10. STOXX USA 900 Ax Quality	-2.0	5.2	-1.0	-0.4	8.9	3.6	16.4	17.7	23.7	15.0	17.0	24.5
11. STOXX USA 900 Ax Size	-2.1	0.3	-2.1	-0.5	3.8	2.4	15.8	18.1	22.7	12.9	16.9	23.3
12. STOXX USA 900 Ax Value	-0.8	0.2	-6.5	0.8	3.6	-2.2	17.0	19.1	22.9	13.9	17.9	23.9

Risk and return performance figures for STOXX Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo

Index and volatility performance

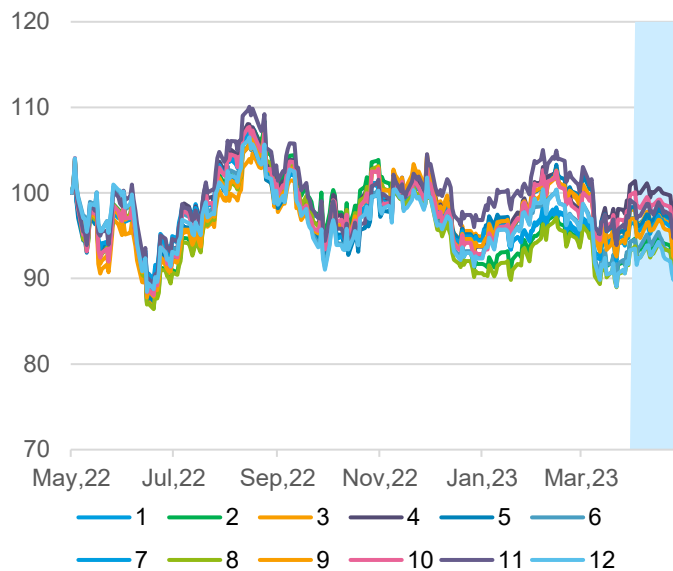


Figure 39: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

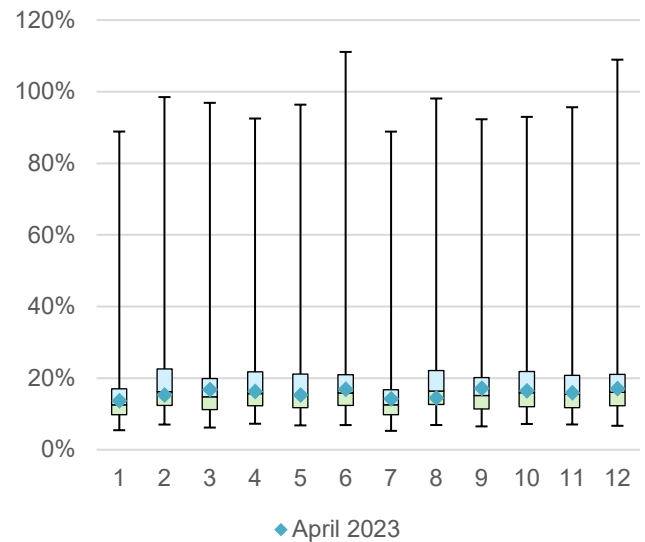


Figure 40: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

Factor indices – Regional: Asia/Pacific

Key points

In the Asia/Pacific and Japan markets, Low Risk also led gains among factors last month. The benchmark [STOXX® Japan 600 index](#) advanced 0.6% in dollars.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Asia/Pacific 600 Ax Low Risk	0.0	1.2	-3.6	1.6	4.6	0.9	7.4	11.4	11.6	9.3	10.8	13.7
2. STOXX Asia/Pacific 600 Ax Momentum	-1.2	-0.3	-4.2	0.4	3.1	0.3	11.5	16.9	17.3	12.7	16.7	19.4
3. STOXX Asia/Pacific 600 Ax Multi-Factor	-1.2	2.7	0.4	0.4	6.2	5.1	11.8	16.4	15.4	12.9	15.5	16.9
4. STOXX Asia/Pacific 600 Ax Quality	-1.2	-0.2	-4.6	0.4	3.2	-0.1	11.7	15.6	17.4	13.4	15.5	19.9
5. STOXX Asia/Pacific 600 Ax Size	-0.5	0.4	-0.7	1.1	3.9	3.9	11.4	15.4	15.3	13.6	15.4	17.7
6. STOXX Asia/Pacific 600 Ax Value	-0.8	4.1	1.6	0.8	7.6	6.3	11.7	17.8	16.0	13.4	16.9	17.6
7. STOXX Japan 600 Ax Low Risk	-0.5	2.2	-1.2	1.1	5.8	3.4	9.9	15.7	14.9	12.0	14.5	16.3
8. STOXX Japan 600 Ax Momentum	-0.8	3.8	1.9	0.8	7.4	6.6	12.6	19.9	19.0	14.3	19.0	20.5
9. STOXX Japan 600 Ax Multi-Factor	-0.8	5.6	4.5	0.8	9.3	9.4	12.1	18.6	17.6	14.2	17.4	18.9
10. STOXX Japan 600 Ax Quality	-1.1	0.3	-4.3	0.4	3.8	0.1	13.1	17.8	18.0	15.0	17.0	19.9
11. STOXX Japan 600 Ax Size	-1.5	0.2	2.7	0.1	3.7	7.5	12.0	18.1	16.9	14.2	17.2	18.2
12. STOXX Japan 600 Ax Value	-1.5	6.7	6.2	0.1	10.4	11.1	13.6	20.3	18.8	15.5	19.2	20.2

Risk and return performance figures for STOXX Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

