

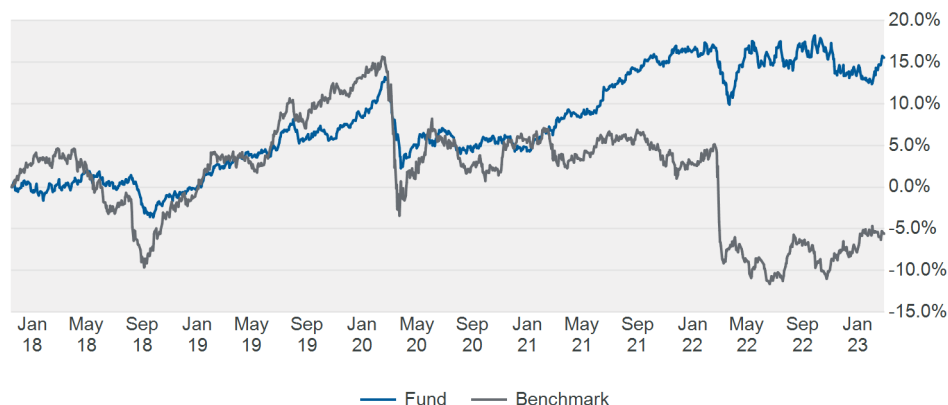
# UI - Aktia EM Frontier Bond+ R

28/02/2023

## Investment Strategy

Over the long-term the sub-fund seeks to achieve the best possible return by investing at least 51% of the net asset value will in Bonds and currency exposure covering risk from the Emerging and Frontier Markets. The investment strategy is a macro-economically and fundamentally driven Approach with a long-term investment horizon (the so called "traffic lights approach"). Investments are identified through a qualitative and quantitative decision-making process in local currency frontier market government bonds and money market instruments. The investment universe includes AAA supranationals and more than 90 EM and Frontier sovereign markets to the extent and as long as the requirements of Article 41 l c) of the Law of 2010 are satisfied. The focus is on absolute return, inflation expectations and real yields. The strategy targets higher risk adjusted total returns with lower FX volatility through diversification and off-benchmark exposures. The Sub-Fund is an Emerging Market Debt. fund that invests globally and mainly in emerging market fixed income and interest-bearing securities issued in emerging markets local currency by emerging markets sovereigns, supranationals and/or multilaterals. Derivative instruments may also be used for investment purposes to take currency risk. Investments in Equities and equity-related securities will not be undertaken.

## Performance



## Performance Ratios

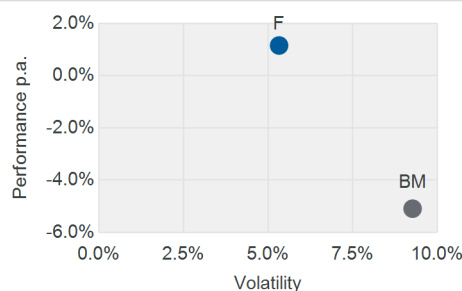
Performance	3.48%
Performance p. a.	1.15%
Volatility	5.32%
Sharpe Ratio	0.26
Maximum Drawdown	8.41%
Maximum Drawdown Duration	0
Recovery Period Duration	14
Calmar Ratio	0.16
VaR (99 % / 10 days)	3.00%

Notes on the impact of fees, commissions and other charges on the performance, please refer to the disclaimer.

Source: own calculations

Performance figures are based on 3 year period.

## Risk-Return-Chart

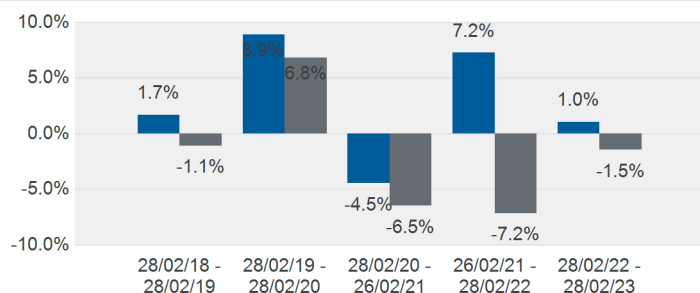


F = Fund, BM = Benchmark / Performance figures are based on 3 year period.

