STOXX® GLOBAL 1800 EX AUSTRALIA MINIMUM VARIANCE UNCONSTRAINED INDEX

Index description

The STOXX Global 1800 ex Australia Minimum Variance Unconstrained index weights the components of the underlying STOXX Global 1800 ex Australia index so that portfolio variance is minimized. STOXX uses Axioma's factor model for the optimization process. The unconstrained version applies loosely stated constraints to seek an improved risk profile. It targets investors seeking a more optimal portfolio in terms of replicated volatility.

Key facts

»Minimized volatility is suitable for risk-averse investors. At the same time, the return of the index is higher than the benchmark.

»Suitable as a liquid underlying for ETFs and structured products. It is easy to replicate as it has fewer components than the underlying Index. It also has predictable rebalancing dates and is optimized to allow tracking (low turnover, transaction costs analysis, etc.).

»Capping constraints are applied in accordance with the Undertakings for Collective Investment in Transferable Securities (UCITS) directive to ensure that funds can easily track the index

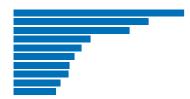
»Two versions - Constrained and Unconstrained - cater to different investor needs.

»The Unconstrained version offers a first-of-its-kind index for a true minimum variance mandate.

Descriptive statistics

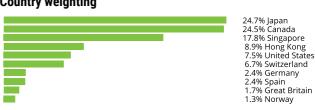
| Index | Market cap (EUR bn.) | | Components (EUR bn.) | | Component weight (%) | | Turnover (%) | | |
|---|----------------------|------------|----------------------|--------|----------------------|----------|--------------|----------|----------------|
| | Full | Free-float | Mean | Median | Largest | Smallest | Largest | Smallest | Last 12 months |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | N/A | 97.9 | 0.5 | 0.1 | 4.1 | 0.0 | 4.2 | 0.0 | 60.3 |
| STOXX Global 1800 ex Australia Index | 56,428.7 | 51,100.3 | 30.1 | 10.7 | 2,660.8 | 1.3 | 5.2 | 0.0 | 2.8 |

Supersector weighting (top 10)



- 18.2% Telecommunications 14.4% Banks
- 12.4% Food, Beverage & Tobacco
- 7.3% Personal Care, Drug & Grocery Stores 6.5% Health Care
- 5.9% Real Estate 5.9% Basic Resources
- 5.0% Travel & Leisure
- 4.5% Industrial Goods & Services

Country weighting



Risk and return figures¹

| Index returns | | | | R | eturn (%) | | | An | nualized re | turn (%) |
|---|---|---------------|------|------|-----------|-------------|-------------|-----------|-------------|----------|
| | Last month | YTD | 1Y | 3Y | 5Y | Last month | YTD | 1Y | 3Y | 5Y |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | -0.8 | -1.0 | -2.1 | 6.3 | 3.2 | N/A | N/A | -2.1 | 2.1 | 0.6 |
| STOXX Global 1800 ex Australia Index | 3.6 | 11.5 | 11.9 | 37.2 | 51.4 | N/A | N/A | 12.0 | 11.2 | 8.7 |
| Index volatility and risk | Annualized volatility (%) Annualized Sha | | | | | | alized Shar | pe ratio² | | |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | 7.1 | 7.5 | 8.1 | 8.8 | 12.1 | N/A | N/A | -0.6 | 0.2 | 0.1 |
| STOXX Global 1800 ex Australia Index | 8.8 | 11.8 | 15.0 | 14.7 | 17.8 | N/A | N/A | 0.6 | 0.7 | 0.5 |
| Index to benchmark | | Correlation T | | | | Tracking | error (%) | | | |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | 0.7 | 0.4 | 0.5 | 0.6 | 0.8 | 6.8 | 11.1 | 12.9 | 11.4 | 11.1 |
| Index to benchmark | Beta Annualized inform | | | | | zed informa | ation ratio | | | |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | 0.5 | 0.3 | 0.3 | 0.4 | 0.5 | -7.5 | -2.3 | -1.2 | -0.9 | -0.8 |

¹ For information on data calculation, please refer to STOXX calculation reference guide

