

# >> Global Convertible Bonds Defensive Strategy FISCH CB Global Defensive Fund

**Product Report** 30 November 2017

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Convertible Bond Market

Fisch Asset Management

**Contact Person** 

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### **Summary**

### Strategy

### **Defensive, Global Convertible Bonds**

The investment focus is on asymmetric convertible bonds with high credit quality. This allows for participation in rising equity markets and provides a high degree of protection during weaker market phases.

The defensive approach of the fund is based on the strategy of using active management to produce outperformance versus the benchmark, the Thomson Reuters Global Focus Investment Grade, especially in falling equity markets. In rising markets, the fund should at least match the benchmark performance.

### Performance Summary as of 30.11.2017

Key Figures	Strategy	Benchmark	Relative
Month to Date Return	-0.49%	-0.66%	0.17%
Quarter to Date Return	1.49%	0.93%	0.56%
Year to Date Return	5.78%	3.04%	2.74%
Annualised Return since Inception (31.03.2009)	7.89%	5.64%	2.25%

**Strategy** Global convertible bonds, defensive EUR hedged, gross (implemented in the portfolio of the FISCH CB Global Def. Fund)

Benchmark Thomson Reuters Global Focus Investment Grade (EUR hedged)

Launch Since 31st of March 2009, the defensive strategy has been implemented relative to the mentioned benchmark.

# **»**Outperformance in line with strategy, despite unfavourable market conditions

### Manager Report



**Dr. Klaus Göggelmann** Lead Portfolio Manager



**Roland Hotz** Deputy Portfolio Manager



**Ute Heyward**Deputy Portfolio
Manager

### **Market Overview**

Equity and credit markets hit pause in November. European equities even fell sharply for a time, before rallying at the end of the month. Performance in the other regions was varied, with a strong positive trend in the US. There were only minor changes in credit markets. Emerging markets were surprisingly stable, in contrast with a slightly weaker trend in developed markets. Developments in financial markets were generally characterised by a healthy technical consolidation of the strong gains made year-to-date. Nothing has changed as regards the major drivers, i.e. robust global economic growth and continuing positive monetary stimulus. However, it is worth mentioning increased intervention by the Chinese authorities and the central bank to combat speculation and misallocation of capital. This led to an increase in long-term interest rates in China and a temporary rise in equity market volatility. However, the situation remained under control and did not impact other regions. Meanwhile, there were no major movements in interest rates around the world, and only a minimal fall at the long end. Nor did the commodities and currency markets inject any major impetus. The favourable economic environment provided solid support and even led to rises in crude oil prices. The US dollar fell again, losing what it had gained the previous month. However, this reduced pressure on currencies in some emerging markets.

We regard the persistently very low volatility in markets due to an ongoing element of complacency as an indirect warning signal. For December, our macro model showed practically no change from the previous month's values. The scores for equities and credit remain positive. With regard to interest rates, there are signs of a moderate rise in the US and neutral values for the other regions. Short-term leading indicators (copper prices, Baltic Dry, gold/silver ratio) remain positive. The standout feature is still the broad base of the upturn worldwide and generally positive signals from China. However, various important but not quite acute warning signals must be heeded. First and foremost, the unwinding of the Fed balance sheet and the resulting drain on liquidity. The effect of this turnaround in monetary policy has been underestimated and it will develop into a problem for markets over the course of the coming year. The flattening trend in yield curves is the first shot across the bows. The well-advanced long-term stock market cycle and the low volatility/high degree of complacency on the stock markets make for very rocky ground and a high level of vulnerability to monetary distortion caused by the central banks. The short-term trend signals, however, are still strongly positive, and although the equity and credit market valuations are higher than earlier, they are not yet at danger levels.

### **Portfolio**

In November, convertible bond markets were dominated by the consolidation of the previous months' strong price gains. This led to profit-taking, especially on cyclicals, which meant that the performance of technology and consumer goods names was weak. By contrast, performance in the energy sector was positive in the wake of rising oil prices. The defensive healthcare sector was also in demand.

In regional terms in November, Japan outperformed thanks to improved economic prospects. In Europe, the stronger euro held back cyclical export stocks and investment goods producers,

while in Asia there was a correction in technology names in particular. In the US, too, technology names lost some of their earlier gains. Healthcare, on the other hand, appreciated on the back of the very strong performance of some biotech and medtech names (first and foremost Illumina). In general, the US market was propped up by the prospect of progress in Donald Trump's sweeping tax reforms.

In November, comparatively few new issues came to market, as many companies were waiting for the end of the quarterly reporting season. Accordingly, the number of new issues rose towards the end of the month, though most were smaller issues. These had no impact on index performance.

The portfolio (gross, EUR hedged) made a loss in absolute terms but, in line with its strategy, it outperformed its benchmark in the downturn. The reasons related to individual stocks: over the month we completely sold our position in furniture manufacturer Steinhoff and, as a result, benefited in relative terms from its ongoing weak performance. Other positives were our positions in flavours and fragrances manufacturer Symrise and financial SBI Holding, both off-benchmark positions. Medtech manufacturer Illumina also had a strong month.

Portfolio activity was very moderate in November for lack of opportunities both in the primary and secondary market. The general focus remained the same: we are overweight in cyclicals because of the positive economic trend; in regional terms, we remain strongly overweight in Japan. In Europe, we are underweight in defensive sectors, such as utilities, financials and telecoms.

We are sticking with our positive outlook. The current environment continues to provide positive stimulus for global growth and equity markets, which plays directly into the hands of convertible bonds. However, it is still important to pursue an active investment policy because some regions, for instance the US, now seem expensive. Also, our focus on convex securities, which offer effective downside protection, remains essential for us.

### **Portfolio**

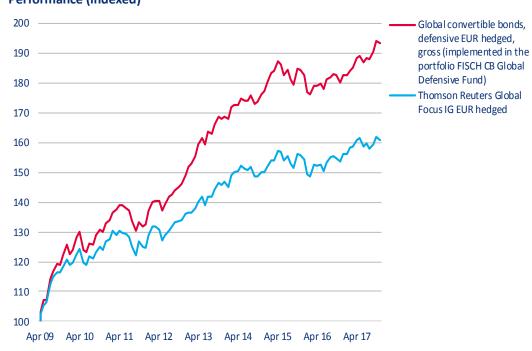
### Performance Analysis of the Strategy

### **Performance**

### Performance (indexed)

The defensive strategy has been implemented in the portfolio of the FISCH CB Global Defensive Fund relative to the mentioned benchmark Thomson Reuters index since 1st April 2009.

The net returns of the fund are provided in the section 'Investment strategy'.



### Strategy

Global convertible bonds, defensive EUR hedged, gross (implemented in the FISCH CB Global Defensive Fund portfolio)

### Benchmark

Thomson Reuters Global Focus IG EUR hedged

Key Figures	Strategy	Benchmark	Relative
Month to Date Return	-0.49%	-0.66%	0.17%
Quarter to Date Return	1.49%	0.93%	0.56%
Year to Date Return	5.78%	3.04%	2.74%
Return 1 Year	7.33%	4.63%	2.71%
Annualised Return 3 Years	3.13%	2.38%	0.75%
Annualised Return 5 Years	5.75%	3.71%	2.04%
Annualised Return since Inception (31.03.2009)	7.89%	5.64%	2.25%
Annualised Volatility 3 Years	4.51%	4.65%	-0.13%
Sharpe Ratio 3 Years	0.74	0.55	0.18
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Portfolio FISCH CB Global Defensive Fund, gross (EUR hedged)

Benchmark Thomson Reuters Global Focus Investment Grade (EUR hedged)

### **Contribution and Attribution**

The contribution breakdown shows the extent to which a region or sector contributed to fund or benchmark performance (shown here year-to-date). The performance attribution breakdown highlights the extent to which a region or sector was responsible for out or underperformance versus the benchmark.

In the following three tables, all returns are given in local currency; therefore, changes in exchange rates and the cost of currency hedging are not included. For this reason, the returns are not directly comparable with fund returns or benchmark returns cited elsewhere in this document.