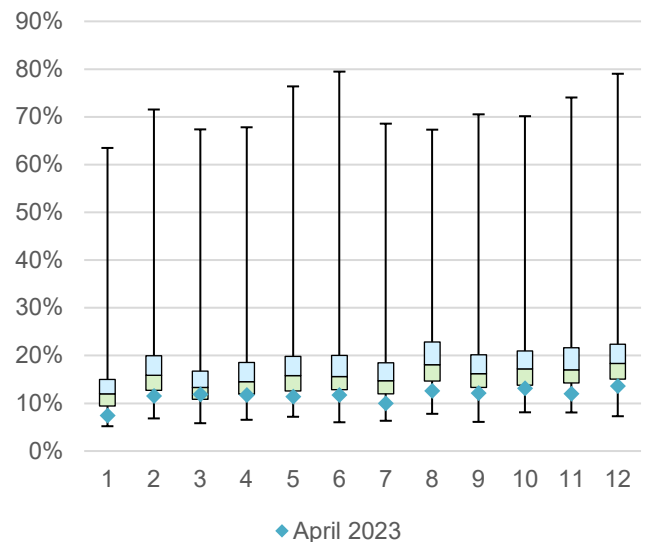
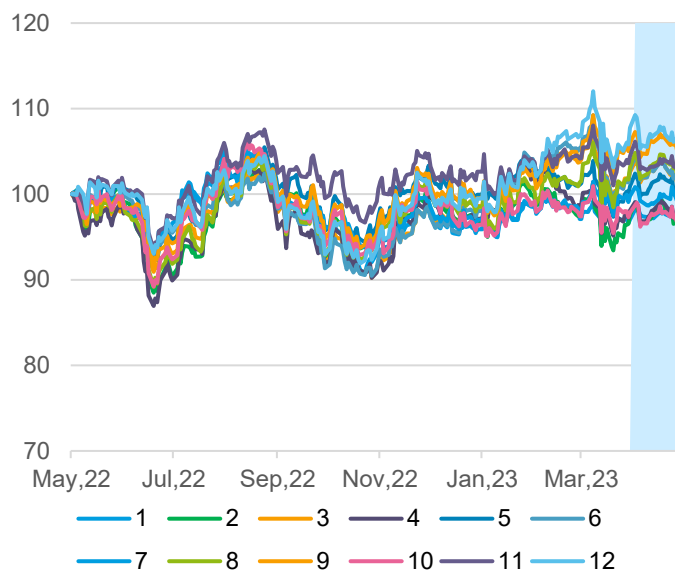


Figure 41: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 42: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

ESG-X Factor indices – Global

Key points

The [STOXX® ESG-X Factor indices](#) implement the same factor-based methodology of the STOXX Factor Indices, seeking exposure to five style signals, but do so on slightly smaller universes that exclude stocks based on the responsible policies of leading asset owners.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Global 1800 ESG-X Ax Low Risk	1.7	4.9	-1.9	3.4	8.5	2.6	9.3	10.6	13.7	6.8	9.5	14.8
2. STOXX Global 1800 ESG-X Ax Momentum	-0.5	1.9	-6.2	1.1	5.4	-1.8	11.1	12.5	19.7	9.5	12.7	21.7
3. STOXX Global 1800 ESG-X Ax Multi-Factor	-1.1	3.1	-3.1	0.5	6.7	1.4	11.9	12.0	15.6	9.9	11.7	17.3
4. STOXX Global 1800 ESG-X Ax Quality	-1.9	4.8	0.2	-0.3	8.4	4.9	11.9	12.6	17.2	11.5	13.3	19.6
5. STOXX Global 1800 ESG-X Ax Size	-0.9	1.2	-5.2	0.7	4.7	-0.8	11.7	13.5	17.3	11.1	14.1	19.9
6. STOXX Global 1800 ESG-X Ax Value	-1.1	2.3	-3.0	0.5	5.8	1.6	13.5	14.4	16.9	12.5	15.1	19.4

Risk and return performance figures for STOXX ESG-X Factor (Global) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 43: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

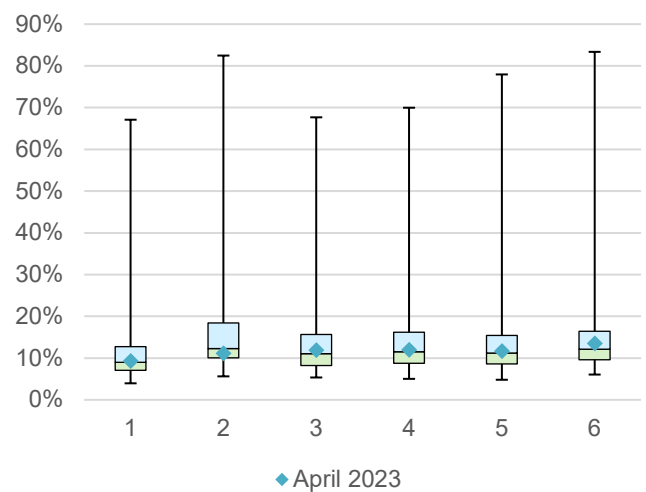


Figure 44: Monthly annualized volatility analysis, EUR gross return Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG-X Factor Indices – Regional: Europe

Key points

In Europe, the [STOXX® Europe 600 ESG-X Ax Low Risk](#) index led gains in April in its group.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe 600 ESG-X Ax Low Risk	4.6	13.6	2.5	6.3	17.5	7.3	6.2	9.0	12.9	8.0	13.8	18.8
2. STOXX Europe 600 ESG-X Ax Momentum	1.2	8.1	3.4	2.8	11.9	8.2	7.9	14.7	18.3	11.6	19.7	24.3
3. STOXX Europe 600 ESG-X Ax Multi-Factor	2.2	9.6	-3.3	3.9	13.4	1.2	7.3	12.6	16.6	10.7	17.6	22.6
4. STOXX Europe 600 ESG-X Ax Quality	1.7	11.2	1.8	3.3	15.0	6.5	9.7	15.6	20.0	13.4	20.5	26.1
5. STOXX Europe 600 ESG-X Ax Size	2.9	10.7	-2.4	4.6	14.5	2.2	9.5	15.6	20.5	12.4	20.4	26.7
6. STOXX Europe 600 ESG-X Ax Value	2.1	9.1	-0.7	3.7	12.8	3.9	9.8	15.1	17.3	12.2	19.6	23.2

Risk and return performance figures for STOXX ESG-X Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

