

Fund Update

PIE FUNDS MANAGEMENT SCHEME: PIE GROWTH UK & EUROPE FUND

Fund update for the quarter ended: 31.12.22

This fund update was first made publicly available on 07.02.23

What is the purpose of this update?

This document tells you how the Pie Growth UK & Europe Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Pie Funds Management Limited (**Pie Funds**) prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

Description of this fund

The Pie Growth UK & Europe Fund seeks to provide investors with long term capital growth by investing predominantly in a concentrated portfolio of hand-picked listed UK and European Smaller Companies, where Pie Funds considers value is greatest and the opportunity of earnings growth is high. The Pie Growth UK & Europe Fund may also invest in other types of financial products such as cash and unlisted equities.

Total value of fund as at 31.12.22	\$118,656,399
The date the fund started	01.11.16

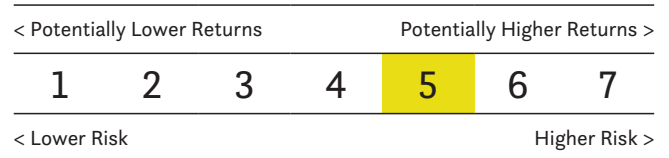
How has the fund performed?

	Average over past 5 years	Past Year
Annual return (after deductions for charges and tax)	4.71%	-22.61%
Annual return (after deductions for charges but before tax)	5.69%	-21.03%
Market Index annual return (reflects no deduction for charges and tax)	2.00%	-21.39%

The MSCI Europe Small Cap Net Return Index (NZD) is the market index for the fund. Additional information about the market index is available on the offer register.

What are the risks of investing?

Risk indicator for the Pie Growth UK & Europe Fund¹



The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

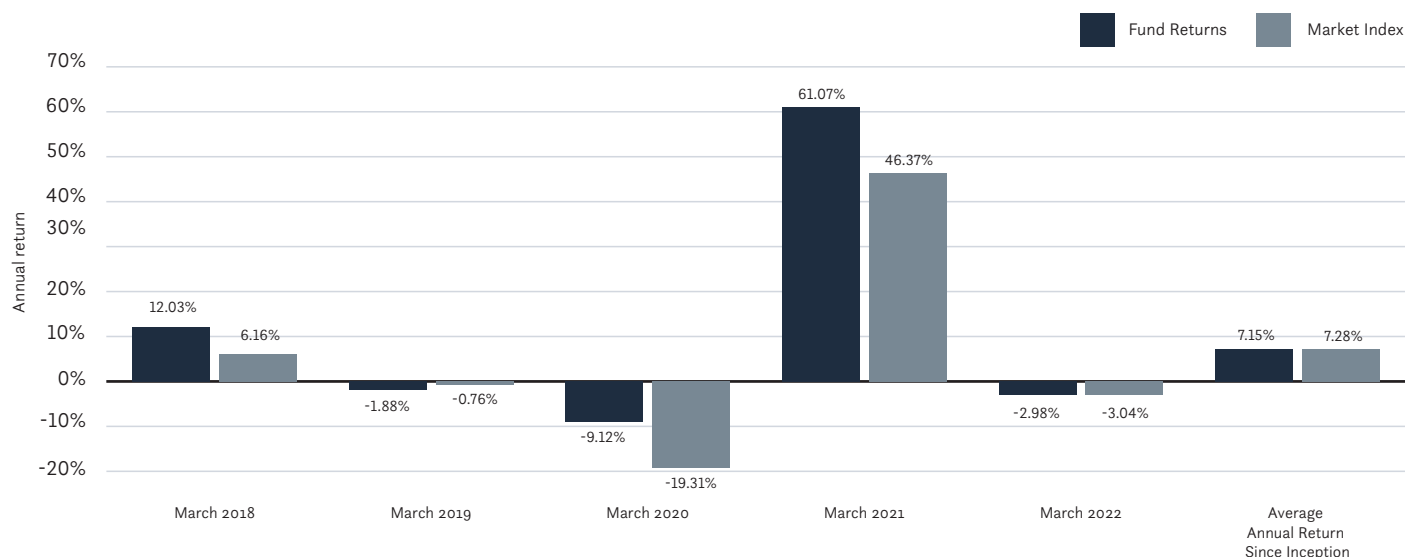
To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at www.sorted.org.nz/tools/investor-kickstarter.

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for the last five years. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

See the product disclosure statement (**PDS**) for more information about the risks associated with investing in this fund.

Annual return graph



This shows the return after fund charges and tax for each year ending 31 March since the fund started. The last bar shows the average annual return since the fund started, up to 31 December 2022. Important: This does not tell you how the fund will perform in the future.