The Brinson Fachler model is used to break down the regional attribution into asset allocation and security selection. The effects of portfolio management decisions are quantified using this attribution model. The regional performance attribution is reflected in the following "Regional Contribution / Attribution (YTD)" table. The "Asset Allocation" column shows the results of the portfolio's different regional weightings, which are based on the Top-Down and Bottom-Up analysis, relative to the benchmark. The "Security Selection" column shows the results of the various different returns on individual stocks or sectors within a region relative to the benchmark.

### **Regional Contribution / Attribution (YTD)**

	Return	[%]	Average W	eight [%]	Contribu	tion [%]	Asset Allocation	Security	Total Attribution
Region	PF	вм	PF	вм	PF	ВМ	[%]	[%]	[%]
Europe	5.84	2.61	65	68	3.58	1.78	0.00	2.06	2.06
Japan	9.12	6.34	9	6	0.83	0.38	0.05	0.24	0.28
North America	14.46	14.19	18	13	2.42	1.94	0.48	-0.34	0.14
Asia	-3.41	-1.43	4	9	-0.29	-0.15	0.22	-0.16	0.06
Others	4.71	-0.25	1	4	0.01	-0.01	0.15	0.04	0.19
Cash	0.00	0.00	3	0	0.00	0.00	-0.13	0.00	-0.13
Total	6.55	3.94	100	100	6.55	3.94	0.77	1.84	2.61

<sup>\*</sup>Portfolio returns are local return within the FISCH CB Global Defensive Fund.

Benchmark returns are local return within the Thomson Reuters Global Focus Investment Grade Convertible Bond Index. Weights are calculated based on average daily holdings.

Next, the portfolio managers select the most promising securities from the sectors with the best prospects based on our Bottom-Up and Top-Down analysis. The resulting performance attribution of each sector is shown in the following "Sector Contribution /Attribution (YTD)" table. The "Asset Allocation" column reflects the results of the assigned portfolio sector weights relative to the benchmark. The "Security Selection" column depicts the results of the different returns achieved by the individual securities within each sector in relation to the benchmark. The results of the asset allocation and the security selection are consolidated in the "Total" row, which can be different depending on the grouping (by region on the previous page and by sector on this page) .

### **Sector Contribution / Attribution (YTD)**

	Return	[%]	Average We	ight [%]	Contribut	tion [%]	Asset	•	
Sector	PF	вм	PF	вм	PF	ВМ	Allocation [%]	Selection [%]	Attribution [%]
Technology	24.16	21.17	15	13	3.13	1.92	0.66	0.38	1.04
Consumer Discretionary	1.75	-5.50	15	11	0.39	-0.56	-0.44	1.21	0.77
Materials	8.53	5.81	11	5	0.99	0.38	0.25	0.23	0.48
Health Care	11.19	5.50	7	7	0.57	0.35	-0.06	0.30	0.24
Communications	6.96	4.82	10	17	0.74	0.84	-0.02	0.19	0.17
Consumer Staples	12.55	0.66	1	2	0.08	-0.03	0.06	0.10	0.16
Financials	3.64	2.54	8	13	0.29	0.33	-0.07	0.10	0.04
Energy	-2.98	-4.66	7	7	-0.38	-0.39	-0.16	0.11	-0.05
Industrials	4.33	4.81	20	17	0.85	0.79	-0.01	-0.04	-0.05
Utilities	-0.75	3.21	4	11	-0.12	0.31	0.12	-0.19	-0.07
Cash	0.00	0.00	3	0	0.00	0.00	-0.13	0.00	-0.13
Total	6.55	3.94	100	100	6.55	3.94	0.20	2.40	2.61

<sup>\*</sup>Portfolio returns are local return within the FISCH CB Global Defensive Fund.

Benchmark returns are local return within the Thomson Reuters Global Focus Investment Grade Convertible Bond Index. Weights are calculated based on average daily holdings.

The key driver of the performance of convertible bonds is the performance of the underlying shares. The nature of convertible bond issuance means that the equity exposure characteristics of the asset class will differ from those of the broader equity markets.

The table below shows the performance of regional MSCI equity indices together with the relevant convertible bond 'Parity Index'. The Parity Index is based on the underlying shares of the Thomson Reuters Global Focus Convertible Bond Index, split by region, weighted by the parity of each CB. The parity of a CB represents the value of the underlying shares that would be received by a holder if that CB was converted today. Finally, we show the performance of each regional sub-index within the Thomson Reuters Global Focus Convertible Bond Index, together with the relevant regional weight.

The universe of underlying shares for convertible bonds in any given region is smaller and therefore more concentrated than that represented by the corresponding MSCI regional equity index. Furthermore, the Thomson Reuters 'Focus' family of CB indices exclude those CBs whose underlying shares perform particularly strongly or weakly that the CB features no longer a balanced profile . This further explains why the performance of the relevant regional convertible bond Parity Index may differ materially from the corresponding MSCI regional equity index.

### **CB and Equity Markets Returns (YTD)**

Relevant Region	MSCI TR Index Return		CB Global Focus IG Return	CB Global Focus IG avg. Weights
Europe	11.84%	11.32%	2.63%	67.52%
North America	19.19%	23.90%	14.54%	13.36%
Asia	27.52%	6.26%	-1.72%	8.96%
Japan	18.13%	21.28%	6.42%	5.94%
Others	N/A	N/A	-0.28%	4.22%
Total	18.26%	13.49%	3.94%	100%

<sup>\*</sup>All returns are in local currency. The returns of the MSCI TR Index are based on the following regional sub-Indices: MSCI TR Net AC Asia Pacific ex Japan, MSCI TR Net AC Europe, MSCI TR Net North America, MSCI Daily TR Net Japan, MSCI AC World Daily TR Net.

5 best Positions by Underlyer (YTD)	
best Positions by officerityer (110)	Absolute
STMICROELECTRONI/ST/EUR	1.16%
INTEL CORP/ST/USD	0.51%
ILLUMINA INC/ST/USD	0.46%
SONY CORP/ST/JPY	0.44%
COVESTRO AG/ST/EUR	0.40%

	Relative
STEINHOFF INT NV/ST/EUR	0.42%
SEMICONDUCTOR MA/ST/HKD	0.36%
INTL CONS AIRLIN/ST/GBp	0.34%
PRYSMIAN SPA/ST/EUR	0.25%
SYMRISE AG/ST/EUR	0.24%

5 Worst Positions by Underlyer (YTD)	
5 troiser ositions by onderlyer (115)	Absolute
STEINHOFF INT NV/ST/EUR	-0.54%
CHINA RAIL CN-H/ST/HKD	-0.19%
TECHNIPFMC PLC/ST/EUR	-0.18%
CARDTRONICS INC/ST/USD	-0.11%
KUNLUN ENERGY/ST/HKD	-0.07%

	Relative
ENN ENERGY HOLDI/ST/HKD	-0.21%
DEUTSCHE WOHN-BR/ST/EUR	-0.17%
KUNLUN ENERGY/ST/HKD	-0.17%
SWISS LIFE H AG/ST/CHF	-0.16%
PRICELINE.COM/ST/USD	-0.16%

### **Positioning**

### **Securities**

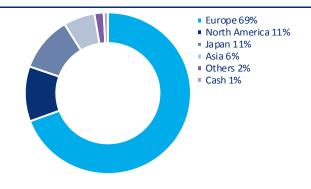
Top 10 Positions	
	Weight
STMICROELECTRON/0.25%/03.07.2024	3.51%
AMERICA MOVIL(KPN)/0%/28.05.2020	3.30%
BAYER AG (COVESTRO)/0.05%/15.06.2020	3.14%
TOTAL SA/0.5%/02.12.2022	3.01%
PRYSMIAN SPA/0%/17.01.2022	2.91%
AIRBUS(DASSAULT AVIATION)/0%/14.06.2021	2.68%
SIEMENS FINAN/1.65/16.08.2019	2.67%
BASF SE/0.925%/09.03.2023	2.66%
FRESENIUS SE & C/0%/31.01.2024	2.66%
ILLUMINA INC/0.5%/15.06.2021	2.63%

Top 5 Overweights	
	Weight
PRYSMIAN SPA/0%/17.01.2022	2.91%
SYMRISE AG/0.2375%/20.06.2024	2.24%
BEKAERT SA/0%/09.06.2021	2.07%
INTL CONSOLIDAT/0.625%/17.11.2022	1.78%
STMICROELECTRON/0.25%/03.07.2024	1.70%

