

TUNDRA SUSTAINABLE FRONTIER FUND

MONTHLY UPDATE
DECEMBER 2022



THE FUND ADDED FURTHER ALPHA IN THE LAST MONTH OF THE YEAR

In USD the fund rose 0.3% (EUR: -2.6%) during December, compared to the fund's benchmark index MSCI FMxGCC Net TR (USD) which fell 1.7% (EUR: -4.5%), and MSCI EM Net TR (USD) which fell 1.4% (EUR: -4.2%). In terms of absolute contributions in USD, it was mainly Egypt (8% of the portfolio) that contributed positively during the month. Our sub-portfolio rose by 13%, which gave an absolute contribution of 1% to the portfolio. In terms of absolute negative contributions, it was mainly Pakistan (19% of the portfolio), where the sub-portfolio fell during the month by 6%, which translated into an absolute negative contribution of 1.2%. Our Indonesian sub-portfolio fell 2% during the month, which contributed negatively by 0.2% to the total return. Measured relative to the index, the fund was helped during the month mainly by good stock selection in Vietnam. Our sub-portfolio (roughly 24% of the fund's assets vs. 30% for the benchmark) rose 3%, compared to the index which fell 5%. This gave a relative contribution to the index of 2.1% during the month. Relative to the index, it was primarily Pakistan (-1.2% relative portfolio contribution) and Indonesia (-0.2%) that contributed negatively.

Among individual holdings, in USD, our two Egyptian holdings, Juhayna Foods (+47%, +0.6% portfolio contribution) and GB Auto (+15%, +0.5% portfolio contribution) were the main contributors. Juhayna's performance can probably stem from the fact that there have been some strategic buyers in the share since a couple of months ago which from time to time leads to short-term sharp movements. In the case of GB Auto, we note that one of the largest brokerage firms published a new analysis in which the significant undervaluation of GB Capital (a financial services arm), which we have previously discussed, was spotlighted.

On the laggards' list, two of our Pakistani holdings, Systems (-4%, -0.4% portfolio contribution) and Meezan Bank (-10%, -0.4% portfolio contribution), were weighed down by negative sentiment given the great uncertainty Pakistan is currently in. Our Indonesian holding Media Nusantara (-6%, -0.3% portfolio contribution) also performed negatively, mainly due to weak general stock market performance in Indonesia.



Cityscape of Cairo City. Source: Canva

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2022 – WORST POSSIBLE CONDITIONS BUT GOOD STOCK SELECTION ALLEVIATED THE DECLINE

For the year as a whole, in USD, the fund fell 22.1% (EUR: -17.4%), which can be compared with the fund's benchmark index, which fell 30.2% (EUR: -26.0%), and the MSCI EM Net TR (USD) which fell 19.5% (EUR: -14.6%). 2022 was the fund's worst year since its inception, but it could have been significantly worse. The fund's thematic focus on primarily low-income and lower-middle-class countries, where the majority of raw materials are imported, has meant difficult conditions in the wake of the war between Russia and Ukraine. Most of the fund's markets have had a very tough year. In USD Sri Lanka (-65%) and Vietnam (-43%) performed particularly negatively. Good stock selection, however, eased the decline. In Vietnam in particular, we did well in 2022. Our choice to focus on non-cyclical holdings and avoid the banking and real estate sectors proved to be the right choice. Our sub-portfolio fell marginally during the year (-3%) compared to the market which fell 43%. Our five holdings all performed better than the market. Our second largest Vietnamese holding, renewable energy producer REE Corp, managed to return 16% in USD during the year. Our Vietnamese sub-portfolio overall added 13% relative performance vs. our benchmark which mitigated declines in Sri Lanka (-2.7% contribution relative to the index, our sub-portfolio fell 51%), Pakistan (-3.3% contribution, our sub-portfolio fell 24%) and Egypt (-2.2% contribution, our sub-portfolio fell 33%).



Ho Chi Minh City. Source: Canva

2022 was supposed to be a year of recovery when historically extremely low valuations would have the conditions to normalize. Russia's aggression in Ukraine changed the scenario completely. Raw material prices skyrocketed, which affected several of our countries negatively. During the year, Pakistan devalued its currency by 22% against the US dollar, Egypt by 37%, and Sri Lanka by as much as 45%. Averaged across the fund's 7 largest markets, this was the worst year for currency markets in over 30 years, worse than the 1997-98 Asian crisis and even worse than the 2008 global financial crisis.