## Monthly Performance (in %)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2018	-0.2%	+1.5%	-0.4%	+1.5%	-0.4%	-1.6%	+0.7%	-2.5%	-1.1%	+2.2%	+0.3%	+0.3%	+0.2%
2019	+1.7%	+1.1%	+0.8%	+0.7%	+0.6%	+0.2%	+2.8%	-1.6%	+1.3%	-1.4%	+1.5%	+0.9%	+8.7%
2020	+1.6%	+1.4%	-7.9%	+1.8%	+0.6%	+1.4%	-2.4%	+0.2%	+1.4%	+0.1%	-0.7%	-0.8%	-3.8%
2021	+1.4%	+0.8%	+2.5%	-0.5%	+0.4%	+2.6%	+0.6%	+1.2%	+1.5%	-0.6%	+1.1%	-0.1%	+11.5%
2022	+0.8%	-2.4%	-2.9%	+5.0%	-1.6%	+0.2%	-0.1%	+1.3%	+0.6%	-0.8%	-1.3%	-0.8%	-2.2%
2023	-0.9%	+2.5%											+1.6%

## Performance Last 5 Years



## Performance (in %)

	1 M	1 Y	3 Y	5 Y	10 Y	Since Incep.	CY	2020	2021	2022
F	2.5%	1.0%	3.5%	14.6%		15.5%	1.6%	-3.8%	11.5%	-2.2%
F p.a.			1.2%	2.8%		2.8%				
BM	0.2%	-1.5%	-14.5%	-9.7%		-5.6%	2.4%	-6.8%	-2.3%	-10.5%
BM p.a.			-5.1%	-2.0%		-1.1%				

F = Fund

## Conditions

Effective Issuing Price Surcharge	0.00%
Effective Redemption Fee	0.00%
Max. Management Fee p.a.	0.30%
Max. Advisory Fee p.a.	1.50%
Max. Custodian's Fee p.a.	0.03%
Ongoing Charges / TER	1.76%
Performance Related Fee	No

## Portfolio structure by asset classes

Bonds	57.74%
Fixed Term- & Time Deposits / Loans	40.65%
Cash	2.03%
Currency Forwards	0.18%
Other Claims / Liabilities	-0.60%
	<b>100.00%</b>

## Currency structure incl. derivatives

EUR	31.61%
UGX	9.03%
KZT	8.85%
UYU	7.84%
UZS	7.68%
KES	7.24%
DOP	5.70%
VND	5.35%
EGP	5.09%
Other	11.61%
	<b>100.00%</b>

Performance Related Fee is shown for last accounting period.

# UI - Aktia EM Frontier Bond+ R

28/02/2023

## Portrait

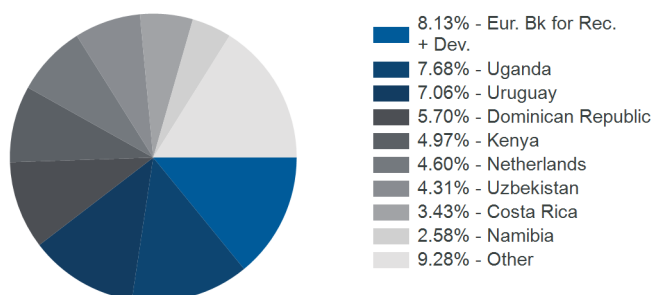
ISIN / WKN	LU1669793744 / A2DWDY
Fund Domicile	Luxembourg
Legal Form	UCITS/OGAW
Fund category (BVI)	Fixed income funds, Emerging Markets
Benchmark Index	see Benchmark History
Incep. Date Fund / Share Class	16/11/2017 / 16/11/2017
Currency Fund / Share Class	EUR / EUR
Morningstar Rating	★★★★★
Scope Rating	(B)

Morningstar: 31/01/2023 / Scope: 31/01/2023

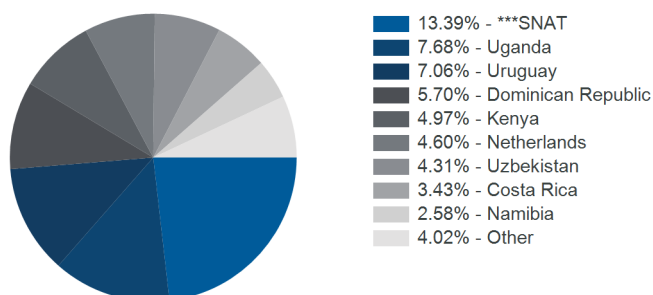
## P & L and Tax Data

Fund Volume / Share Class	860,550,259.48 EUR / 22,148,330.87 EUR
Net Asset Value	97.62 EUR
Issue / Redemption Price	97.62 EUR / 97.62 EUR
Aggr. Dividend-Equivalent Earnings	0.71 EUR
End of Financial Year	30/09/2023
Utilization of Income	distributing