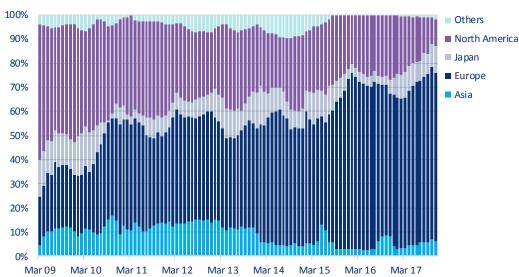
Top 5 Underweights	Weight
	vveignt
AMERICA MOVIL(KPN)/0%/28.05.2020	-2.81%
STEINHOFF FINANC/1.25%/11.08.2022	-2.21%
STEINHOFF FINANC/1.25%/21.10.2023	-2.09%
DEUTSCHE WOHNEN/0.6%/05.01.2026	-1.87%
STMICROELECTRON/0%/03.07.2022	-1.80%

### Regions

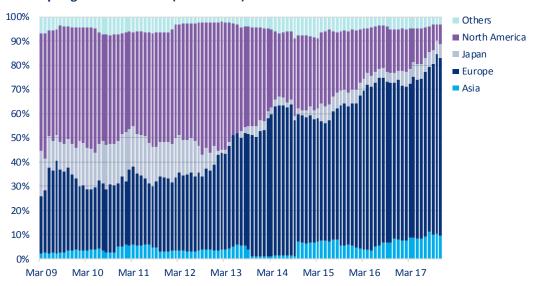
Regional Allocations	Weight	Relative
Europe	69.35%	-4.22%
North America	11.03%	2.67%
Japan	10.91%	5.24%
Asia	6.11%	-3.28%
Others	1.80%	-1.21%
Cash	0.80%	0.80%
Total	100%	0%



### **Monthly Regional-Allocation (Portfolio)**

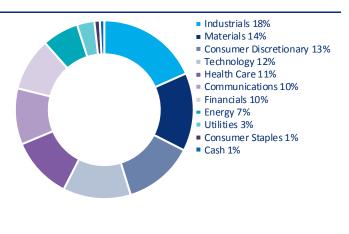


### **Monthly Regional-Allocation (Benchmark)**



### **Sectors**

Sector Allocation	Weight	Relative
Industrials	18.35%	2.82%
Materials	14.15%	7.38%
Consumer Discretionary	12.71%	2.94%
Technology	12.29%	1.42%
Health Care	11.19%	3.77%
Communications	10.17%	-5.52%
Financials	9.60%	-5.63%
Energy	6.60%	0.78%
Utilities	3.15%	-7.74%
Consumer Staples	0.98%	-1.01%
Cash	0.80%	0.80%
Total	100%	0%



### **Equity Sensitivity**

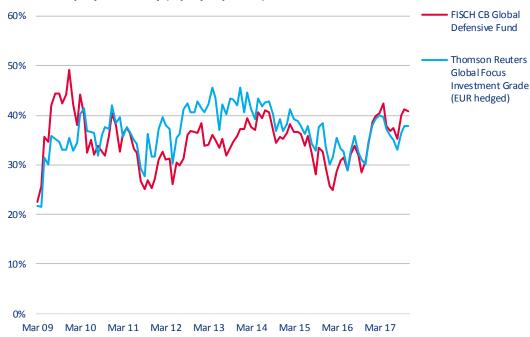
The delta (also known as the hedge ratio) of a convertible bond indicates by how much the absolute value of the convertible (e.g. in EUR, USD or CHF) changes if the underlying equity package rises or falls by one unit (EUR, USD or CHF). For percentage observations and aggregation at the portfolio level, the delta is not suitable. The absolute changes must be converted for percentage observations. This results in the so-called equity exposure.

The equity sensitivity (also known as the equity exposure or delta%) of a convertible bond portfolio indicates how strongly the portfolio or an individual convertible reacts to equity market fluctuations. The equity sensitivity of a convertible bond is between 0% and 100%. A value of 50% means that the portfolio (or an individual convertible) participates at a rate of 50% in the price movement of the equity market (or of the underlying equity).

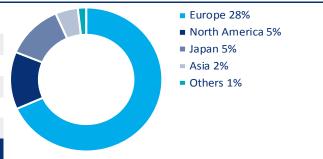
The **beta-adjusted equity sensitivity** also takes into account the beta of the underlying equity. If the underlying equity moves more strongly (high beta) or less strongly (low beta) than the overall market, the equity sensitivity is adjusted accordingly.

Equity Sensitivity	Portfolio	Benchmark
Delta	49.89%	46.57%
Equity Exposure	40.79%	37.87%
Equity Exposure Beta Adjusted	42.46%	36.40%

### **Historical Equity Sensitivity (Equity Exposure)**



Equity Exposure Allocation		
4,	Weight	Relative
Europe	27.86%	1.03%
North America	5.27%	0.44%
Japan	4.99%	3.39%
Asia	1.96%	-1.83%
Others	0.7%	-0.11%
Total	40.79%	2.92%



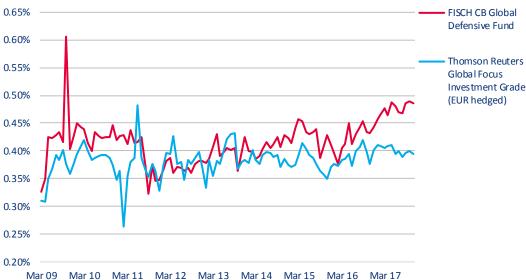
### **Volatility Sensibility**

The volatility sensitivity of a convertible bond portfolio is referred to as **vega**. This figure indicates how strongly a convertible rises/falls in percentage terms if the volatility of the equity market changes. The following holds true: If volatility is rising, the value of a convertible increases, and vice versa. This effect offers an added protection if stock exchanges are falling, because in such an environment the volatility usually rises. The volatility sensitivity (vega) can be calculated for individual convertible bonds as well as for the entire portfolio.

The **implied volatility** is the convertible pricing model volatility input that brings the fair value of a convertible into line with its market price. A value of 25% could, on the one hand, be interpreted to mean that the convertible bond investors expect future stock exchange volatility of 25%. On the other hand, the implied volatility is a measure of the price of the call option and is independent from the demand for convertible bonds.

Volatility Sensitivity	Portfolio	Benchmark
Vega	0.49%	0.40%
Implied Volatility	28.97%	27.06%

### Historical Volatility Sensitivity (Vega)



### **Interest Rate Sensitivity**

The **modified duration** of a convertible bond expresses the interest rate sensitivity of the bond component. Since this figure does not take into account any possible right to put the bond back to the issuer or the conversion right, however, the figure is misleading in the case of convertible bonds.

The **duration to put or residual maturity** takes into account any possible put feature but continues to ignore the conversion right.

**Effective Duration (Rho)** measures the sensitivity of the convertible price to movements in interest rates. It is expressed as the percentage increase (or decrease) in the convertible price for a one percentage point fall (or rise) in interest rates (in the currency of the convertible). Frequently in the case of convertible bonds, the duration or the residual maturity is mistakenly used as a measure of the interest rate sensitivity. But these figures do not go far enough. On the one hand, put features often exist, and on the other hand, the convertible contains a conversion option, and these have a mitigating influence on the interest rate sensitivity. Due to put features and the conversion option, convertible bonds have extremely modest interest rate sensitivity and are therefore very attractive in times of rising interest rates (inflation).

Interest Rate Sensitivity			
•	Portfolio	Benchmark	
Duration	4.33%	3.62%	
Duration to Put else Maturity	4.09%	3.30%	
Effective Duration (Rho)	2.54%	2.33%	

### **Historical Interest Rate Sensitivity (Effective Duration)**



### **Credit Risk**

The **credit spread** is a measure of the estimated creditworthiness by the market.