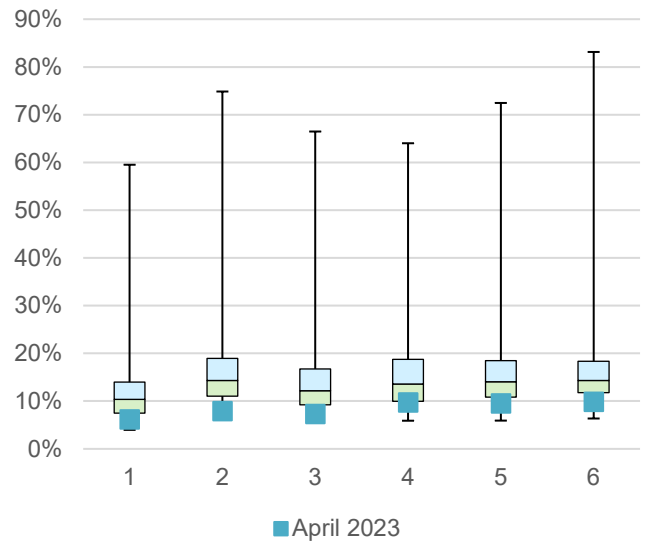


Figure 45: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 46: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG-X Factor indices – Regional: US

Key points

Within the [STOXX® USA 500 ESG-X index](#) and [STOXX® USA 900 ESG-X index](#) universes, it was also the Low Risk factor that paced gains in the month.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX USA 500 ESG-X Ax Low Risk	0.2	3.7	-1.9	1.8	7.3	2.7	13.6	15.6	19.7	10.4	13.7	19.7
2. STOXX USA 500 ESG-X Ax Momentum	-1.6	2.6	-5.6	0.0	6.1	-1.2	15.2	17.1	23.0	12.0	16.0	23.7
3. STOXX USA 500 ESG-X Ax Multi-Factor	-1.5	1.3	-4.9	0.1	4.8	-0.4	16.1	17.0	22.3	13.4	16.1	23.1
4. STOXX USA 500 ESG-X Ax Quality	-2.0	5.3	-0.9	-0.4	8.9	3.7	16.1	17.7	23.9	14.8	16.9	24.7
5. STOXX USA 500 ESG-X Ax Size	-2.6	2.7	-3.4	-1.0	6.2	1.1	15.5	17.5	23.1	13.1	16.9	24.0
6. STOXX USA 500 ESG-X Ax Value	-1.2	1.1	-6.5	0.4	4.6	-2.1	16.9	18.7	22.9	13.8	17.5	23.8
7. STOXX USA 900 ESG-X Ax Low Risk	-0.1	3.1	-2.9	1.5	6.7	1.7	13.9	15.7	19.7	10.8	13.9	19.7
8. STOXX USA 900 ESG-X Ax Momentum	-1.3	2.4	-7.4	0.3	5.9	-3.1	14.6	17.4	23.3	11.2	16.2	24.0
9. STOXX USA 900 ESG-X Ax Multi-Factor	-2.5	1.3	-6.3	-1.0	4.8	-2.0	17.1	18.0	22.9	14.4	17.1	23.7
10. STOXX USA 900 ESG-X Ax Quality	-2.4	5.4	-1.5	-0.8	9.0	3.1	16.2	18.0	24.3	14.6	17.3	25.1
11. STOXX USA 900 ESG-X Ax Size	-2.3	0.1	-3.2	-0.7	3.5	1.4	15.6	17.9	22.9	13.0	16.8	23.5
12. STOXX USA 900 ESG-X Ax Value	-1.4	0.3	-7.2	0.2	3.8	-2.9	17.5	19.3	23.3	14.6	18.3	24.3

Risk and return performance figures for STOXX ESG-X Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

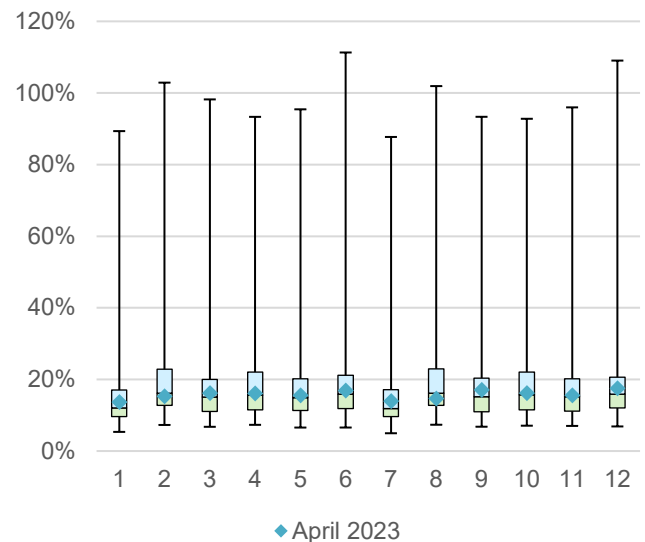
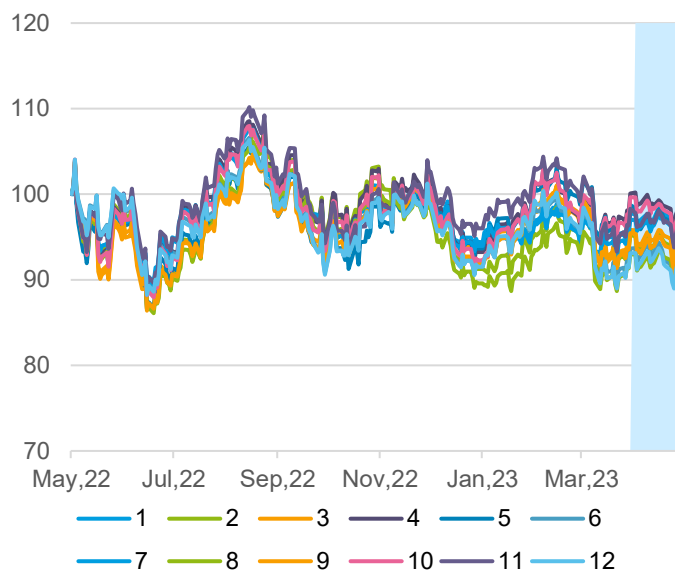


Figure 47: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 48: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

