

# What's New and What's Next for the ETF Market Globally.



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## What's New and What's Next for the ETF Market GloballFs

# Current ETF landscape

2021 was a record

2022 was 2<sup>nd</sup> best year

2023 is looking good

Watch regulatory changes

#### Product trends

Fixed income

Active - regulatory changes, mutual fund, SMA conversions to ETFs

**ESG** 

Crypto

#### Distribution trends

Retail, advisors

Digital platforms, Model portfolios

Institutions

New markets - Europe, Latin America, Asia Pacific, Middle East, Africa

The future - regulations, product and distribution innovations will drive growth

# Current ETF landscape

ETFs - Exchange Traded Funds - regulated funds with additional benefits of being listed and traded on exchanges, in-kind creation/redemption

Funds with added benefits - a wrapper - not an asset class

**ETPs** - Exchange Traded Products - products that are not ETFs typically have different, tax, regulatory and counterparty treatment

33rd anniversary of the listing of the first ETF "TIPs" in Canada March 9, 2023

30<sup>th</sup> anniversary for US the S&P 500 SPDR or SPY January 22, 2023 SPY is still the largest ETF S&P 500 is the most popular ETF benchmark with \$1.13 trillion

23<sup>rd</sup> anniversary for LDRS Stoxx and Euro Stoxx ETFs April 11, 2023

# Current ETF landscape

2021 was a record year:

Net new assets \$1.3 trillion, year-end AUM \$10.3 trillion, 1,830 new listings

2022 was 2nd best year:

Net new assets \$759 billion, year-end AUM \$9.2 trillion, 1,609 new listings

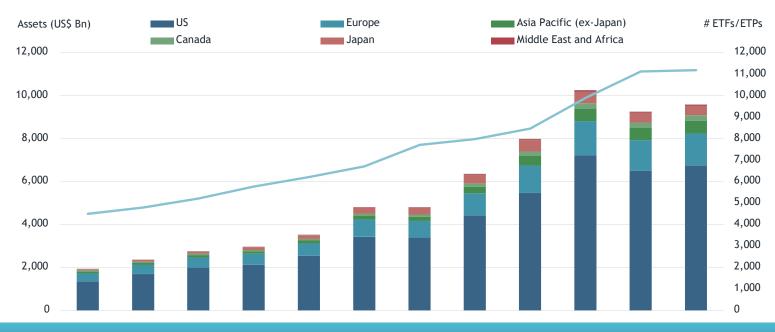
Global mutual funds had net outflows of \$1.3 trillion

Fnd Feb 2023:

45<sup>th</sup> months of positive inflows, Net new assets \$80 billion, AUM 9.60 trillion 10-year CAGR 16.9%, 9 new issuers, 165 new products

# Global ETFs industry asset growth by region

Global ETFs industry had 11,194 products, with 23,041 listings, assets of \$9.596 trillion, from 672 providers listed on 81 exchanges in 63 countries at end of February

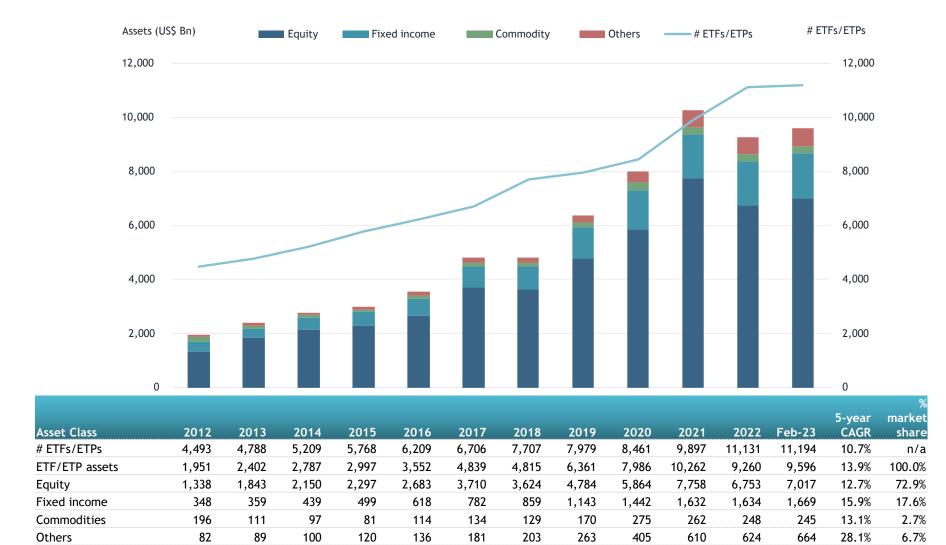


Region Listed	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Feb-23	5-year CAGR	market share
# ETFs/ETPs	4,493	4,788	5,209	5,768	6,209	6,706	7,707	7,979	8,461	9,897	11,131	11,194	10.7%	n/a
ETF/ETP assets	1,951	2,402	2,787	2,997	3,552	4,839	4,815	6,361	7,986	10,262	9,260	9,596	13.9%	100.0%
US	1,347	1,697	2,000	2,128	2,548	3,422	3,390	4,421	5,467	7,210	6,507	6,755	13.7%	70.3%
Europe	369	417	458	504	572	801	768	1,031	1,283	1,599	1,419	1,484	12.1%	15.3%
Asia Pacific (ex-Japan)	89	95	118	117	129	170	196	301	440	567	579	588	27.8%	6.3%
Canada	57	59	66	65	85	117	115	157	202	273	250	261	16.4%	2.7%
Japan	49	77	90	136	173	276	308	400	535	541	454	457	10.5%	4.9%
Middle East and Africa	10	13	14	12	13	15	29	36	45	54	35	35	-5.3%	0.4%
Latin America	12	11	10	5	5	7	8	14	14	19	17	17	20.1%	0.2%

Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated in-house.