(EUR, price), all data as of Jun. 30, 2023



² Based on EURIBOR1M

STOXX® GLOBAL 1800 EX AUSTRALIA MINIMUM VARIANCE

Fundamentals (for last 12 months)

| Index | | Price/earnings incl. negative | | rice/earnings excl. negative | Price/ book | Divident | | Price/ cash flow | |
|---|----------|----------------------------------|----------|---------------------------------|----------------|----------|----------|---------------------|--|
| | Trailing | Projected | Trailing | Projected | Trailing | Trailing | Trailing | Trailing | |
| STOXX Global 1800 ex Australia Minimum Variance Unconstrained Index | 15.0 | 14.7 | 14.6 | 14.7 | 1.5 | 2.9 | 1.4 | 4.0 | |
| STOXX Global 1800 ex Australia Index | 24.0 | 18.3 | 19.8 | 18.0 | 0.1 | 1.8 | 1.9 | 10.7 | |

Performance and annual returns4







STOXX® Global 1800 ex Australia Minimum Variance Unconstrained Index

STOXX® Global 1800 ex Australia Index

Methodology

On the basis of the underlying index, a covariance matrix is set up by determining the correlation between each component and specific factors. Using Axioma's factor model, the variance-covariance structure of the components is determined, which is then minimized with respect to applicable constraints. The constraints applied cover individual capping, effective number of assets, rebalancing and turnover. The full list of factors including the requirements to be met can be accessed in our Index rulebook: http://www.stoxx.com/indices/rulebooks.html

Versions and symbols

| Index | | ISIN | Symbol | Bloomberg | Reuters |
|--------------|-----|--------------|---------|---------------|----------|
| Gross Return | AUD | CH0225161527 | SGAAUNG | SGAAUNG INDEX | .SGAAUNG |
| Gross Return | AUD | CH0225161527 | SGAAUNG | SGAAUNG INDEX | .SGAAUNG |
| Net Return | AUD | CH0225161535 | SGAAUNN | SGAAUNN INDEX | .SGAAUNN |
| Net Return | AUD | CH0225161535 | SGAAUNN | SGAAUNN INDEX | .SGAAUNN |
| Price | AUD | CH0225161543 | SGAAUNP | | .SGAAUNP |
| Price | AUD | CH0225161543 | SGAAUNP | | .SGAAUNP |
| Gross Return | EUR | CH0225161394 | SGAEUNG | | .SGAEUNG |
| Gross Return | EUR | CH0225161394 | SGAEUNG | | .SGAEUNG |
| Net Return | EUR | CH0225161444 | SGAEUNN | | .SGAEUNN |
| Net Return | EUR | CH0225161444 | SGAEUNN | | .SGAEUNN |

 $Complete\ list\ available\ here: www.stoxx.com/data/vendor_codes.html$

Quick facts

| Weighting | Optimization |
|-------------------|-----------------|
| Cap factor | 4.5% / 8% / 35% |
| No. of components | Variable |
| Review frequency | Monthly |

To learn more about the inception date, the currency, the calculation hours and historical values, please see our data vendor code sheet.

CONTACT DETAILS

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BACKTESTED PERFORMANCE

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

CUSTOMIZATION

The index can be used as a basis for the definition of STOXX® Customized Indices, which can be tailored to specific client or mandate needs. STOXX offers a wide range of customization, in terms of component selection, weighting schemes and personalized calculation methodologies.

³ Net dividend yield is calculated as net return index return minus price index return

⁴ STOXX data from Jan. 02, 2004 to Jun. 30, 2023

(EUR, price), all data as of Jun. 30, 2023

MINIMUM VARIANCE

STOXX® GLOBAL 1800 EX AUSTRALIA MINIMUM VARIANCE UNCONSTRAINED INDEX

Top 10 Components⁵

| Company | Supersector | Country | Weight (%) 4.18 | |
|--------------------------------|--------------------------|-------------|-----------------|--|
| SWISSCOM | Telecommunications | Switzerland | | |
| Singapore Telecommunications L | Telecommunications | Singapore | 4.05 | |
| Fortis Inc. | Utilities | Canada | 3.95 | |
| Japan Tobacco Inc. | Food, Beverage & Tobacco | Japan | 3.81 | |
| BCE Inc. | Telecommunications | Canada | 3.80 | |
| Oversea-Chinese Banking Corp. | Banks | Singapore | 3.69 | |
| DBS Group Holdings Ltd. | Banks | Singapore | 3.26 | |
| National Bank of Canada | Banks | Canada | 2.93 | |
| United Overseas Bank Ltd. | Banks | Singapore | 2.71 | |
| TELUS | Telecommunications | Canada | 2.64 | |

⁵ Based on the composition as of Jun. 30, 2023