ESG-X Factor indices – Regional: Asia/Pacific

Key points

The STOXX ESG-X Factor indices covering the Asia/Pacific and Japan markets showed largely similar performances to the standard factor indices.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Asia/Pacific 600 ESG-X Ax Low Risk	-0.1	0.8	-5.1	1.5	4.3	-0.7	7.3	11.6	11.6	9.3	11.0	13.7
2. STOXX Asia/Pacific 600 ESG-X Ax Momentum	-1.4	-0.1	-4.7	0.2	3.4	-0.2	11.1	17.1	17.4	12.2	16.9	19.6
3. STOXX Asia/Pacific 600 ESG-X Ax Multi-Factor	-1.2	2.4	0.0	0.4	5.9	4.7	11.4	16.4	15.4	12.5	15.5	17.0
4. STOXX Asia/Pacific 600 ESG-X Ax Quality	-1.6	-0.3	-5.2	0.0	3.1	-0.8	11.9	15.7	17.5	13.5	15.5	20.0
5. STOXX Asia/Pacific 600 ESG-X Ax Size	-0.8	0.6	-1.4	0.8	4.1	3.1	10.2	15.2	15.1	12.4	15.0	17.6
6. STOXX Asia/Pacific 600 ESG-X Ax Value	-1.2	3.6	0.9	0.4	7.1	5.6	12.4	18.0	16.1	13.6	17.2	17.7
7. STOXX Japan 600 ESG-X Ax Low Risk	-0.6	2.5	-1.8	1.0	6.0	2.7	9.9	15.6	14.8	12.0	14.5	16.3
8. STOXX Japan 600 ESG-X Ax Momentum	-1.0	3.5	1.1	0.6	7.1	5.8	12.5	19.7	19.0	14.0	18.9	20.6
9. STOXX Japan 600 ESG-X Ax Multi-Factor	-1.2	4.7	2.6	0.4	8.3	7.3	11.8	18.5	17.5	13.7	17.3	18.7
10. STOXX Japan 600 ESG-X Ax Quality	-1.2	0.4	-4.6	0.4	3.9	-0.1	13.2	17.9	18.1	15.3	17.1	20.0
11. STOXX Japan 600 ESG-X Ax Size	-1.4	-0.2	2.3	0.2	3.2	7.0	11.8	17.8	16.6	13.8	17.0	18.0
12. STOXX Japan 600 ESG-X Ax Value	-1.5	6.6	5.0	0.1	10.2	9.8	14.2	20.3	18.9	15.9	19.2	20.2

Risk and return performance figures for STOXX ESG-X Factor (Regional) indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

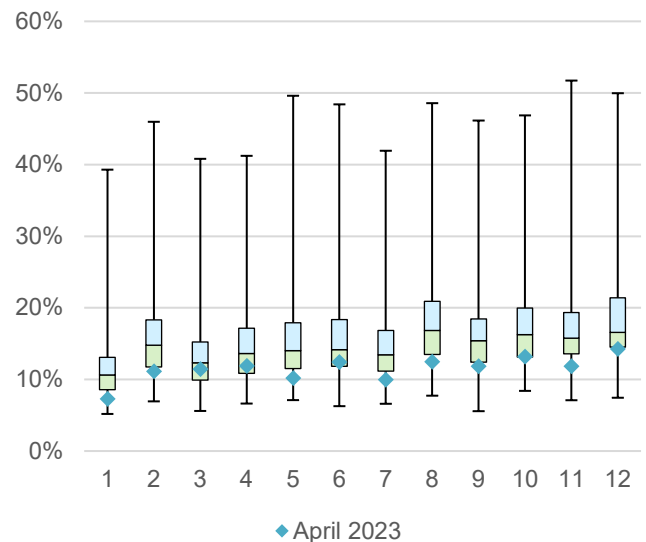
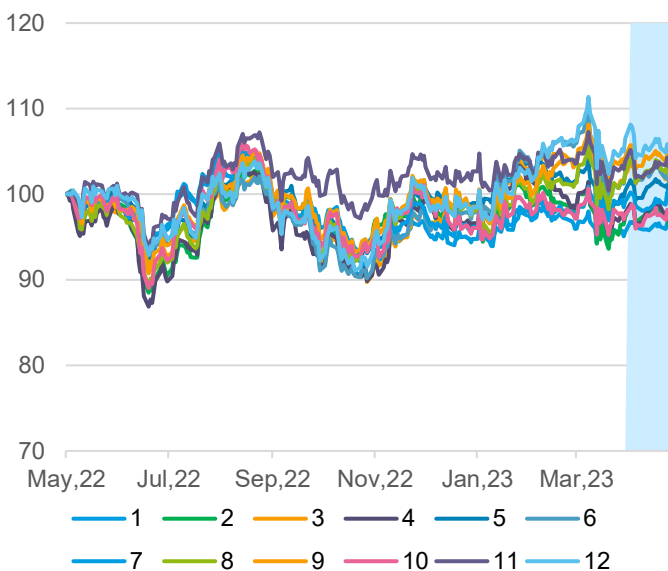


Figure 49: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 50: Monthly annualized volatility analysis, EUR gross return. Apr. 2012 – Apr. 2023. Source: Qontigo.

Industry Neutral Factor indices

Key points

The STOXX Industry Neutral Single and Multi-Factor indices aim to harvest the risk premia of several academically validated style factors — Value, Momentum, Quality, Size and Low Risk — within each ICB industry.

