

Listed Learnings Webinar Series

Are Active ETFs about to BOOM?

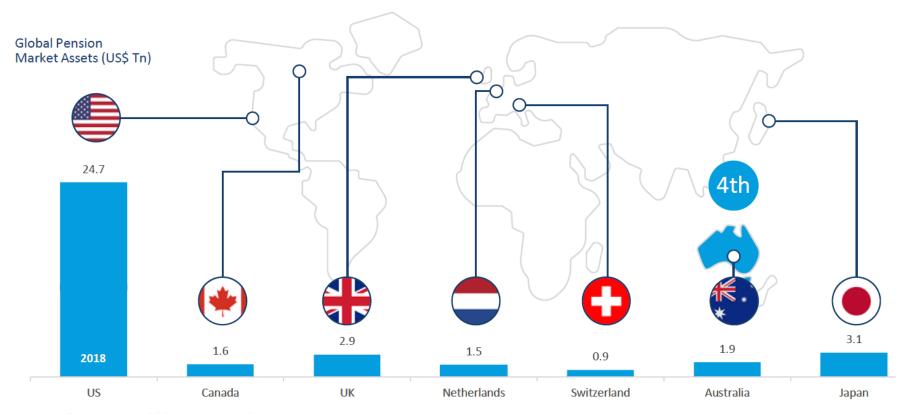
Andres Rincon, CMT Director, ETF Strategy TD Securities Chris Meyer Director, Listed Funds Pinnacle





Three of the Top 5 savings markets globally

Australia is home to one of the world's largest pools of capital

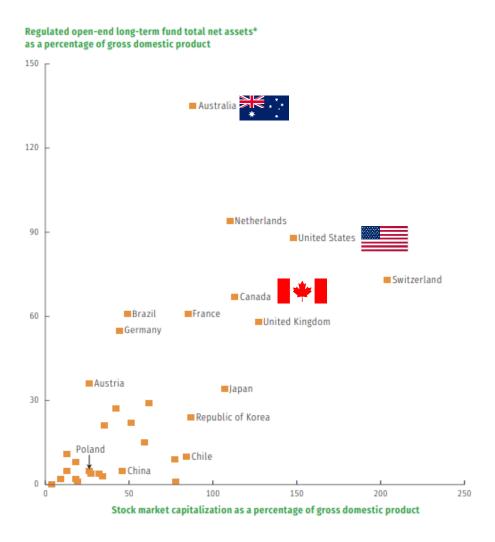


Source: Willis Towers Watson Global Pension Assets Study 2019.

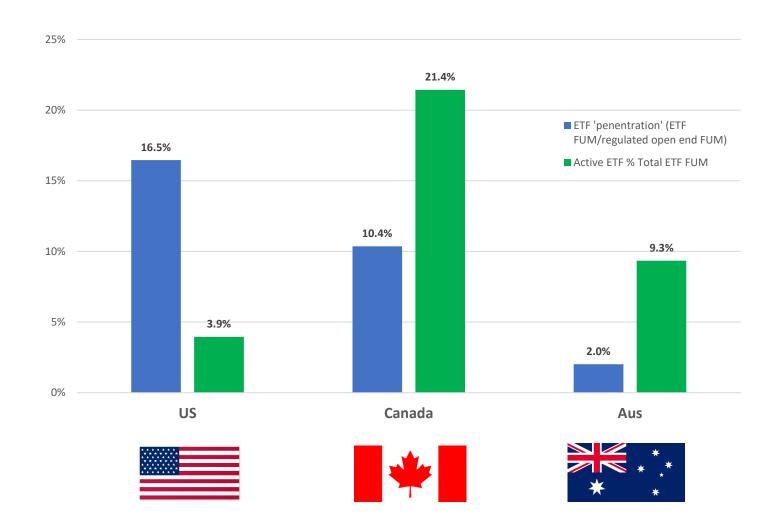
Source: ASX

[^]Deloitte Australian Superannuation Sector. USD/AUD exchange rate as at 31 December 2018.