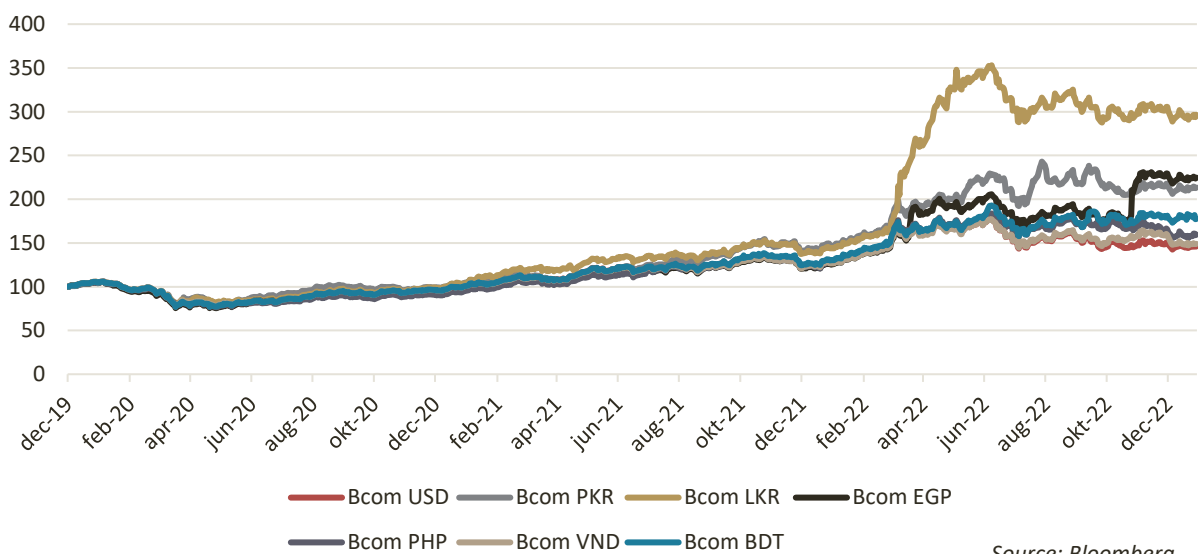
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2023 – STILL GREAT UNCERTAINTY BUT WELL DISCOUNTED BY THE MARKET

We enter 2023 with significant remaining uncertainty. Figure 1 below shows the Bloomberg Commodity Index converted to exchange rates in the fund's most important markets since the end of 2019. Calculated in USD, commodity prices have risen by around 50% during the period, which partly explains the higher global inflation during the period. As can be seen in the graph, however, weakened currencies have meant that the price effect has been significantly higher in several of the fund's more important markets. E.g., in Sri Lanka, commodity prices have increased by nearly 200% during the period, and in Pakistan by 120%, etc.

FIGURE 1: BLOOMBERG COMMODITY INDEX IN USD AND LOCAL CURRENCIES



This in turn means that our countries have been particularly hard-pressed, both concerning inflation trends and from a trade balance perspective. As you know, inflation is normally expressed as price trends on an annual basis. If commodity prices do not continue upward, this means that the price effect from commodities in USD will be neutral to negative from March 2023. Given the weaker currencies in our markets, the effect is slightly delayed. In the Philippines and Vietnam, the timing occurs in April, in Pakistan and Sri Lanka it occurs in May. In Egypt, which relatively recently carried out another major devaluation, relief will only come in December 2023. Even if commodity prices remain at current levels, it will take a few more months before this is visible in the inflation statistics. Although one can sense the light at the end of the tunnel, several of our countries, especially Pakistan, Egypt, and Bangladesh, are in a very stressful situation where the probability is high that we will see some additional one-off adjustments in the exchange rates. The first half of 2023 will continue to be tough, even if it will be difficult to repeat the shocking development in 2022.