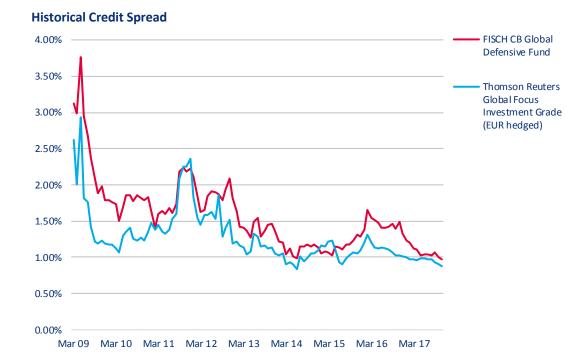
The **official rating** is given by a rating agency (S&P, Moody's, etc.) for the credit quality of a security.

If a convertible bond (or its issuer) does not have an official rating, an **implied rating** can be ascertained. The implied rating is a measure of how the issuer quality is rated by the market. Implied ratings react much more quickly than official ratings to changes in credit quality or new information.

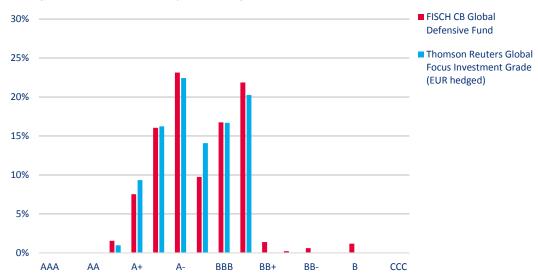
In the case of **official/implied rating**, the official rating is taken into account if available. Otherwise, the implied rating is used.

**Omicron** measures the sensitivity of the convertible price to changes in the credit spread. It is expressed as the percentage increase (or decrease) in the convertible price for a one percentage point narrowing (or widening) of the credit spread.

Credit Risk	Portfolio	Benchmark
Credit Spread	0.98%	0.88%
Implied Rating	А	A+
Official Rating else Implied Rating	A-	A-
Omicron	3.00%	2.68%



### **Rating Allocation (Official/Implied Rating)**



### **Bond Floor**

The **bond floor** represents the present value of all cash flows of a convertible bond and hence ignores the conversion option, calls, puts, etc. The bond floor is thus equivalent to the value of a straight bond of the same issuer with an identical maturity and coupon. The difference between the bond floor and the convertible bond price represents the option value of the convertible bond. The bond floor is expressed here as a percentage of the market value of the convertible bond portion of the portfolio. For example, if the nominal bond floor was 80 and the market value of all bonds was 160, this would indicate a bond floor of 50%. This allows the bond floor of a portfolio to be comparable to that of the convertible bond benchmarks we use.

The bond floor is not a risk measure that charts the price movements of the convertible bond during changing market conditions. For an assessment of the behaviour of the portfolio during market changes, please refer to the scenario analysis.

Bond Floor	Portfolio	Benchmark
Bond Floor	85.74%	88.76%



### **Active Share and Tracking Error**

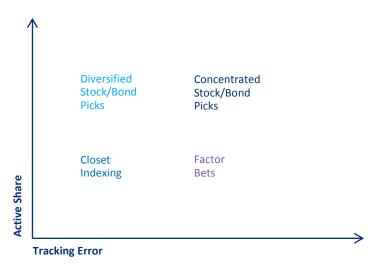
**Active share** and **tracking error** are metrics used to measure the degree of active management in a portfolio.

**Active share** is the percentage of a portfolio that differs from its benchmark. It considers the overweights and underweights of the portfolio's constituent holdings relative to their weights in the benchmark. An active share of zero means the portfolio is identical to the benchmark, whereas a value of 100 means there is no overlap with the benchmark.

**Tracking error** is another metric that measures deviation versus the benchmark. Whereas volatility measures the absolute standard deviation of a portfolio, tracking error measures the volatility relative to the benchmark. In other words, it measures the volatility of the differences in returns between a portfolio and benchmark.

Cremers and Petajisto<sup>1</sup> compare these two metrics for measuring active management. Tracking error focuses on factor timing, which involves bets on systematic risk factors. In contrast to this, active share looks at the individual stock/bond picks. Based on the two metrics, Cremers and Petajisto distinguish between four different types (see diagram below). A diversified stock/bond picker can be very active despite the low tracking error because the security selection within certain sectors can result in significant deviation from the benchmark positions.

Compared with this, a fund that focuses on factor bets can have a large tracking error even if there are no substantial deviations from the benchmark positions at the security level. The authors conclude in their study that among the funds they examined, those with the highest active share outperform their benchmarks both before and after costs on a statistically significant basis.



<sup>1</sup>: K. J. M. Cremers and A. Petajisto, 2009, How Active Is Your Fund Manager? A New Measure That Predicts Performance, *Review of Financial Studies*, 22(9):3329-3365

Active Share and Tracking Error	Portfolio
Tracking Error 1 Year	1.23%
Annualised Tracking Error 3 Years	1.42%
Annualised Tracking Error since Strategy Start (31.03.2009)	1.76%
Active Share	46.59%

### **Historical Active Share**



### Scenario Analysis

The table below shows the effect of two market scenarios on the current convertible bond portfolio.

In the "Bull" scenario, a strong rise in the equity markets is assumed. In this positive economic environment, rising interest rates and a simultaneous narrowing of credit spreads as well as volatility can also be expected.

In the "Bear" scenario, a sharp drop in the equity markets is assumed. In this negative economic environment, falling interest rates and a simultaneous widening of credit spreads can be expected. Volatility rises strongly.

In addition, the current coupon income and the time decay of the portfolio on an annualised basis are included in both scenarios.

The input values used in both scenarios are in line with historically plausible constellations. Changes in the convertible bond portfolio are determined by the input variables (equity markets, interest rates, volatility and credit spreads) used in the scenario analysis.

Our model calculates the prices of each individual security in the portfolio corresponding to the changed input values, which provides a more precise result than the simulation with the risk sensitivities ('Greeks'). The results of the individual risk factors relate solely to the change in the factor itself, without any influence from changes in the other factors ('ceteris paribus' rule). The total result, however, takes into account the changes in all factors together and is therefore not additive to the individual factors.

Scenario "Bull"			Scenario "Bear"		
Scenario "Buli	Movement	Portfolio	Scenario "Bear	Movement	Portfolio
Equity Markets	25.00%	12.98	Equity Markets	-25.00%	-8.06
Credit Spreads	-1.80% HY/ -0.90% IG	2.59	Credit Spreads	1.80% HY/ 0.90% IG	-2.76
Interest Rates	1.00%	-2.50	Interest Rates	-1.00%	2.80
Volatility	-2.00%	-1.02	Volatility	4.00%	2.10
Coupon		0.22	Coupon		0.22
Time Value		-0.25	Time Value		-0.26
Total*		12.02	Total*		-5.96

<sup>\*</sup>The total is not equal to the sum of the individual factors (see explanation above).

>> The defensive strategy invests in the most attractive convertible bonds worldwide.

The aim of this broadly diversified strategy is to outperform the benchmark.

### Investment Strategy | Track Record

### **Investment Philosophy**

### **Investment Principles**

The investment philosophy of Fisch Asset Management is based on the following principles:

- Active management and generation of alpha
- Clearly structured and disciplined processes
- Consistency and continuity (according to the principle "same input same output")
- Independence
- Innovation in technology and know-how
- Specialization in convertible bonds

Prescribed guidelines and IT tools developed in-house ensure and support the implementation of the philosophy and strategy in each fund. All processes and procedures are strictly teambased and independent from decisions by individual persons.

### **Alpha Sources**

The goal of the clearly structured investment process of Fisch Asset Management is to generate alpha. There are three sources of alpha:

Security alpha (security analysis)
 Macro alpha (macro analysis)
 Portfolio alpha (portfolio construction)

The steering of alpha sources/risks adheres to a precisely defined investment/risk control process and is thus clearly quantifiable and controllable at all times.

### Macro Analysis Top-down (Macro Alpha): 30%

Top-down process, monthly decision in asset allocation meeting (also in shorter intervals if needed).

- Steering of regional/sector allocations
- Steering of equity sensitivity (delta)
- Steering of credit quality (omicron)
- Steering of volatility sensitivity (vega)
- Steering of interest rate sensitivity (rho)

### Security Analysis Bottom-up (Security Alpha): 60%

Bottom-up process, daily screening of the relevant universe, steering of the position weights (over/underweight versus benchmark), fastest possible implementation in the portfolio subject to the investment guidelines. The position size depends on the respective strategy.