The indices rely on Axioma’s proven factor models and keep the same industry allocation as the respective benchmarks, helping remove unintended industry exposures and enabling access to the ‘pure’ return of the factor. Low Risk was the best signal last month for the Industry Neutral Factor indices covering Europe and the US.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe 600 Industry Neutral Ax Low Risk	4.6	12.5	3.1	6.3	16.3	7.9	6.3	9.2	12.9	8.0	14.0	18.7
2. STOXX Europe 600 Industry Neutral Ax Momentum	0.8	10.3	3.2	2.5	14.1	8.0	8.3	13.3	18.2	11.4	18.0	24.0
3. STOXX Europe 600 Industry Neutral Ax Multi-Factor	2.1	9.8	1.7	3.7	13.5	6.4	7.0	11.6	15.6	9.9	16.6	21.6
4. STOXX Europe 600 Industry Neutral Ax Quality	1.8	11.7	3.7	3.5	15.6	8.5	8.7	14.8	19.0	12.2	19.8	25.1
5. STOXX Europe 600 Industry Neutral Ax Size	2.9	10.6	-0.6	4.6	14.4	4.0	8.3	15.5	19.4	11.6	20.3	25.5
6. STOXX Europe 600 Industry Neutral Ax Value	1.8	9.7	3.7	3.5	13.5	8.5	9.8	15.1	17.3	11.8	19.6	23.1
7. STOXX USA 500 Industry Neutral Ax Low Risk	0.6	2.6	-1.7	2.2	6.1	2.9	13.3	15.4	19.4	10.1	13.6	19.4
8. STOXX USA 500 Industry Neutral Ax Momentum	-1.8	3.8	-5.5	-0.2	7.3	-1.1	14.3	16.5	23.1	11.1	15.1	23.6
9. STOXX USA 500 Industry Neutral Ax Multi-Factor	-2.2	1.4	-4.0	-0.6	4.9	0.4	16.3	16.8	21.5	13.2	15.4	21.9
10. STOXX USA 500 Industry Neutral Ax Quality	-1.4	6.0	-1.3	0.2	9.6	3.3	15.9	17.1	23.0	14.3	16.2	23.7
11. STOXX USA 500 Industry Neutral Ax Size	-2.1	1.7	-3.4	-0.5	5.3	1.1	15.7	17.1	22.7	13.6	16.2	23.6
12. STOXX USA 500 Industry Neutral Ax Value	-1.1	1.0	-6.9	0.5	4.5	-2.5	16.6	18.6	22.7	13.4	17.3	23.6

Risk and return performance figures for STOXX Industry Neutral Factor indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

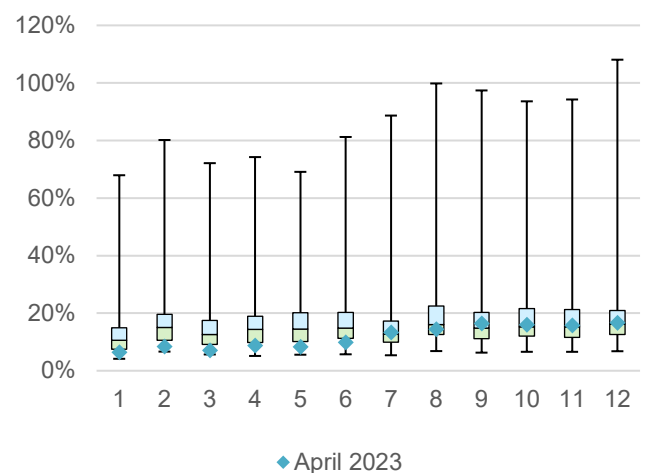
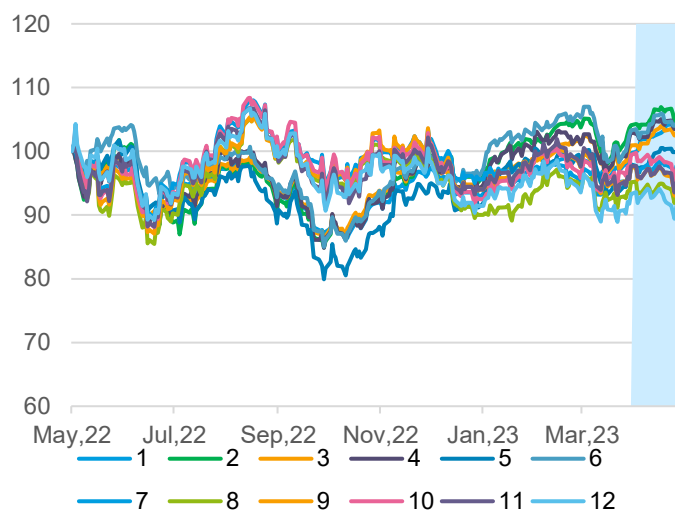


Figure 51: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 52: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

Europe Factor Market Neutral indices

Key points

The iSTOXX® Europe Factor Market Neutral indices assume a short position in STOXX Europe 600 futures to help investors neutralize systematic risk and tap exposure to pure factor investing.

Risk and return characteristics

	(EUR) Return (%)			(EUR) Annualized volatility (%)		
	1M	YTD	1Y	1M	YTD	1Y
1. iSTOXX Europe Carry Factor Market Neutral	-0.9	-1.4	-5.3	3.3	4.0	4.0
2. iSTOXX Europe Low Risk Factor Market Neutral	0.1	-0.7	-1.9	3.3	3.6	3.7
3. iSTOXX Europe Momentum Factor Market Neutral	0.7	-0.5	-1.7	2.7	4.5	4.6
4. iSTOXX Europe Quality Factor Market Neutral	-0.7	-2.9	-4.8	2.9	3.5	3.6
5. iSTOXX Europe Size Factor Market Neutral	0.3	-3.6	-10.4	4.3	4.4	6.0
6. iSTOXX Europe Value Factor Market Neutral	0.3	-1.2	-10.4	5.4	5.2	5.8
7. iSTOXX Europe Multi-Factor Market Neutral	-0.7	-0.3	-3.4	3.0	3.8	4.0

Risk and return performance figures for iSTOXX Europe Factor Market Neutral indices, net return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