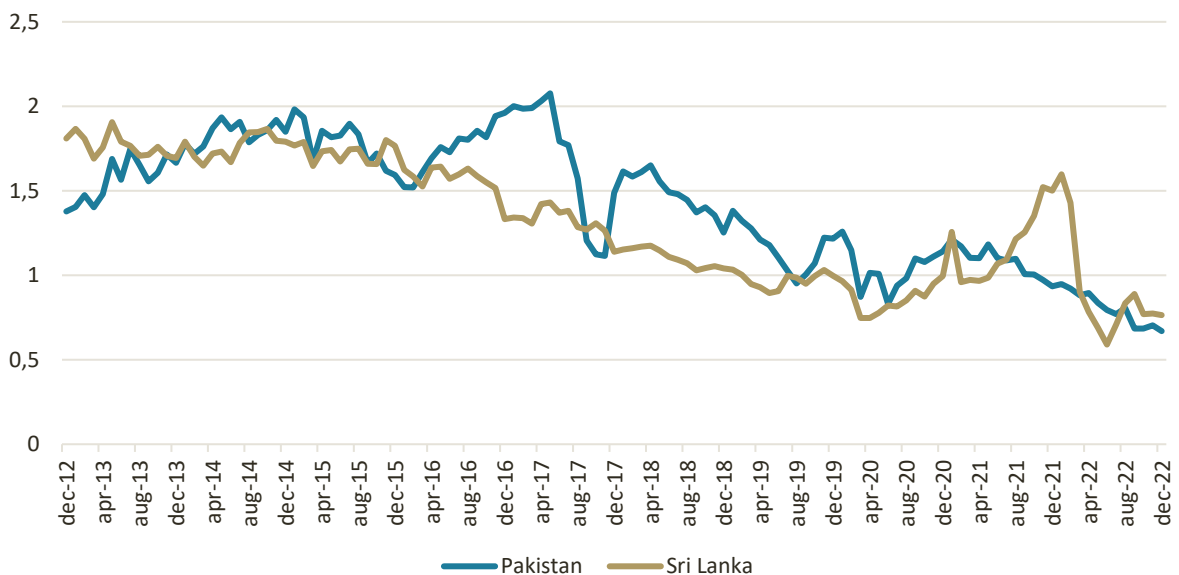
Of our more significant markets, Pakistan, uncertainty is currently at its pinnacle. The current coalition, which is a mixture of parties with ideologically very different backgrounds, has been an unfortunate solution.

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The coalition already lacked the support of a majority of the population when they came to power in the spring of 2022 and the situation now appears to have become unsustainable. In desperate attempts to win back confidence ahead of the planned elections in the fall of 2023, rational economic policy has had to stand aside, temporarily halting disbursements from the IMF. There are, therefore, concerns that Pakistan's opportunities to extend the multi- and bilateral loans that the country's foreign debt primarily consists of will not be possible. Some form of restructuring of Pakistan's debts now seems inevitable. As we said earlier, Pakistan's situation is significantly different from Sri Lanka's. Most of the country's external debt consists of bilateral and multilateral loans with countries with which Pakistan has strong and long-standing friendships (China and the Gulf countries). Restructuring can thus be relatively undramatic if the political deadlock is broken. Whether measuring equity valuation or P/E ratios, Pakistan is at levels investors have not seen in decades, and even below Sri Lankan levels.

FIGURE 2: PAKISTAN (KSE100) AND SRI LANKA (CSEALL) P/BV VALUATIONS



Just before publication of this monthly letter news broke that Pakistan potentially have secured slightly more than USD 9 billion in support for the flooding disaster earlier this year. If it materializes it could help the country bridge the current very difficult situation and would mean desperately needed alleviation for its people. But for investors to be able to look ahead, however, a prerequisite is that the current political deadlock is broken. We, therefore, hope we will see a decision regarding the political continuation early in 2023.

If we sum up our thoughts, we note that even in a more positive scenario, it will take a couple of months into the year before the news flow in our markets improves, and 2023 will be a year when most countries at best lick their wounds. As always when it comes to the stock market, however, it is not about how good or bad the conditions are, but how well investors price them. How overconfident, or fearful, they are.