### Portfolio Construction (Portfolio Alpha): 10%

In implementing the macro and security alpha, the trading desk generates added value of about 10%. Buying/selling is carried out according to the best execution principle.

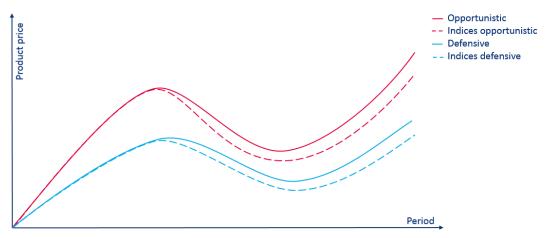
Precise localization of the alpha sources simplifies the analysis of the investment process. The localization also identifies where decision-making leeway exists for the asset manager and where not. Measurement of the alpha takes place in the performance attribution/contribution.

### The Two Fisch Convertible Strategies

**Description of the Strategies** Fisch Asset Management offers different investment strategies in the field of convertible bonds. Apart from absolute return approaches, the defensive and opportunistic convertible bond strategies are the core strategies.

The following chart illustrates the expected behaviour of the defensive and opportunistic strategies over the market cycle. The goal of both strategies is **to lose less** than the respective benchmark during weak phases and to at least match the benchmark return during rising markets. The opportunistic strategy is managed versus the Thomson Reuters Global Focus convertible bond benchmark, whereas the universe for the defensive benchmark is limited to investment grade securities. The opportunistic strategy is thus riskier, but thanks to its higher risk premium, it should beat the defensive strategy over the market cycle.

### Desired Behaviour of the Two CB Strategies

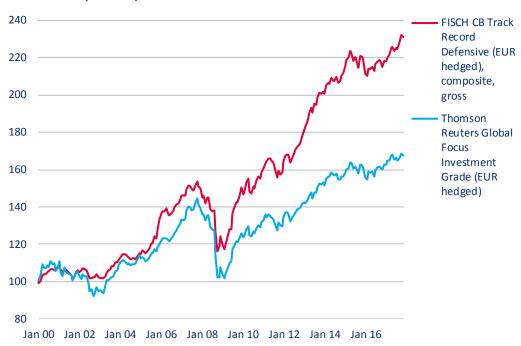


The investment focus of the **defensive strategy** of Fisch Asset Management is on asymmetric convertible bonds with high credit quality. This allows for participation in rising equity markets and provides a high degree of protection during weaker market phases.

The **opportunistic strategy** of Fisch Asset Management exploits opportunities in the global convertible bond universe. This strategy allows for the implementation of our investment ideas while maintaining the greatest possible flexibility.

### Track Record of the Defensive Strategy

### Performance (indexed)



### Defensive

FISCH CB Track Record Defensive (EUR hedged), gross Composite

### Benchmark

Thomson Reuters Global Focus Investment Grade (EUR hedged)

Key Figures	Defensive	Benchmark	Relative
Month to Date Return	-0.49%	-0.66%	0.17%
Quarter to Date Return	1.49%	0.93%	0.56%
Year to Date Return	5.78%	3.04%	2.74%
Return 1 Year	7.33%	4.63%	2.71%
Annualized Return 3 Years	3.16%	2.38%	0.77%
Annualized Return 5 Years	5.76%	3.71%	2.05%
Annualised Return since Inception (01.02.2010)	4.78%	2.92%	1.86%
Volatility 3 Years	4.49%	4.65%	-0.16%
Sharpe Ratio 3 Years	0.75	0.55	0.19

### Track Record of the Opportunistic Strategy

### Performance (indexed)



### Opportunistic FISCH CB Track Record Opportunistic (EUR hedged), gross Composite

### Benchmark Thomson Reuters Global Focus (EUR hedged)

Key Figures	Opportunistic	Benchmark	Relative
Month to Date Return	-0.62%	-0.45%	-0.17%
Quarter to Date Return	1.02%	0.71%	0.31%
Year to Date Return	6.23%	5.46%	0.77%
Return 1 Year	8.34%	6.73%	1.60%
Annualized Return 3 Years	3.47%	2.98%	0.49%
Annualized Return 5 Years	6.49%	5.71%	0.78%
Annualised Return since Inception (01.03.2003)	6.17%	5.30%	0.86%
Volatility 3 Years	4.75%	5.52%	-0.77%
Sharpe Ratio 3 Years	0.77	0.58	0.20

### Track Record of the Sustainable Strategy

### Performance (indexed)



# **Sustainable**FISCH CB Track Record Sustainable (EUR hedged), gross

Composite

Benchmark 15.05.2009 -31.03.2011 Thomson Reuters Global Focus Investment Grade (EUR hedged) from 01.04.2011 Thomson Reuters Global Focus

(EUR hedged)

VEl			
Key Figures	Sustainable	Benchmark	Relative
Month to Date Return	-0.87%	-0.45%	-0.41%
Quarter to Date Return	1.67%	0.71%	0.96%
Year to Date Return	7.01%	5.46%	1.55%
Return 1 Year	7.91%	6.73%	1.17%
Annualized Return 3 Years	3.39%	2.98%	0.41%
Annualized Return 5 Years	6.72%	5.71%	1.01%
Annualised Return since Inception (15.05.2009)	6.83%	6.97%	-0.14%
Volatility 3 Years	5.12%	5.52%	-0.40%
Sharpe Ratio 3 Years	0.70	0.58	0.12

### **Available Fund Share Classes**

### **Convertible Bonds Defensive**

	ISIN / Valor	WKN	Currency	Currency Hedged	Distributing	Minimum Investment	Management Fee	Performance Fee	Inception Date
FISCH CB Global Def Fund AC	LU0476938021	A0YJ8W	CHF	Yes	No	CHF 2'500	1.5% p.a.	none	14.01.2010
	10875224								
FISCH CB Global Def Fund AD	LU0402208283	A0RK4T	USD	Yes	No	USD 2'500	1.5% p.a.	none	12.12.2008
	4864415								
FISCH CB Global Def Fund AE	LU0162829799	216720	EUR	Yes	No	EUR 2'500	1.5% p.a.	none	28.02.2003
	1556024								
FISCH CB Global Def Fund AE2	LU0162829872	216723	EUR	Yes	Yes	EUR 2'500	1.5% p.a.	none	28.02.2003
	1556012								
FISCH CB Global Def Fund BC	LU0605323467	A1H863	CHF	Yes	No	CHF 250'000	0.5% p.a.	10.0%	31.03.2011
	12747504								
FISCH CB Global Def Fund BD	LU0402208523	A0RK4U	USD	Yes	No	USD 250'000	0.5% p.a.	10.0%	28.02.2013
	4864441								
FISCH CB Global Def Fund BE	LU0162831936	216724	EUR	Yes	No	EUR 250'000	0.5% p.a.	10.0%	28.02.2003
	1556031								
FISCH CB Global Def Fund BE2	LU0909491952	A1T7S3	EUR	Yes	Yes	EUR 250'000	0.5% p.a.	10.0%	28.03.2013
	21039624								
FISCH CB Global Def Fund BQC	LU1353174110	A2AD6R	CHF	Yes	No	CHF 250'000	0.75% p.a.	none	29.01.2016
	31259586								
FISCH CB Global Def Fund BQE	LU1083847514	A1189H	EUR	Yes	No	EUR 250'000	0.75% p.a.	none	31.07.2014
-	24798359								
FISCH CB Global Def Fund MC	LU0542657944	A1JXTU	CHF	Yes	No	CHF 10'000'000	by arrangement	by arrangement	29.04.2011
	11756364								
	•		<del></del>					•	