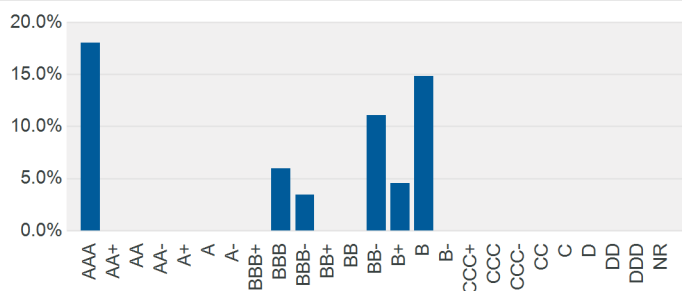
## Fixed Income by Country



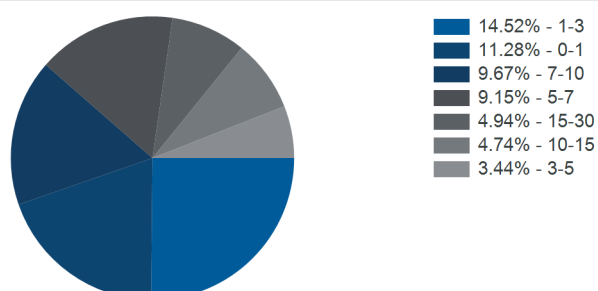
## Fixed Income by Country Specific Risks



## Credit Rating Profile



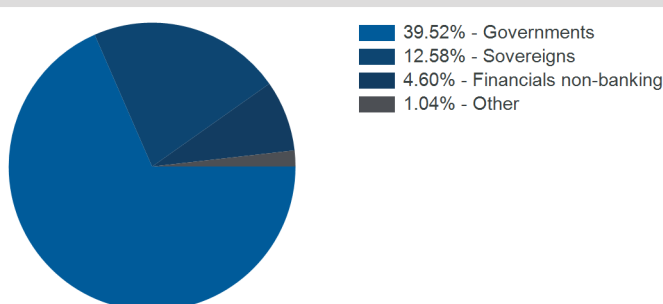
## Fixed Income Maturity Profile



## Ratios based on Fund Assets

Coupon	5.50%
Yield	6.45%
Duration Weighted Yield	6.86
Earnings Yield	5.11%
Maturity Date (due date)	3.27
Macauley Duration (due date)	2.09
Modified Duration	1.97%
Effective Duration	2.08%
Fixed Income Rating	BBB

## Fixed Income Sectors



## Fixed Income - Top 10

Uruguay, Republik PU/DL-Infl.lkd Bds 2020(38-40)	3.43%
Uruguay, Republik PU/DL-Infl.lkd Bds 2011(26-28)	3.12%
Uganda, Republik UG-Bonds 2016(31)	2.98%
Usbekistan, Republik SU/DL M.-T. Nts 2020(23)Reg.S	2.30%
Uganda, Republik UG-Bonds 2015(29)	2.12%
Usbekistan, Republik SU/DL M.-T. Nts 2021(24)Reg.S	2.02%
Uganda, Republik UG-Bonds 2019(34)	1.85%
Kasachstan, Republik KT-Bonds 2015(25)	1.80%
Costa Rica, Republik CO/DL-Glbl.Dep.Nts 14(29)Reg.S	1.71%
Kenia, Republik KS-Treasury Bonds 18(28-33.38)	1.51%
	<b>22.83%</b>

# UI - Aktia EM Frontier Bond+ R



28/02/2023

## Fund Partner

Aktia Bank Plc  
Arkadiankatu 4-6  
00101 Helsinki  
Finland

## About the Fund Partner

## Investment Management Company

Universal-Investment-Luxembourg S.A.  
15, rue de Flaxweiler  
6776 Grevenmacher  
Luxembourg  
Phone: +352 2615 021  
Telefax: +352 2615 0270  
<http://www.universal-investment.com>

## Custodian / Depository

State Street Bank International GmbH, Luxembourg  
49, Avenue J.F. Kennedy  
1855 Luxembourg  
Luxembourg

## Disclaimer

Morningstar Rating:

©2019: Morningstar Inc. All rights reserved.