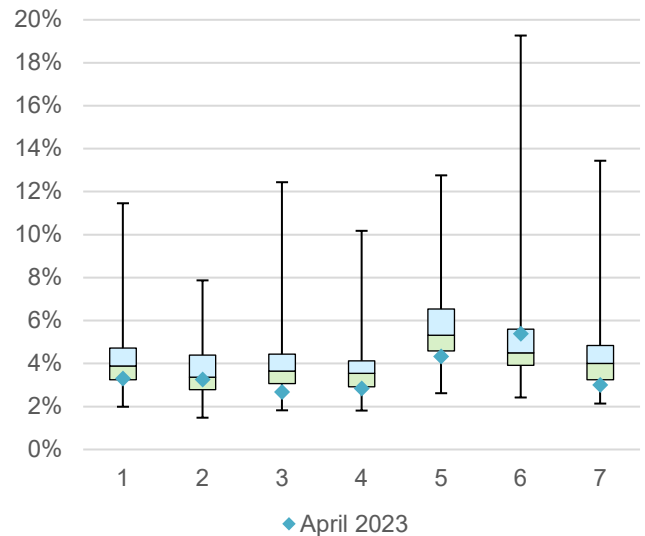
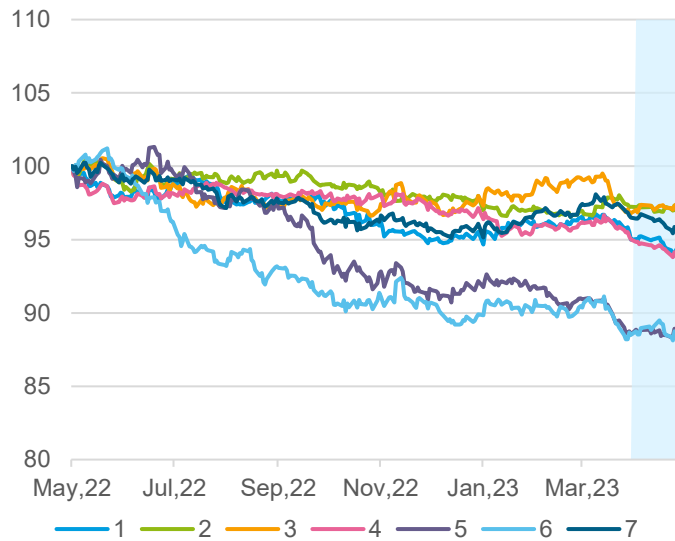


Figure 53: EUR net return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 54: Monthly annualized volatility analysis, EUR net return. Aug. 2010 – Apr. 2023. Source: Qontigo.

Minimum Variance indices

Key points

Minimum variance strategies had good performances last month, as investors sought low-risk shares.

The STOXX Minimum Variance indices come in two versions. A constrained version has similar exposure to its market-capitalization-weighted benchmark but with lower risk. The unconstrained version, on the other hand, has more freedom to fulfill its [minimum variance mandate](#) within the same universe of stocks.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Europe 600 MV	3.6	11.1	1.4	5.3	15.0	6.1	5.5	9.3	13.3	8.2	14.2	19.3
2. STOXX Europe 600 MV Unconstrained	3.7	13.5	3.4	5.3	17.4	8.2	5.2	8.2	10.8	6.2	12.7	16.4
3. STOXX Global 1800 MV	1.3	2.2	-1.7	2.9	5.7	2.8	8.8	10.4	12.9	6.6	8.3	13.0
4. STOXX Global 1800 MV Unconstrained	1.9	2.6	-2.2	3.6	6.1	2.3	7.3	9.7	9.8	4.9	6.8	10.4
5. STOXX USA 900 MV	0.3	-0.3	-2.0	2.0	3.1	2.5	14.7	15.2	17.1	11.0	11.7	15.7
6. STOXX USA 900 MV Unconstrained	0.8	-0.5	-1.1	2.5	2.9	3.5	15.9	15.7	16.6	11.3	11.4	14.7

Risk and return performance figures for STOXX Minimum Variance indices, gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

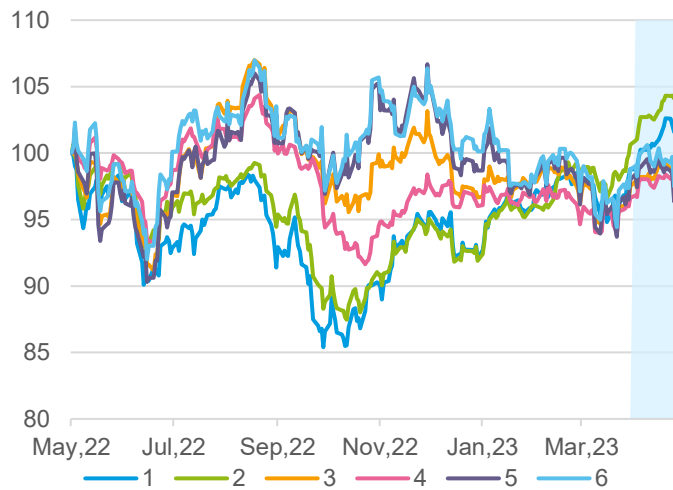


Figure 55: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

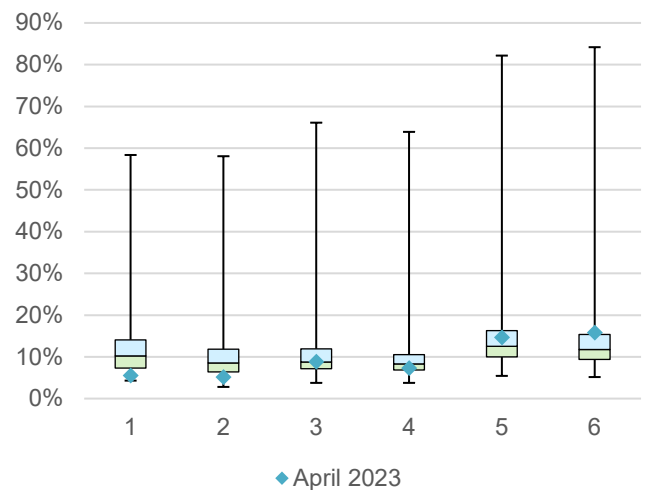


Figure 56: Monthly annualized volatility analysis, EUR gross return. Jan. 2004 – Apr. 2023. Source: Qontigo.

Dividend indices

Key points

[Dividend strategies](#) had diverse performances last month.

The [STOXX® Global Maximum Dividend 40 index](#) selects only the highest-dividend-yielding stocks. The [STOXX® Global Select Dividend 100 index](#), meanwhile, tracks companies with sizeable dividends but also applies a quality filter such as a history of stable payments. The [STOXX® Global ESG-X Select Dividend 100 index](#) targets the highest-yielding stocks within universes screened for responsible investment criteria.