### **Convertible Bonds Opportunistic**

	ISIN / Valor	WKN	Currency	Currency Hedged	Distributing	Minimum Investment	Management Fee	Performance Fee	Inception Date
FISCH CB Global Opp Fund AC	LU0162832405	216729	CHF	Yes	No	CHF 5'000	1.5% p.a.	none	31.12.2003
	1556039								
FISCH CB Global Opp Fund AD	LU0996292743	A1XBES	USD	Yes	No	USD 5'000	1.5% p.a.	none	18.12.2013
	22896456								
FISCH CB Global Opp Fund AE	LU0476938294	A0YJ8V	EUR	Yes	No	EUR 5'000	1.5% p.a.	none	14.01.2010
	10875227								
FISCH CB Global Opp Fund BC	LU0162832744	216731	CHF	Yes	No	CHF 500'000	0.5% p.a.	10.0%	28.02.2003
	1556044								
FISCH CB Global Opp Fund BD	LU0996293121	A1XBET	USD	Yes	No	USD 250'000	0.5% p.a.	10.0%	18.12.2013
	12747490								
FISCH CB Global Opp Fund BE	LU0542658082	A1H861	EUR	Yes	No	EUR 250'000	0.5% p.a.	10.0%	31.03.2011
	11756381								
FISCH CB Global Opp Fund BE2	LU0605324192	A1H862	EUR	Yes	Yes	EUR 250'000	0.5% p.a.	10.0%	01.04.2011
	12747490								
FISCH CB Global Opp Fund BQE	LU1083848751	A1183N	EUR	Yes	No	EUR 250'000	0.75% p.a.	none	31.07.2014
	24798361								
FISCH CB Global Opp Fund MC	LU0428953698	A1C1UL	CHF	Yes	No	CHF 10'000'000	by arrangement	by arrangemen	t 01.12.2010
	10171280								

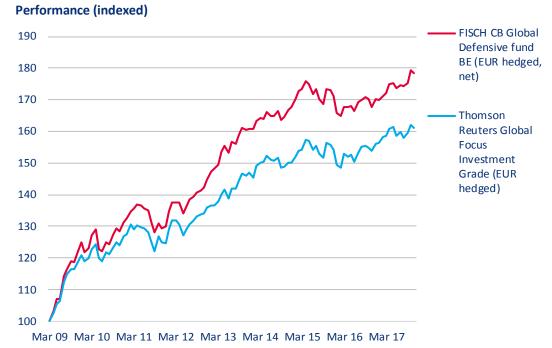
### Convertible Bonds Sustainable

Share classes of FISCH CB Sustainable									
	ISIN / Valor	WKN	Currency	Currency Hedged	Distributing	Minimum Investment	Management Fee	Performance Fee	Inception Date
FISCH CB Sustainable AC	LU0428953342	A0RNW5	CHF	Yes	No	CHF 2'500	1.5% p.a.	none	15.05.2009
	10172021								
FISCH CB Sustainable AD	LU0445341935	A0YFF9	USD	Yes	No	USD 2'500	1.5% p.a.	none	03.11.2009
	10438366								
FISCH CB Sustainable AE	LU0428953425	A0RNW6	EUR	Yes	No	EUR 2'500	1.5% p.a.	none	15.05.2009
	10172023								
FISCH CB Sustainable BC	LU1130246314	A12D8M	CHF	Yes	No	CHF 250'000	0.9% p.a.	none	31.10.2014
	25872159								
FISCH CB Sustainable BD	LU1130246405	A12D8N	USD	Yes	No	USD 250'000	0.9% p.a.	none	31.10.2014
	25872162								
FISCH CB Sustainable BE	LU1130246231	A12D8P	EUR	Yes	No	EUR 250'000	0.9% p.a.	none	31.10.2014
	25872158								
FISCH CB Sustainable BE2	LU1253562653	A14V71	EUR	Yes	Yes	EUR 250'000	0.9% p.a.	none	30.06.2015
	28718675								
FISCH CB Sustainable MC	LU1099412550	A11990	CHF	Yes	No	CHF 10'000'000	by arrangement	none	20.08.2014
	25179596								
FISCH CB Sustainable ME	LU1461846005	A2APVM	EUR	Yes	No	EUR 10'000'000	by arrangement	none	29.07.2016
	33428685								

### Performance FISCH CB Global Defensive Fund – EUR Hedged

The defensive strategy has been implemented in the portfolio of the FISCH CB Global Defensive Fund relative to the mentioned benchmark Thomson Reuters Index since

1st April 2009.



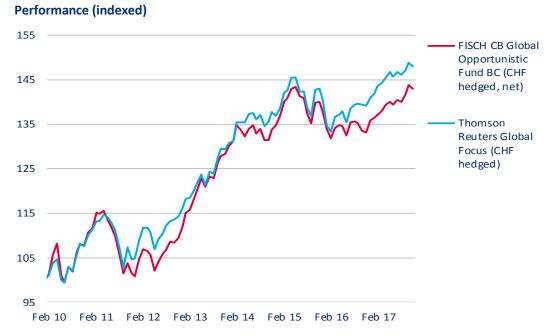
### Portfolio FISCH CB Global Defensive Fund BE (EUR hedged, net)

### Benchmark Thomson Reuters Global Focus Investment Grade (EUR hedged)

Key Figures	Portfolio	Benchmark	Relative
Currency	EUR	EUR	
Month to Date Return	-0.50%	-0.66%	0.16%
Quarter to Date Return	1.75%	0.93%	0.82%
Year to Date Return	4.83%	3.04%	1.78%
Return 1 Year	6.31%	4.63%	1.68%
Annualized Return 3 Years	2.29%	2.38%	-0.09%
Annualized Return 5 Years	4.61%	3.71%	0.90%
Annualised Return since Inception (01.04.2009)	6.90%	5.64%	1.26%
Volatility 3 Years	4.44%	4.65%	-0.21%
Sharpe Ratio 3 Years	0.56	0.55	0.01

## Performance FISCH CB Global Opportunistic Fund – CHF Hedged

The opportunistic strategy has been implemented in the portfolio of the FISCH CB Global Opportunistic Fund relative to the mentioned benchmark Thomson Reuters Index since 1st February 2010.



### Portfolio FISCH CB Global Opportunistic Fund BC (CHF hedged, net)

### Benchmark Thomson Reuters Global Focus (CHF hedged)

Key Figures	Portfolio	Benchmark	Relative
Currency	CHF	CHF	
Month to Date Return	-0.61%	-0.49%	-0.12%
Quarter to Date Return	0.80%	0.65%	0.16%
Year to Date Return	5.26%	5.11%	0.15%
Return 1 Year	7.28%	6.33%	0.95%
Annualized Return 3 Years	2.23%	2.45%	-0.22%
Annualized Return 5 Years	5.49%	5.33%	0.16%
Annualised Return since Inception (01.02.2010)	4.66%	5.14%	-0.47%
Volatility 3 Years	4.88%	5.51%	-0.62%
Sharpe Ratio 3 Years	0.60	0.58	0.03

### Performance FISCH CB Sustainable Fund – EUR Hedged

### Performance (indexed)

The sustainable strategy has been implemented in the portfolio of the FISCH CB Sustainable Fund relative to the mentioned benchmark Thomson Reuters Index since 15st of May 2009.



### **Portfolio** FISCH CB Sustainable BE (net of fee)

### Benchmark Thomson Reuters Global Focus (EUR hedged)

Key Figures	Portfolio	Benchmark	Relative
Currency	EUR	EUR	
Month to Date Return	-0.96%	-0.45%	-0.50%
Quarter to Date Return	1.49%	0.71%	0.77%
Year to Date Return	5.98%	5.46%	0.52%
Return 1 Year	6.78%	6.73%	0.05%
Annualized Return 3 Years	2.31%	2.98%	-0.67%
Annualised Return since Inception (01.11.2014)	2.48%	3.41%	-0.93%
Volatility 3 Years	5.22%	5.52%	-0.30%
Sharpe Ratio 3 Years	0.48	0.58	-0.10

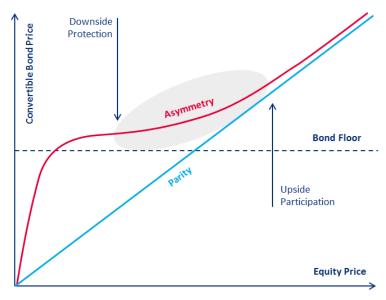
Convertible bonds have shown very attractive returns relative to the bond and equity markets, together with a significantly lower volatility than equities.