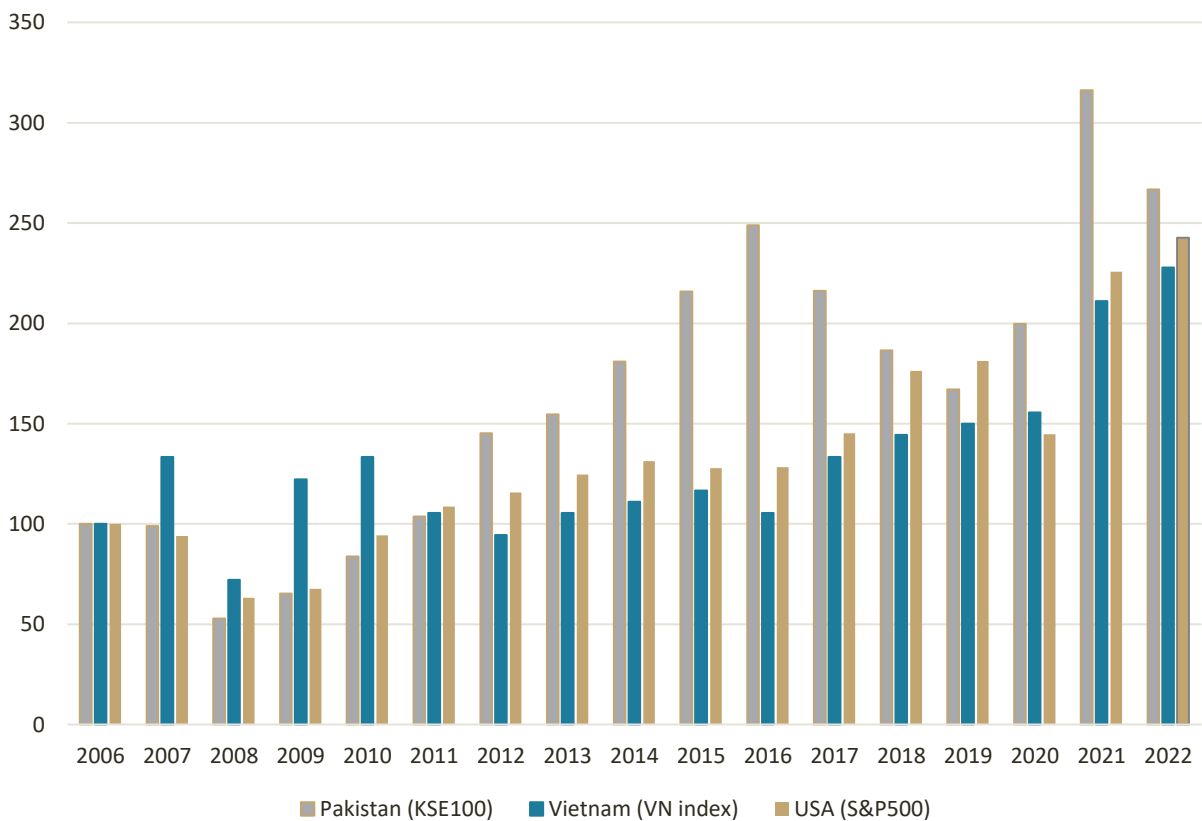
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For a fund manager who deals with several of the trickiest markets in the world and who has also worked against decent headwinds for a couple of years, it is reasonable to question where our optimism comes from.

The answer lies in the actual profit development over time, despite constant crisis headlines. If we take the fund's two largest markets, Vietnam and Pakistan (together 43% of the fund's assets), as an example, we note that the profit performance (in USD) of both stock markets over the past 16 years (as far back as statistics are available via Bloomberg) delivered in line with the USA, a country that you can probably say had at least ten years with fairly ideal conditions (zero interest rate climate with the possibility to leverage to a completely different extent than is possible in less developed stock markets).