All information contained herein: (1) is copyright protected for Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not guaranteed to be accurate, complete or up-to-date. Morningstar and / or its content providers assume no responsibility for any losses or damages resulting from the use of such information. Past performance is not indicative of future results.

Scope Fund Rating

All rights reserved. All indications without engagement. Scope does not assume any liability for the prospective performance of rated funds. Scope does not assume any liability for damage resulting from decisions taken based on any rating it produces. Fund ratings provided by Scope are neither recommendations to purchase or sell financial instruments that are the object of the fund rating, nor do they contain any judgement of the value or quality of such financial instruments. Scope cannot give any guarantee that the information contained in ratings is correct, although it is derived from sources that Scope deems to be reliable, nor can it assume any liability for the correctness, completeness, timeliness or accuracy of the information. The content of fund ratings and contained information is protected by copyright and otherwise by law. Any unauthorised use such as reproduction or dissemination is strictly forbidden. © 2019 Scope Analysis GmbH

The on-going costs are based on the previous financial year, or, in the case of new funds, an estimation.

The performance-related fee is based on the previous financial year.

The key Fund indicators are established based on daily data. For funds with historic data of less than one year, no key indicators are provided. A risk-free interest rate of the Citigroup Euro 3 M TR (EUR) p.a. is used to establish the key indicators.

Past performance is not a reliable indicator of future performance.

The performance calculation is based on the BVI method (not including issuing surcharges). As an example, for an investment amount of EUR 1,000.00 over an investment period of five years with a 5 percent issuing surcharge, an issuing surcharge of EUR 50.00 and additional individual securities account fees would be deducted from the investment result in the first year. In subsequent years, additional securities account fees would also be deducted from the investment result when applicable.

The performance is based on the BVI method. The BVI method is a time-weighted return method calculating the performance based on NAVs under the assumption of distributions reinvested.

The BVI fund category is based on the precise categorisation methods employed by the German Investment Funds Association (BVI).

The top 10 individual positions do not take derivatives into account.

The cash positions contain bank accounts, fixed-term deposits, time deposits, dividend claims as well as other claims and liabilities.

All calculations for the asset class "fixed income" are based on the entire fund's assets.

All calculations for the asset class "Investment units" are based on the entire fund's assets.

All calculations for the asset class "equities" are based on the entire fund's assets.

Earnings equalisation was taken into account when determining the EU interim profit.

Information on stock profits for investors according to §3 No. 40 of the German Income Tax Act (GITA)

Information on stock profits for investors according to German Corporate Tax Act (GCTA).

This information is for marketing and information purposes only and does not constitute an offer to buy or sell Fund units. The sales documents (key information document, sales prospectus, annual and semi-annual reports) constitute the sole basis for the purchase of units. Sales documents for all Universal-Investment investment funds can be obtained free of charge from your advisor/broker, the relevant custodian/depositary, or from Universal-Investment at [www.universal-investment.com](http://www.universal-investment.com). A summary of your investor rights in English can be found at Investor-rights (<https://www.universal-investment.com/en/Corporate/Compliance/investor-rights/>) (<https://www.universal-investment.com/en/Corporate/Compliance/investor-rights-UII/>). In addition, we would like to point out that Universal-Investment may, in the case of funds for which it has made arrangements as management company for the distribution of fund units in other EU member states, decide to cancel these arrangements in accordance with Article 93a of Directive 2009/65/EC and Article 32a of Directive 2011/61/EU, i.e. in particular by making a blanket offer to repurchase or redeem all corresponding units held by investors in the relevant member state.

All data provided is subject to inspection by the auditors at each reporting date. To our knowledge, the information provided is based on current legal and tax provisions. Universal-Investment provides no guarantee for the information provided herein. We reserve the right to amend this information.

# UI - Aktia EM Frontier Bond+ R

28/02/2023

Risk notice: The Fund is subject to increased volatility as a result of its composition/the techniques used by Fund management; therefore, unit prices may increase or decrease significantly within short periods of time.