### Convertible Bond Market

### Characteristics of Convertible Bonds

A convertible bond is a combination of a bond (=debt security) and a conversion right (=call option) into a fixed number of shares. This option provides asymmetric participation in share price movements. Rising share prices have a stronger impact on the price trend of a convertible than to falling share prices because the bond floor limits the decline in the convertible bond's value. The asymmetry of a convertible is at its peak in the hybrid area (a delta of 0.4 to 0.6).

### **Asymmetry**



### Source Fisch Asset Management

### **Advantages of Convertible Bonds**

### **Automatic Timing Effects**

The equity exposure of a convertible adapts automatically to changes in share price. Exposure increases as share prices rise and declines as share prices fall, which has an automatic risk-reducing effect. Through this asymmetry, the convertible bond becomes more equity-like as share prices rise and provides downside protection as share prices fall. This protection stems from the fact that the bond will be repaid at 100% at maturity, assuming there is no default.

### Risk Premiums

An investor who buys a convertible bond simultaneously acquires four special risk premiums that promise above-average returns in the medium term: a liquidity premium (a convertible is often less liquid than a straight bond and a separate call option), a premium due to the long maturity of the call option, a credit risk premium on the option and a growth premium since convertibles are often issued by relatively small companies from growth industries. Given that a convertible bond combines all these risk premiums in one instrument, investors usually receive a package discount (because of the above-mentioned liquidity premium).

### Advantages in Special Market Situations

### **Protection during Rising Interest Rates**

In times of rising interest rates, especially due to positive economic prospects, convertible bonds have the advantage that they lose less value than straight bonds or can even manage to produce positive returns. This is attributable to the generally shorter duration, to the value of the conversion right and to the investor's implied put option on the bond component at conversion (exotic bond put).

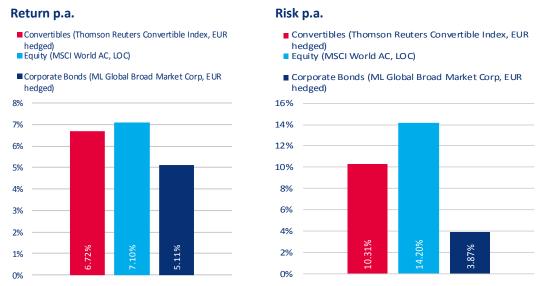
### Protection in falling equity markets (volatility effects)

When share prices fall sharply, market volatility generally rises significantly. The conversion right corresponds to a call option, which increases in value in response to market volatility. Through this negative correlation of equity markets and volatility, convertible bonds offer an additional reduction of downside risk in phases of market stress.

### Historical performance Comparison

### **Performance Chart (indexed)**





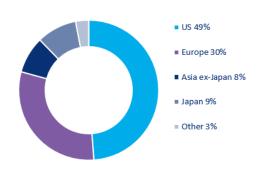
Since the inception of the relevant indices (1996), convertible bonds have demonstrated very attractive returns relative to bond and equity markets, plus significantly lower volatility than equities.

### Convertible Bond Market

The size of the convertible bond universe is approximately USD 500 billion, and convertibles have an average credit rating of about BB+. Most convertible bonds are issued in the USA and Europe. Issuers are very frequently from growth industries. By offering investors a conversion right, the issuers lower the required interest payments on a bond.

### **Issuing Activity**

Regional as of November 2017



Annual convertible bonds issuance in USD bn

Year	USA	Europe	Asia ex- Japan	Japan	Others	Total
1999	41.0	35.0	4.3	9.0	4.7	94.1
2000	67.3	33.8	6.8	5.1	10.0	123.0
2001	101.9	48.4	8.8	4.4	2.0	165.5
2002	55.9	23.7	11.2	7.9	2.1	100.8
2003	96.1	50.8	17.0	12.6	3.6	180.1
2004	50.7	19.9	22.1	18.3	5.8	116.9
2005	44.3	18.5	13.3	4.7	3.8	84.5
2006	74.9	22.9	18.5	13.9	6.9	137.0
2007	102.3	41.4	33.9	10.6	14.8	203.0
2008	69.3	18.5	11.2	8.9	6.1	114.0
2009	38.5	38.3	12.9	4.8	9.5	104.1
2010	37.5	21.3	26.6	4.8	13.1	103.4
2011	25.3	15.5	20.4	4.5	6.9	72.6
2012	23.0	21.5	7.4	3.7	5.9	61.5
2013	46.1	29.5	9.6	6.9	4.3	96.5
2014	49.0	26.6	9.3	8.8	4.1	97.8
2015	35.4	23.1	7.9	7.7	8.0	82.0
2016	36.3	27.7	7.3	4.3	2.2	77.9
2017 (Ann.)	37.4	23.3	6.5	7.1	2.3	76.5

Source UBS, November 2017

>> Transparency, open communication, entrepreneurial spirit and mutual respect are the principles that define our corporate culture, and which we put into practice every day. These are key factors for our long-term performance as an asset manager, and hence for the success of our investors.

### Fisch Asset Management

### **Brief Profile**



**Kurt Fisch** Founder



**Dr. Pius Fisch** Founder

Fisch Asset Management is a focussed and active manager of investment funds and institutional mandates. A global leading position in the field of convertibles has been established since foundation. With the same goal in mind, the company also began managing corporate bonds eleven years ago, focusing primarily on high yield and emerging market corporate bonds. Absolute return and trend following products were added to the asset management range eight years ago. The independent asset management boutique was founded by Kurt and Pius Fisch in 1994. With its 86 employees, Fisch managed assets of CHF 10.42 billion at the end of September 2017. The asset management team consists of 24 portfolio managers with an average of 13 years of investment experience, including 15 senior managers. Thanks to the majority stake in the independent credit analysis firm Independent Credit View (14 analysts with an average of 19 years of experience), Fisch Asset Management is also a leader in credit analysis and monitoring. Focusing on sophisticated investors, we offer tailored solutions and public investment funds. In all our products, we strive for outperformance in line with the respective strategy, with particular emphasis on positive relative returns in phases of market stress. Our key performance drivers in this process are credit research/security selection, trend recognition and our macroeconomic model. Comprehensive reporting and transparent communication with investors are also a priority for us.

Successful management of convertible bonds requires competence in the key components of convertibles, in trend recognition and in the behaviour of the different components under market stress. Our expertise in these areas is underscored by the 2014 Lipper Group Award for the asset class "Bond Small" in Germany and Austria. After 2010, 2011, 2012 and 2013 our FISCH Bond CHF Fund received also in 2014 over three, five and 10 years many awards in the category Bond Swiss Franc. In Switzerland, the FISCH CB Sustainable Fund won in 2014 an award over 3 years in the category of global investing sustainable convertible funds. The FISCH Bond Fund (CHF) was honoured by Citywire in 2016 in its asset class Bonds – Swiss Franc as well as for its manager. The FISCH Bond Fund (CHF) was honoured by Citywire in 2016 and in 2017 in its asset class "Bonds – Swiss Franc" as well as for its manager.

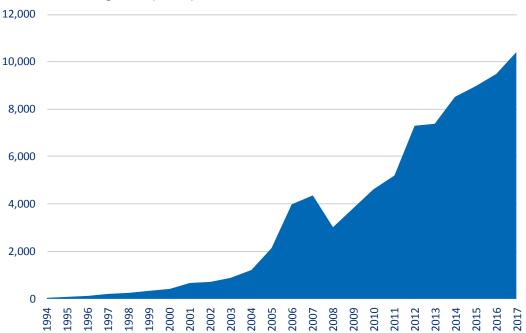
Our corporate culture is marked by entrepreneurial spirit, joint participation and independence. 100% of the shares are owned by the employees, with the majority held by the two founders of the firm.

### **Cooperate Alliances**

In 2009, Fisch launched the first sustainable convertible bond fund together with cooperation partner Bank J. Safra Sarasin AG, which provides the sustainability research.

### **Development of Assets under Management**





Fisch Asset Management has recorded a strong rise in assets under management in the past years. As of 30.09.2017 the assets under management amount to CHF 10.42 bn.