FIGURE 3: PROFIT DEVELOPMENT (USD) 2006-2022 IN PAKISTAN, VIETNAM, AND THE USA



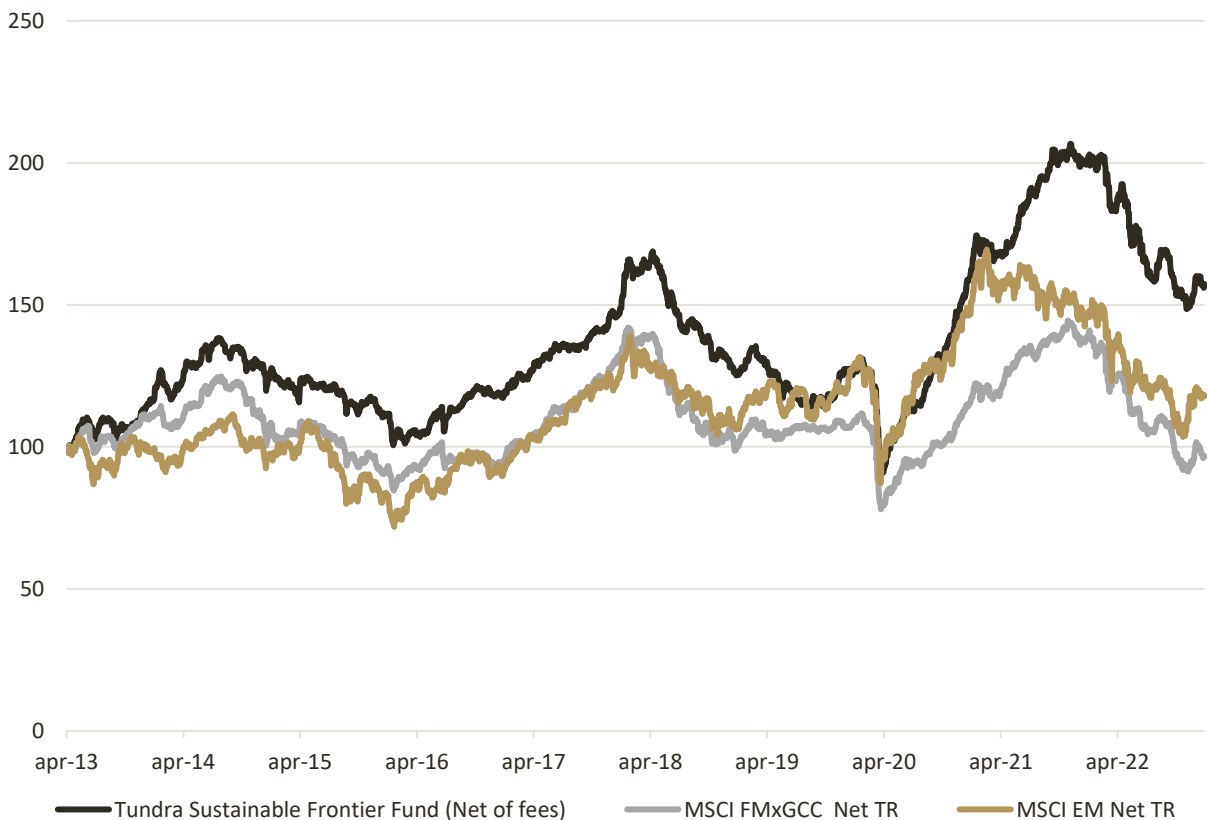
During the same period (2006-12-29 – 2022-12-30 in USD), the stock market in Pakistan has risen 8%, Vietnam 109%, and the USA 274%. One can of course invoke several explanations, e.g. the outflow of capital from our markets to more developed ones given the historic zero interest rate climate in the West, political uncertainty, economic uncertainty, currency depreciations, etc., etc. An indisputable fact is, however, that stock markets over longer periods will reflect the underlying earnings trend.

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Our readers are aware by now that our absolute strength is to select good companies, regardless of which markets we invest in. Since the fund's launch, this has meant that the fund has given an excess return of 61% against its benchmark and a 38% higher return than the broader emerging markets index. We cannot influence how the market chooses to value the profits our companies generate. We will continue to invest in what we believe are the best companies, guided by our investment philosophy, where fundamentals and sustainability are prerequisites. We believe great companies not only serve their shareholders but also benefit their markets and the people who live there to continue to develop

FIGURE 4: THE FUND RELATIVE TO MSCI FMXGCC NET TR (USD) AND MSCI EM NET TR (USD)



TUNDRA SUSTAINABLE FRONTIER FUND REPLACES THE SWAN WITH THE EU'S REGULATIONS FOR SUSTAINABILITY

In connection with the new EU regulation under the Sustainable Finance Disclosure Regulation (SFDR), new requirements are applied to funds' sustainability work as of March 2021. Tundra has therefore decided on July 4 not to continue with the Nordic Ecolabelling of the fund. According to the new regulations, sustainability reporting must take place in a uniform manner and funds are divided into different categories. The Tundra Sustainable Frontier Fund is classified as an Article 8 fund (Light green: promotes environmental or social characteristics). The investment philosophy of the fund remains the same; management of the fund and is not affected by the change.