Countries with more developed equity markets tend to have more developed fund industries



Different stages of ETF evolution

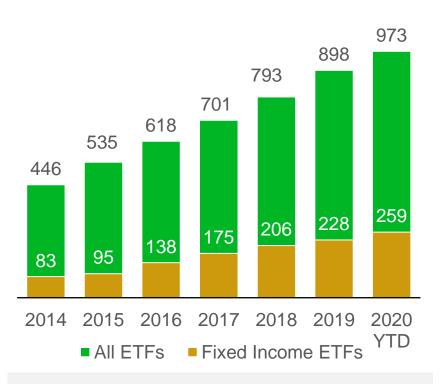


Canadian ETF Industry Growth



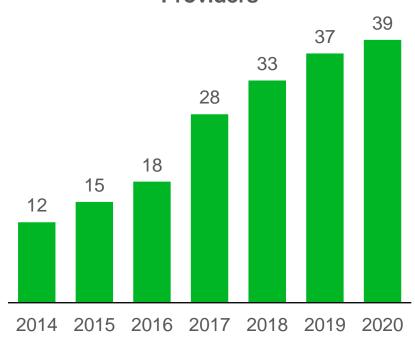


Number of Canadian ETFs



14.5% 5 Year # ETFs CAGR

Number of Canadian ETF Providers

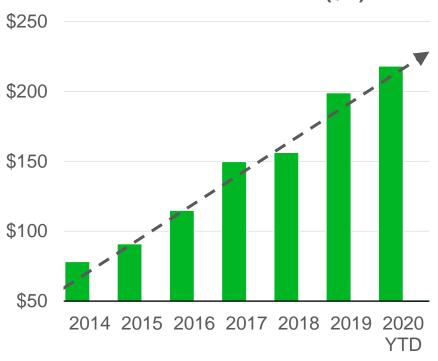


Multiple Consolidations Since 2017

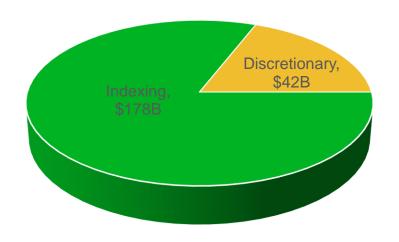
Canadian ETFs – Role of Active Manager



Total Canadian ETF AUM (\$B)



Canadian AUM (\$B) by Strategy



Canadian ETF AUM Currently At \$218B

Actively Managed ETFs are ~20% of the Overall Canadian ETF Industry

Disclosure Rules in Canada



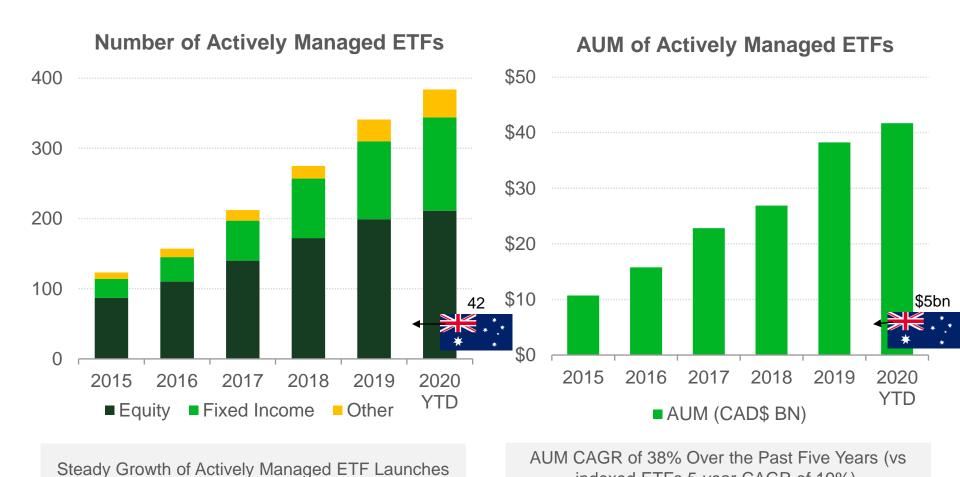
- Local Regulators Clarify Disclosure Rules Late 2016
 - Allows for non-disclosure to investors and/or APs.
- 30% of Canadian Listed ETFs are Non-transparent
- Varying Degrees of Disclosure:
 - Fully Transparent: Provides daily disclosure to all APs and public.
 - Partial Disclosure: Provides daily disclosure to all APs, and quarterly disclosure to the public.
 - Selective Disclosure: Only provides daily disclosure to the DB, and quarterly disclosure to the public and other willing APs.
 - Fully Non-transparent: No daily disclosure to APs or investors. Only quarterly.