Ratios:

**Yield:** Yield is defined as the annualized effective yield on a bond up to its called maturity. For bonds with embedded options such as calls or puts, the yield to worst is used and thus the scenario selected with the lowest expected return. For ABS and MBS, with the historical prepayments taken into account, the expected maturity date is defined and used for calculation purposes.

**Yield (Duration Weighted):** The duration-weighted portfolio yield is calculated by additionally weighting the yield of every position with its own duration. Thus, bonds obtained with a longer duration are contributing to the portfolio yield with a greater weight than bonds close to maturity which are contributing to the yield only for their short remaining life.

**Macaulay Duration:** Macaulay duration describes the average period of capital commitment taking into account all payments of a bond up to its called maturity. Macaulay duration can also be interpreted as the weighted average present value of every point in time to which the investor will receive payments from a security.

**Modified Duration:** Modified duration is the sensitivity measure of a bond's price to a marginal change in interest rates. It shows the percentage change in price for a change in yield of 1 percent. The greater the change in the bond yield actually is the less accurate, however, is the predicted change in the bond price. To calculate the change in price more precisely, the convexity of the price function has to be considered as well.

**Effective Duration:** Effective duration also considers the influence of security-specific features on interest rate sensitivity of the bond price. Thus call- or put options embedded in bonds, depending on the structure of the yield curve, often have a shortening

**Performance Ratios and Risk-Adjusted Performance Ratios** are calculated on a three-year basis. For funds with a history of one to three years the calculations are based on their inception dates.

**Volatility:** Volatility can be described as a kind of "fluctuation risk" of a fund, for instance. The mathematical basis is the standard deviation of the performance figures within the given period; annualized, this figure is called volatility. 5% volatility at an average performance of 7% p. a. means that, with 68.27% probability, the next annual performance is expected between 2% (= 7% - 5%) and 12% (= 7% + 5%).

**Sharpe-Ratio:** The Sharpe ratio is the difference between performance p. a. and risk-free interest rate (Citigroup Euro 3 M TR (EUR)) p. a., divided by the volatility: So it can be considered a "risk premium per unit of the total risk taken". Basically, the higher it is, the better it is (high performance at low risk). Due to its conception as a relative ratio, you can compare the sharp ratio of different portfolios both among themselves and with the one of the benchmark.

**Tracking Error:** The tracking error is a measure of the "active risk" of a fund. It is calculated as the annualized standard deviation of the performance differences between the fund and its benchmark. Therefore, it can be described as a measure of the deviation risk in between.

**Information Ratio:** Mathematically, the information ratio is the outperformance (fund vs. benchmark) divided by the tracking error (active risk). In principle, the higher this figure is, the better it is. An information ratio of 0.25 e. g. means that the portfolio manager transformed one quarter of the active risk into outperformance.

**Beta:** The beta factor of an investment is a measure of the common development of its performance compared to the benchmark. It provides information about the linear relationship (see correlation) between these two series. The beta itself does not state if this relationship exists at all, as it depends on a high correlation (close to 1). In a rising market, a beta > 1 is advantageous, in a falling market, a beta < 1 is.

**Correlation:** Correlation, measuring how linear the performance figures of fund and benchmark relate to each other, can be between -1 and +1. High (negative) correlation means that it is relatively far away from "0": In this case, a more or less significant linear relationship exists, while "0" would mean that there is no linear relationship at all.

**Treynor-Ratio:** The Treynor-Ratio is a measure of the returns earned in excess of that which could have been earned on an investment that has no diversifiable risk (e.g. a completely diversified portfolio).

**Jensen's Alpha:** Jensen's Alpha is used to determine the excess return of a portfolio of securities over the theoretical expected return calculated on the CAPM (Capital Asset Pricing Model).

**Maximum Drawdown:** The maximum drawdown represents the maximum cumulative loss that an investor could have suffered over a given period of time.

**Calmar Ratio:** The Calmar ratio is related to the Sharpe ratio, but instead of standard deviation it uses the maximum drawdown over the selected period to quantify investor risk.

**Value at Risk (VaR):** VaR (ex post) is a measure that indicates the maximum fund losses with a given probability for a given period of time. The calculations are based on the standard deviation of portfolio returns.