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ABOUT THE FUND

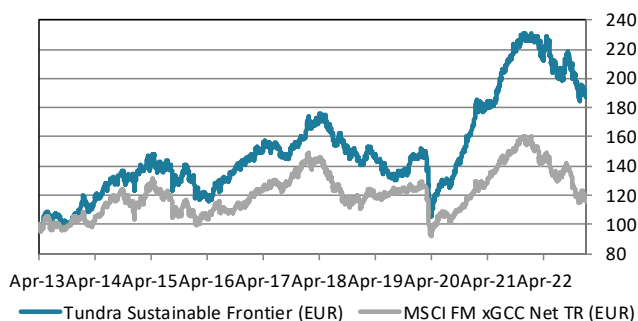
Tundra Sustainable Frontier Fund focuses on the next generation of emerging markets such as Vietnam, Bangladesh, Sri Lanka, Pakistan, Egypt and Nigeria. Featuring strong population growth, rapid urbanisation, investments in infrastructure, growing middle classes and stabilising political environments, a vast majority of international investors are yet to discover these markets.

The fund is managed according to Tundra's active stock picking philosophy and backed by local research offices in Asia. Investments are based on an ESG approach where each investment has to comply with the UN Global Compact with regards to human rights, labour rights, corporate governance and environmental impacts. The fund is registered in Sweden and is fully UCITS compliant. Read more about latest developments [here](#).

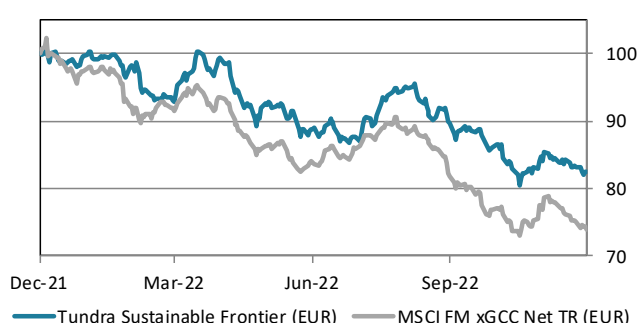
Return*	NAV (EUR)	1 month	YTD	1 year	3 year	Inception
Tundra Sustainable Frontier (EUR)	22.70	-2.6%	-17.4%	-17.4%	30.0%	88.8%
Benchmark	561.49	-4.5%	-26.0%	-26.0%	-7.1%	15.9%

* Fund returns calculated on SEK class converted to EUR in order to provide the longest possible data set.

The fund vs benchmark (since inception)



The fund vs benchmark (YTD)



Fund monthly performance

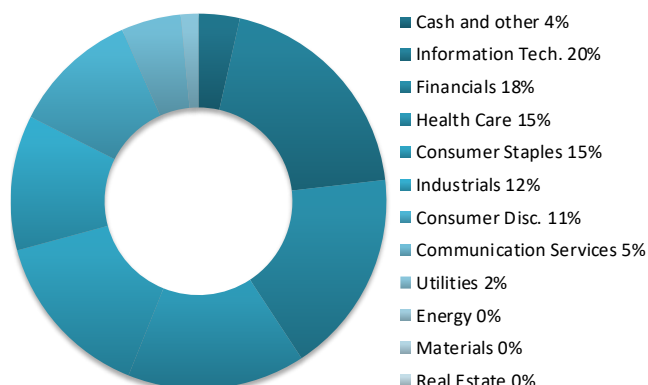
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2013				0.3%	7.9%	-6.5%	4.6%	-4.6%	-0.7%	1.7%	4.0%	4.1%	8.7%
2014	4.6%	-4.5%	4.0%	4.0%	5.6%	0.6%	3.4%	-0.9%	4.5%	-2.6%	-0.2%	0.6%	22.3%
2015	4.3%	0.5%	1.3%	0.6%	-0.3%	-2.5%	-0.5%	-4.1%	-3.0%	5.6%	1.6%	-4.7%	-1.7%
2016	-5.1%	-2.8%	-2.8%	0.9%	7.1%	0.3%	2.4%	4.3%	1.4%	1.1%	2.6%	0.9%	10.1%
2017	0.2%	3.9%	2.2%	0.4%	-0.7%	0.2%	-3.6%	-0.2%	3.6%	1.9%	2.2%	0.4%	10.7%
2018	6.0%	0.6%	1.2%	1.3%	-4.9%	-2.3%	-2.6%	-0.4%	-1.8%	-1.9%	-2.4%	-4.6%	-11.6%
2019	3.2%	2.4%	-0.7%	-2.5%	-3.1%	-4.7%	1.1%	0.8%	0.9%	-0.6%	9.3%	-2.2%	3.2%
2020	1.6%	-6.1%	-22.9%	13.8%	4.0%	2.3%	-2.2%	7.4%	5.7%	4.6%	7.6%	5.0%	16.8%
2021	5.2%	0.7%	2.6%	-1.8%	5.5%	6.9%	2.2%	2.5%	3.9%	1.4%	1.4%	0.1%	34.7%
2022	-0.1%	-1.8%	-4.1%	5.4%	-6.7%	-4.1%	-1.2%	8.4%	-5.6%	-3.4%	-2.1%	-2.6%	-17.4%