The [STOXX® Global Select 100 EUR index](#) blends increasing dividend yields with low volatility and is calculated in euros.

Risk and return characteristics

	Return (%)						Annualized volatility (%)					
	EUR			USD			EUR			USD		
	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y	1M	YTD	1Y
1. STOXX Global Maximum Dividend 40 ¹	2.8	7.0	5.1	4.5	10.7	9.9	10.8	12.0	15.6	14.3	16.4	20.2
2. STOXX Global Select Dividend 100	-0.6	-1.5	-6.1	1.0	1.9	-1.7	10.3	9.9	11.5	10.6	12.0	15.8
3. STOXX Global ESG-X Select Dividend 100	-0.5	-1.9	-4.5	1.1	1.5	0.0	10.3	10.1	11.7	10.5	12.2	16.0
4. STOXX Global Select 100 EUR	1.7	3.7	-3.3				5.1	7.7	8.6			

Risk and return performance figures for STOXX Dividend indices, gross return except when shown. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance



Figure 57: Annual price performance, EUR net return for 1; EUR gross return for 2-4. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

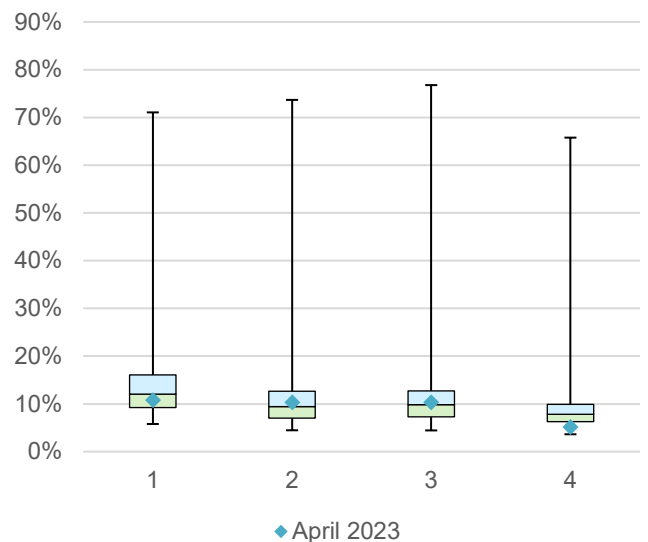


Figure 58: Monthly annualized volatility analysis. EUR net return for 1; EUR gross return for 2-4. Apr. 2012 – Apr. 2023. Source: Qontigo.

¹ EUR net return and USD net return used for STOXX Maximum Dividend 40.

Volatility indices

Key points

European equity volatility decreased in April, as measured by the [EURO STOXX 50® Volatility \(VSTOXX®\) index](#) and [VDAX-New® index](#). The [EURO STOXX 50® Volatility of Volatility index \(V-VSTOXX\)](#) rose.

The VSTOXX and VDAX measure the implied volatility of EURO STOXX 50 index and DAX index options, respectively, across their entire expiration curve. The V-VSTOXX measures the implied volatility of options on VSTOXX futures, hence reflecting expectations regarding the volatility of volatility. All three are significantly lower than their March 2020 peaks. The VSTOXX, for example, rose to 86 in March 2020.

The VSTOXX and VDAX had a high negative correlation to share prices in the month that ended.

Risk and return characteristics

	Index Level			Correlation	
	T	T-1M	T-12M	1M	1Y
1. VSTOXX	17.4	19.4	30.8	-0.9	-0.8
2. V-VSTOXX	91.2	84.5	107.2	-0.1	-0.6
3. VDAX	17.4	18.9	29.8	-0.8	-0.8

Index levels for STOXX and DAX Volatility indices. Correlation for VSTOXX and V-VSTOXX compared with EURO STOXX 50 price return, and VDAX relative to DAX gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

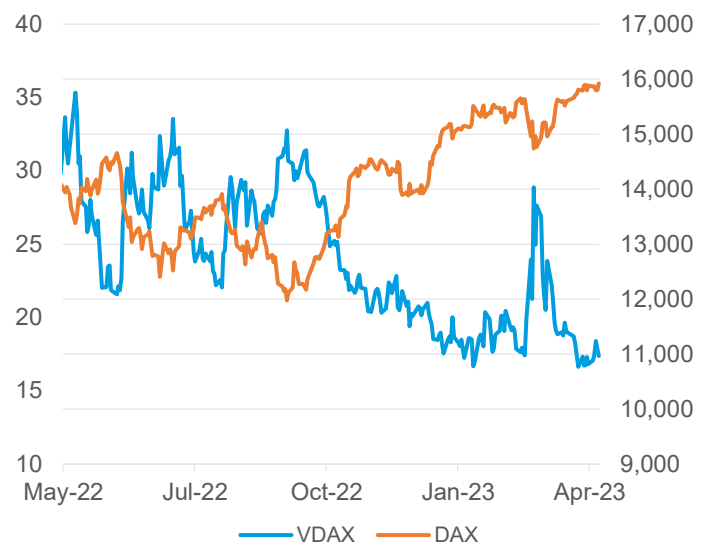
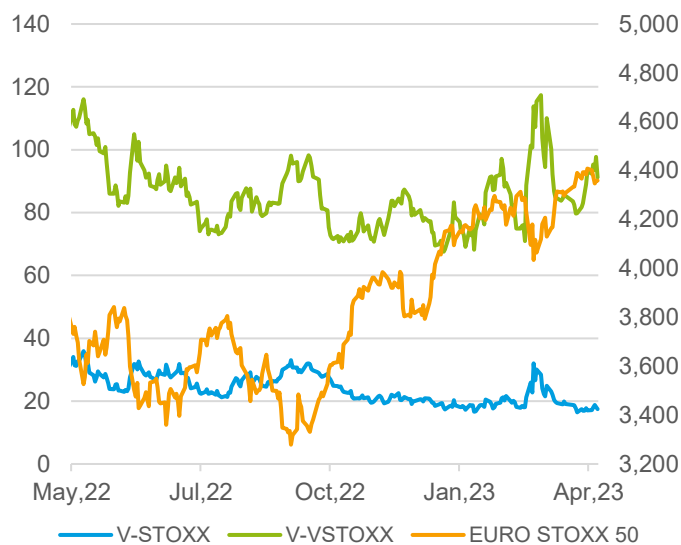


Figure 59: VSTOXX and V-VSTOXX (primary axis). EURO STOXX 50 price return index (secondary axis). May 2022 – Apr. 2023. Source: Qontigo.