Source: TD Securities 7

Evolution of Actively Managed ETFs



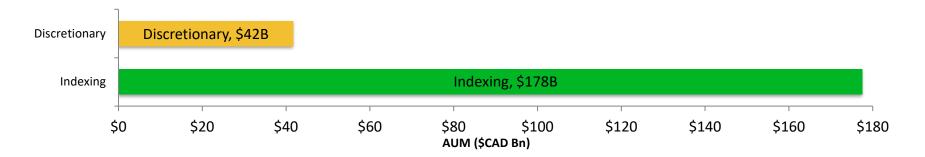




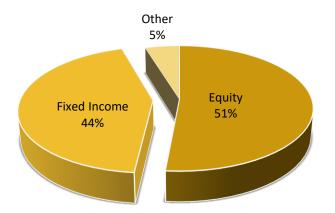
indexed ETFs 5-year CAGR of 19%).

Active ETFs – Asset Class Breakdown

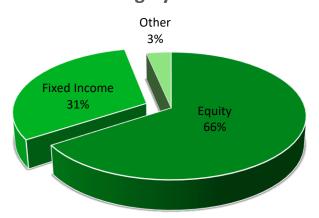




Discretionary by Asset Class



Indexing by Asset Class



Fixed Income ETFs Make up 33% of Total ETF Assets. Account for 44% of Actively Managed AUM

Active ETFs – Where is the Growth?



Active Fixed Income

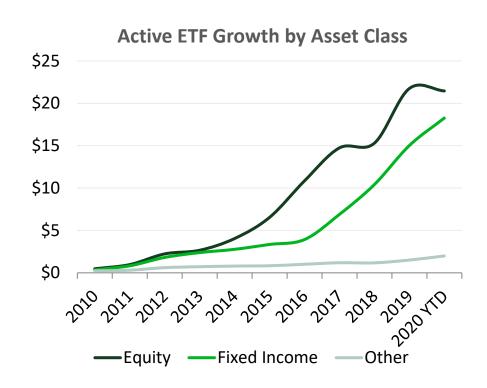
- Global Fixed Income
- Preferred Shares

Active Equity

Fundamental Funds

Other:

- Asset Allocation ETFs
- Liquid Alternative ETFs
- Real Asset/Infrastructure ETFs



Actively-managed Fixed Income ETFs Have Driven Much of the Growth. Mixed for Equities

Source: TD Securities

Active ETFs – The Canuck Experience



Who is Buying?

- Advisors the main buyers
- Direct Investing catching on. Longer awareness curve.
- Institutional buying more selective. Addressing gaps in expertise.

Fees

- Active ETFs are the only ETF subset seeing a rise in average fees.
- New funds generally priced lower to mutual fund equivalent.
- ETF classes of an exiting fund generally priced in line with mutual fund.

Trading Environment

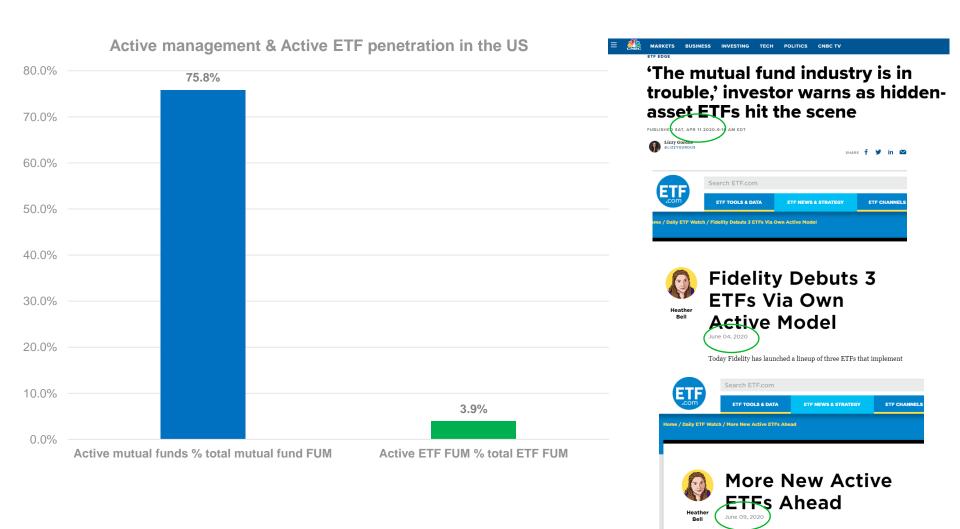
 Spreads and liquidity vary greatly depending on disclosure to AP, asset class, and AP support. Find indicative example ETF spread below based on AP disclosure level:

Level of Disclosure to AP	Full Basket	Proxy Basket	Portfolio Characteristics	NAV History Only
Indicative Spread (bps)	10	12	15	20

Source: TD Securities

US active ETFs about to BOOM?





BlackRock has filed with the Securities and Exchange Commission



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Audience Q&A

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