Source: Bloomberg, MSCI, Tundra Fonder

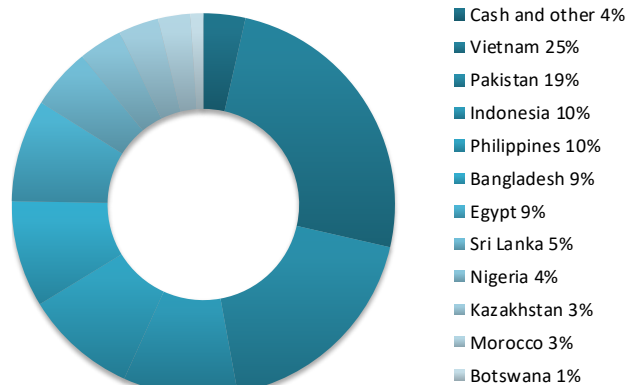
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Sector allocation



Country allocation



Largest holdings	Portfolio weight	Country	P/E 23E	P/E 24E	Yield	Return 1M (EUR)
Systems Ltd	8.8%	Pakistan	13.7	10.8	1.6%	-8.0%
FPT Corp	8.2%	Vietnam	13.4	11.0	2.7%	3.6%
Square Phar Ltd-Ord	7.6%	Bangladesh	9.3	8.2	4.8%	-4.8%
Ree	7.1%	Vietnam	10.6	9.4	1.6%	-2.9%
Media Nusantara	5.2%	Indonesia	3.7	3.3	3.9%	-9.3%
Century Pacific Food	4.6%	Philippines	16.4	14.4	1.7%	1.1%
Medikaloka Hermina TBK	4.5%	Indonesia	38.9	32.7	0.5%	-1.0%
Airports Corp Of Vietnam	4.3%	Vietnam	24.5	23.0	0.6%	0.6%
GB Auto	3.8%	Egypt	4.2	4.0	5.6%	10.6%
Puregold Price Club	3.7%	Philippines	10.7	9.7	1.6%	-2.9%

Best performers in December	Return (EUR)	Worst performers in December	Return (EUR)
Juhayna Food Ind	42.1%	Abbott Laboratories (Pak) Ltd	-18.6%
GB Auto	10.6%	AGP Limited	-14.6%
Guaranty Trust Holding	6.9%	Meezan Bank Ltd	-13.5%
Beximco Pharmaceutical GDR	6.4%	Asiri Hospitals	-11.4%
Cargills (Ceylon) Plc	4.4%	National Bank of Pakistan	-10.4%

Facts		Risks and costs*	
Inception date	2013-04-02	Active risk (Tracking error)	9.8%
Pricing	Daily	Active share	89.3%
Manager	Tundra Fonder AB	Standard deviation	13.6%
Benchmark index	MSCI FM xGCC Net TR (EUR)	Standard deviation, benchmark	13.2%
ISIN	SE0006789897	Beta	0.75
Bloomberg	TUNDFRF SS	Information ratio	0.78
IBAN	SE4450000000058648209218	Holdings	38
BIC	ESSESESS	Risk level	5 of 7 (refer to KIID for more info)
Custodian	SEB	Management fee/year (all inclusive **)	2.5%
Auditor	PWC	AuM	176.8 MEUR
EU SFDR Classification	Article 8		

* Risk indicators are based on monthly rolling 24 months of return data.

** The management fee includes variable custody fees, audit, legal and marketing expenses.

Source: Bloomberg, MSCI, Tundra Fonder

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