Figure 60: VDAX (primary axis). DAX gross return index (secondary axis). May 2022 – Apr. 2023. Source: Qontigo.

Volatility Strategy indices

Key points

The [VSTOXX® Short-Term Futures](#) and [VSTOXX® Mid-Term Futures](#) indices, which track the return from a rolling long position in VSTOXX futures contracts on Eurex, had diverse performances in April. While the former fell in the month, the latter posted a positive return. The [EURO STOXX 50® Investable Volatility index](#), which measures forward implied volatility in the Eurozone equity market, dropped.

The [Dynamic VSTOXX® index](#) added 4.5% in the month. The index combines the VSTOXX Short-Term Futures index and the VSTOXX Mid-Term Futures index to exploit the superior performance of short-term futures when the volatility forward curve is in backwardation and of mid-term futures when the volatility forward curve is in contango.

Lastly, the [EURO STOXX 50® Volatility-Balanced index](#) fell 1.7%. The index combines investments in the EURO STOXX 50 and in the VSTOXX Short-Term Futures index.

Risk and return characteristics

	(EUR) Return (%)			(EUR) Annualized volatility (%)		
	1M	YTD	1Y	1M	YTD	1Y
1. EURO STOXX 50 Investable Volatility	-1.4	-17.7	-42.3	29.9	58.5	47.4
2. VSTOXX Short-Term Futures	-11.3	-22.7	-57.4	28.1	79.5	62.3
3. VSTOXX Mid-Term Futures	1.4	-9.2	-24.2	11.8	37.6	29.1
4. Dynamic VSTOXX	4.5	0.5	3.5	3.4	9.8	8.1
5. EURO STOXX 50 Volatility-Balanced	-1.7	3.0	6.7	6.9	14.7	16.9

Risk and return performance figures for STOXX Volatility Strategy indices, EUR gross return. Data as of Apr. 28, 2023. Source: Qontigo.

Index and volatility performance

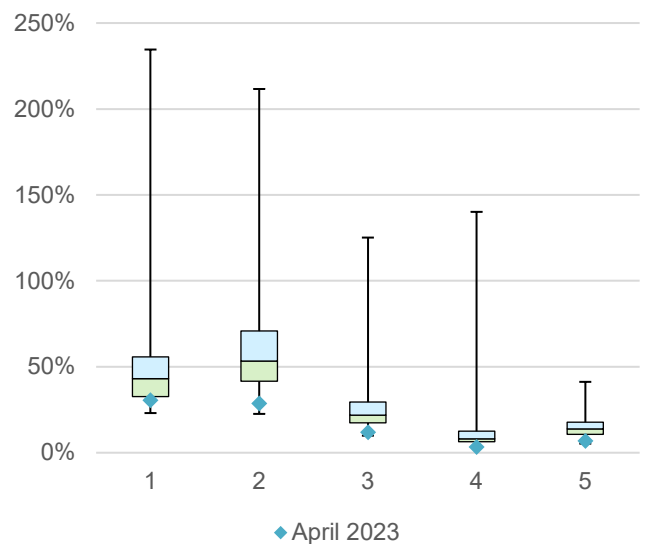
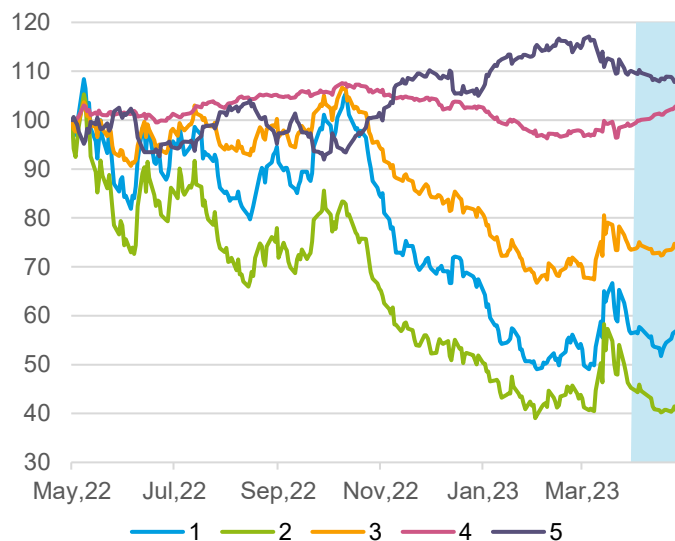


Figure 61: EUR gross return index performance. May 2022 – Apr. 2023. Shaded area: Apr. 2023. Source: Qontigo.

Figure 62: Monthly annualized volatility analysis, EUR gross return. Jun. 2010 – Apr. 2023. Source: Qontigo.

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Qontigo is a financial intelligence innovator and a leader in the modernization of investment management, from risk to return.

The combination of the company's world-class indices and best-of-breed analytics, with its technological expertise and customer-driven innovation enables its clients to achieve competitive advantage in a rapidly changing marketplace.

Qontigo's global client base includes the world's largest financial products issuers, capital owners and asset managers.

Created in 2019 through the combination of STOXX, DAX and Axioma, Qontigo is part of Deutsche Börse Group, headquartered in Eschborn with key locations in New York, Zug and London.

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STOXX® and DAX® indices by Qontigo comprise a global and comprehensive family of more than 16,500 strictly rules-based and transparent indices. Best known for the leading European equity indices EURO STOXX 50®, STOXX® Europe 600 and DAX®, Qontigo's portfolio of index solutions consists of total market, benchmark, blue-chip, sustainability, thematic and factor-based indices covering a complete set of world, regional and country markets.

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