

Mackenzie Maximum Diversification All World Developed ex North America Index ETF

Global Equity

Compound Annualized Returns 01/31/2023

1 Month	3.7%
3 Months	17.0%
Year-to-date	3.7%
1 Year	1.0%
2 Years	-3.3%
3 Years	0.8%
5 Years	0.8%
Since inception (Sep. 2016)	2.9%

Regional Allocation 12/31/2022

CASH & EQUIVALENTS

Cash & Equivalents	0.4%
--------------------	------

OVERALL

Japan	27.6%
United Kingdom	11.3%
Hong Kong	10.7%
France	6.8%
Australia	5.4%
Switzerland	5.1%
Denmark	4.5%
United States	3.9%
Spain	3.8%
Other**	20.5%

Total 100%

Sector Allocation 12/31/2022

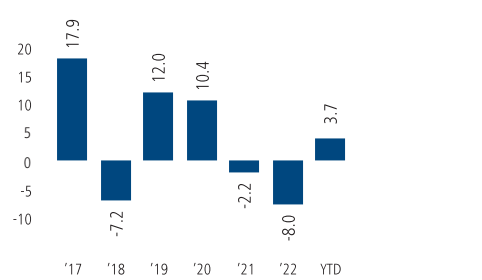
Health Care	22.7%
Financials	18.6%
Consumer Staples	14.3%
Industrials	9.6%
Communication Services	8.6%
Real Estate	6.9%
Consumer Discretionary	6.6%
Materials	5.0%
Information Technology	3.7%
Utilities	3.0%
Energy	0.6%
Cash & Equivalents	0.4%

Total 100%

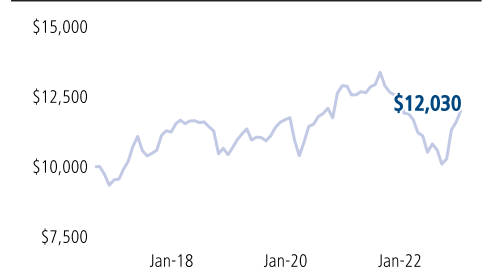
Index Provider

Mackenzie Maximum Diversification Index ETFs are based on TOBAM Maximum Diversification Index Series created by TOBAM S.A.S. The TOBAM Maximum Diversification Index Series are based on constituents in the Solactive AG Index. TOBAM is a Paris-based index provider and institutional asset manager with AUM of US\$8B.

Calendar Year Returns (%) 01/31/2023



Value of \$10,000 invested 01/31/2023



Major Holdings 01/31/2023

Major Holdings Represent 12.3% of the fund

NOVO NORDISK A/S-B	1.5%
TEVA PHARMACEUTICAL IND L	1.4%
NESTLE SA-REG	1.3%
ROCHE HOLDING AG-GENUSSCH	1.3%
NOVARTIS AG-REG	1.3%
AstraZeneca PLC	1.2%
NEXON CO LTD.	1.2%
Sands China Ltd	1.0%
Link REIT	1.0%
EISAI CO	1.0%

TOTAL NUMBER OF HOLDINGS: 690

Fund Risk Measures

Annual Std Dev	12.6
Annual Std Dev. B'mark	12.6
Alpha	-0.8
Beta	1.0
R-squared	1.0
Sharpe Ratio	-0.1

Source: Mackenzie Investments

Key Fund Data 12/31/2022

Ticker:	MXU
Total Fund Assets:	\$49.86 million
NAVPS (01/31/2023):	\$21.68
CUSIP:	55454L108
Listing Date:	09/07/2016
Index:	TOBAM Maximum Diversification All World Developed ex North America Index
Fund Category:	Global Equity
Distribution Frequency:	Quarterly
DRIP Eligibility:	Yes
Management Fee:	0.50%
Distribution Yield:	2.71%
Price/Earnings:	13.19
Price/Book:	1.44

Why Invest in this fund?

- Seeks to increase diversification to reduce biases and enhance risk-adjusted returns.
- Enhances diversification in international markets to reduce sector concentration and maintain exposure to all sources of potential future return.
- Mackenzie Investments offers TOBAM's proven, award-winning diversification methodology to all Canadian retail investors.

Risk Tolerance

LOW	MEDIUM	HIGH
-----	--------	------



* The TOBAM Maximum Diversification All World Developed ex North America is designed to measure the performance of large and mid capitalization equity securities of developed markets, excluding the U.S. and Canada, selected and weighted to enhance diversification. On February 28, 2019, this ETF began to track a version of this index which is calculated net of withholding taxes. Index inception date: February 28, 2019.

** Other includes currency contracts.