† Returns in this update are after tax at the highest prescribed investor rate (**PIR**) of tax for an individual New Zealand resident. Your tax may be lower.

What fees are investors charged?

Investors in Pie Growth UK & Europe Fund are charged fund charges. In the year to 31 March 2022, these were:

	% of net asset value
Total fund charges	1.86%
Which are made up of:	
Total management and administration charges	1.86%
Including	
Manager's basic fee	1.85%
Other management and administration charges (estimate) ²	0.01%
Total performance-based fees	0.00%
Other charges	\$ amount per investor
Other charges	\$0.00

Fees are exclusive of GST, if any.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds, although these are not currently charged by Pie Funds).

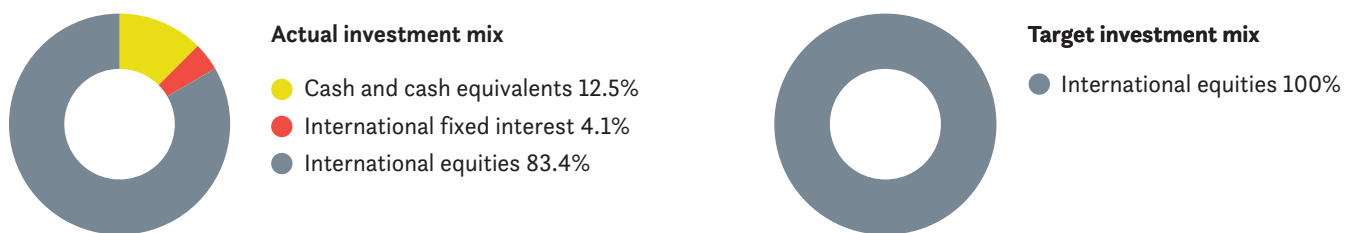
Example of how this applies to an investor

Small differences in fees and charges can have a big impact on your investment over the long term.

Lucy had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Lucy incurred a loss after fund charges were deducted of \$2,103 (that is -21.03% of her initial \$10,000). Lucy did not pay any other charges. This gives Lucy a total loss after tax of \$2,261 for the year.

What does the fund invest in?

This shows the types of assets that the fund invests in.³



Hedging: We actively manage all currency exposure. It is not our intention to 100% hedge the currency at all times; some overseas securities may be unhedged. The hedged foreign currency exposure (as a percentage of total foreign currency exposure of the fund) is 58.20% (unhedged 41.80%).

Top 10 investments

	Name	% of fund net assets	Type	Country	Credit rating (if applicable)
1	Nexus AG	5.32%	International Equities	DE	
2	Sdiptech AB (publ)	5.20%	International Equities	SE	
3	Discoverie Group PLC	5.03%	International Equities	GB	
4	Frp Advisory Group PLC	4.46%	International Equities	GB	
5	Bufab AB (publ)	4.34%	International Equities	SE	
6	Bytes Technology Group PLC	4.25%	International Equities	GB	
7	BNZ Call Account - NZD	3.88%	Cash and cash equivalents	NZ	AA-
8	SES IMAGOTAG ORD	3.82%	International Equities	FR	
9	Encavis AG	3.68%	International Equities	DE	
10	Grenergy Renovables SA	3.62%	International Equities	ES	

The total value of the top 10 individual assets of the fund make up 43.60% of the net asset value of the fund.

Key personnel

Name	Current position	Time in current position	Previous or other current position	Time in previous or other current position
Michael Taylor	Executive Director and Chief Investment Officer	0 years and 9 months	Executive Director and Chief Executive Officer, Pie Funds	15 years and 5 months
Guy Thornehill	Head of Global Research	4 years and 5 months	Portfolio Manager at Ruffer LLP	9 years and 0 months
Toby Woods	Senior Investment Analyst	3 years and 4 months	Head of Equity Sales at Hauck & Aufhäuser	9 years and 5 months

Further information

You can also obtain this information, the PDS for the Pie Growth UK & Europe Fund, and some additional information from the offer register at www.disclose-register.companiesoffice.govt.nz.

Notes

- During times of extreme market volatility, the risk may be greater than indicated, particularly for this fund as it invests in smaller companies; smaller companies can be more volatile when markets sell down. Past performance may not be a reliable indicator for the risk of the fund.
- If Pie is unable to determine the non-related underlying fund charges, these have been estimated using the actual costs for the most recently available period for each underlying fund as a percentage of the average net asset value of the investment in the underlying fund.
- For further information on each of the asset classes refer to the PDS and SIPO.