### **Company Structure**

### **Organisation Chart**





### **Investment Team**

Investment Team	Years at	Years of	Years	of	Research Responsibility	Function	
	Fisch	Investment Experience	Indust	try Experience			
Convertible Bonds							
Dr. Klaus Göggelmann	2007 (10)	1999 (18)	1984	(33)	North America / Financials	Senior PM	
Roland Hotz	2001 (16)	2001 (16)	1977	(40)	Europe and others / Consumer Disc. & Staples	Senior PM	
Stefan Meyer	2008 (9)	1994 (23)	1994	(23)	Asia / Information Technology	Senior PM	
Stephanie Zwick	2010 (7)	2010 (7)	2003	(14)	-	Senior PM	
Ute Heyward	2011 (6)	2006 (11)	2002	(15)	North America / Communications, Healthcare	Senior PM	
Filip Adamec	2016 (1)	2006 (11)	2006	(11)	Global Credit / Materials, Energy / Yield Monitor	PM	
Florina Schmid	2009 (8)	2015 (2)	2012	(5)	-	PM	
Leonardo Spangaro	2015 (2)	2015 (2)	2011	(6)	Japan / Industrials, Utilities	PM	
Corporate Bonds							
Philipp Good	2007 (10)	2002 (15)	1995	(22)	-	Senior PM, CEO	
Hannes Boller	2008 (9)	2008 (9)	2005	(12)	Asia	Senior PM	
Peter Jeggli	2005 (12)	1987 (30)	1987	(30)	North America	Senior PM	
Kyle Kloc	2016 (1)	2000 (17)	2000	(17)	North America, Europe	Senior PM	
Meno Stroemer	2014 (3)	2000 (17)	1992	(25)	Central Europe, Middle East, Africa	Senior PM	
Oliver Reinhard	2013 (4)	2008 (9)	2001	(16)	Europe	PM	
Claudia von Waldkirch	2011 (6)	2007 (10)	2002	(15)	Latin America	PM	
Sergio Coviello	2012 (5)	2015 (2)	2012	(5)	Global	PM	
Atish Suchak	2017 (0)	2001 (16)	2001	(16)	Global	Senior Analyst	
Multi Asset	- (-/			( - /			
Dr. Patrick Gügi	2007 (10)	1990 (27)	1990	(27)	Asset Allocation	Senior PM	
Reto Baumgartner	2005 (12)	2005 (12)	2005	(12)	Asset Allocation	Senior PM	
Vlad Balas	2010 (7)	2010 (7)	2008	(9)	Asset Allocation	PM	
Dzemo Fazli	2012 (5)	2012 (5)	2012	(5)	Asset Allocation	PM	
Robert Koch	2016 (1)	2007 (10)	2007	(10)	Asset Allocation	PM	
Trend				(==)			
Dr. Olivier Schmid	2012 (5)	2005 (12)	2005	(12)	Trends	Senior PM	
Dr. Patrick Wirth	2015 (2)	2005 (12)	1998	(19)	Trends	Senior PM	
Bilgi Sakarya	1996 (21)	1989 (28)	1987	(30)	Trends	Senior Product Specialist	
Investment Office	1550 (21)	1505 (20)	1307	(30)	Tienus	Semon Product Specialist	
Beat Thoma	2000 (17)	1992 (25)	1985	(32)	Asset Allocation	Senior PM, CIO	
Kurt Fisch	1994 (23)	1984 (33)	1978	(39)	Asset Allocation	Founder	
Marco Müller	2007 (10)	1997 (20)	1993	(24)	Quantitative Analysis	Senior Analyst	
Martin Haycock	2015 (2)	1995 (22)	1995	(22)	Quantitative Analysis  Quantitative Analysis	CB Senior Product Specialist/Analyst	
Credit Research	2013 (2)	1353 (22)	1993	(22)	Qualititative Allalysis	CB Sellior Froduct Specialist/Allalyst	
Daniel Pfister*	2005 (12)	1987 (30)	1987	(30)	Credit Analyst	Senior Analyst, CEO I-CV	
Gabriele Baur*	2013 (4)	1987 (30)	1987	(30)	Credit Analyst	Senior Analyst	
Michael Dawson-Kropf*	2016 (1)	1994 (23)	1994	(23)	Credit Analyst	Senior Analyst	
Christian Fischer*	2016 (1)	2007 (10)	2000	(17)	·	Senior Analyst	
René Hermann*	2007 (10)	2007 (10)	2000	(17)	Credit Analyst Credit Analyst	Senior Analyst Senior Analyst	
Dr. Kurt Hess*	. ,		1991	(26)	,	· · · · · · · · · · · · · · · · · · ·	
	. ,	. ,		. ,	Credit Analyst	Senior Analyst	
Thomas Isler*	2012 (5)	1986 (31) 2004 (13)	1986	(31)	Credit Analyst	Senior Analyst	
Fabian Keller*	2014 (3)		2004	(13)	Credit Analyst	Senior Analyst	
Guido Versondert*	2011 (6)	1995 (22) 1976 (41)	1995 1976	(22)	Credit Appliet	Senior Analyst	
Ernst Zbinden*	2005 (12)	. ,		. ,	Credit Analyst	Senior Analyst	
Colin Ferguson*	2017 (0)	2013 (4)	2013	(4)	Credit Analyst	Analyst	
Ramazan Maliqi*	2017 (0)	2016 (1)	2016	(1)	Credit Analyst	Analyst	
Marc Meili*	2010 (7)	2012 (5)	2010	(7)	Credit Analyst	Analyst	
Robin Schmidli*	2012 (5)	2009 (8)	2009	(8)	Credit Analyst	Analyst	
Average	(7)	(16)		(19)			
Number PM / Average	24 (7) 19 (7)	(13)		(22)			

<sup>\*</sup> Independent Credit View (I-CV)

### The Investment Team for Convertible Bonds



Filip Adamec, Portfolio Manager, CFA (11 years of investment experience) With Fisch Asset Management since 2016

Research responsibility: Focused on Global Credit / Materials, Energy / **Yield Monitor** 

Portfolio responsibility: Deputy Portfolio Manager of mandate portfolios, JSS Bond Global Convertible Fund and FISCH CB Sustainable



Dr. Klaus Göggelmann, Senior Portfolio Manager, CFA (18 years of investment experience)

With Fisch Asset Management since 2007

Research responsibility: Member of Investment Committee, security analysis focused on North America / Financials

Portfolio responsibility: Lead Portfolio Manager of FISCH CB Global Defensive Fund, Lead Portfolio Manager of FISCH Bond Fund CHF and mandate portfolios



**Ute Heyward, Senior Portfolio Manager, CAIA** (11 years of investment experience)

With Fisch Asset Management since 2011

**Research responsibility**: Security analysis focused on North America / Communications, Healthcare

Portfolio responsibility: Lead Portfolio Manager of mandate portfolios, Deputy Portfolio Manager of FISCH CB Global Defensive Fund, FISCH CB Opportunistic Fund and FISCH Bond Fund CHF



**Roland Hotz, Senior Portfolio Manager** (16 years of investment experience)

With Fisch Asset Management since 2001

Research responsibility: Security analysis focused on Europe and others / Consumer Disc. & Staples

Portfolio responsibility: Lead Portfolio Manager of mandate portfolios, Deputy Portfolio Manager of FISCH CB Global Defensive Fund, FISCH CB Sustainable Fund and FISCH CB Opportunistic Fund



Stefan Meyer, Senior Portfolio Manager, CFA, FRM, CMT, CAIA (23 years of investment experience)

With Fisch Asset Management since 2008

Research responsibility: Security analysis focused on Asia / Information Technology

Portfolio responsibility: Lead Portfolio Manager of FISCH CB Sustainable Fund, JSS Bond Global Convertible Fund and mandate portfolios



Florina Schmid, Portfolio Manager
(2 years of investment experience)
With Fisch Asset Management since 2009
Research responsibility: Portfolio responsibility: Deputy Portfolio Manager of mandate portfolios



Leonardo Spangaro, Portfolio Manager
(2 years of investment experience)
With Fisch Asset Management since 2015
Research responsibility: Security analysis focused on Japan / Industrials,
Utilities
Portfolio responsibility: Deputy Portfolio Manager of mandate portfolios



Stephanie Zwick, Head of Convertible Bonds, Senior Portfolio Manager,
CFA (7 years of investment experience)
With Fisch Asset Management since 2010
Research responsibility: Portfolio responsibility: Lead Portfolio Manager of FISCH CB Global Opportunistic Fund and mandate portfolios

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