# Global ETF and ETP asset growth by asset class as at end of February 2023



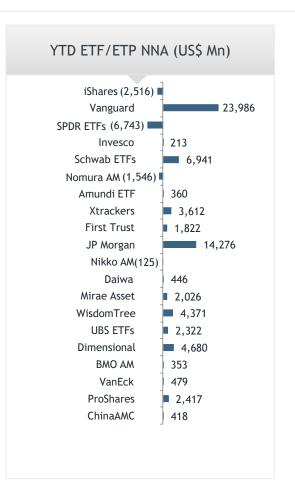
Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated in-house. Note: 'Others' includes ETFs/ETPs providing exposure to active, alternative, currency, inverse, leveraged, leveraged inverse and mixed asset classes.



#### Top ETFs providers by assets: Global

iShares is the largest provider with US\$3.035 Tn, 31.6% market share; Vanguard is second with \$2.127 Tn and 22.2% market share, followed by SPDR ETFs with \$1.065 trillion and 11.1% market share. The top 3 providers, out of 672, account for 64.9% of Global assets.

	# ETFs/	Assets (US\$ Mn)	% market	ADV (US\$ Mn)	NNA (US\$ Mn)	NNA (US\$ Mn)	NNA (US\$ Mn)	NNA (US\$ Mn)
Provider	ETPs	Feb-23	share	Feb-23	Feb-23	YTD 2023	YTD 2022	2022
iShares	1,046	3,035,070	31.6%	34,830	(11,570)	(2,516)	22,405	218,980
Vanguard	181	2,126,913	22.2%	8,617	10,954	23,986	61,464	216,814
SPDR ETFs	268	1,064,870	11.1%	48,399	(11,560)	(6,743)	(2,789)	29,988
Invesco	436	416,841	4.3%	17,841	1,712	213	3,591	29,869
Schwab ETFs	29	274,882	2.9%	1,117	1,676	6,941	7,833	35,534
Nomura AM	89	200,396	2.1%	670	(681)	(1,546)	2,506	2,493
Amundi ETF	396	188,965	2.0%	345	(370)	360	7,706	6,378
Xtrackers	286	166,841	1.7%	560	1,391	3,612	2,389	(5,496)
First Trust	248	140,049	1.5%	1,093	742	1,822	2,485	9,227
JP Morgan	84	114,340	1.2%	900	6,080	14,276	4,673	29,705
Nikko AM	41	91,691	1.0%	23	(168)	(125)	147	(471)
Daiwa	31	88,085	0.9%	35	(374)	446	(185)	(747)
Mirae Asset	508	87,755	0.9%	1,068	641	2,026	4,464	16,551
WisdomTree	340	87,578	0.9%	549	2,825	4,371	1,484	12,552
UBS ETFs	134	87,206	0.9%	122	1,135	2,322	1,681	1,745
Dimensional	30	80,633	0.8%	233	2,052	4,680	2,701	26,572
BMO AM	137	66,537	0.7%	382	708	353	874	6,335
VanEck	141	65,870	0.7%	2,173	(90)	479	3,497	3,901
ProShares	137	61,254	0.6%	13,939	852	2,417	5,087	14,659
ChinaAMC	89	44,321	0.5%	2,044	(406)	418	1,630	13,118

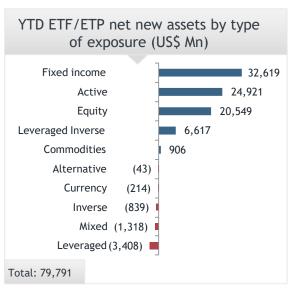


Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated inhouse. Note: This report is based on the most recent data available at the time of publication. Asset and flow data may change slightly as additional data becomes available.



### ETFs/ETPs by asset class: Global





Exposure	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23	% market share	ADV (US\$ Mn) Feb-23	NNA (US\$ Mn) Feb-23	NNA (US\$ Mn) YTD 2023	NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022
Equity	5,776	7,017,080	73.1%	105,458	(1,474)	20,549	135,252	479,462
Fixed income	1,431	1,668,791	17.4%	23,950	5,765	32,619	5,783	236,553
Commodities	545	244,868	2.6%	2,596	601	906	8,506	(16,411)
Active	1,931	522,308	5.4%	7,169	14,300	24,921	22,306	123,636
Alternative	16	3,246	0.0%	96	(93)	(43)	(79)	(36)
Currency	196	10,255	0.1%	183	(277)	(214)	244	1,281
Mixed	110	19,923	0.2%	72	15	(1,318)	160	1,116
Leveraged	604	68,227	0.7%	11,776	802	(3,408)	8,960	26,061
Inverse	234	13,703	0.1%	1,370	(68)	(839)	1,551	2,779
Leveraged Inverse	351	27,970	0.3%	9,967	385	6,617	(232)	1,696
Total	11,194	9,596,372	100.0%	162,636	19,956	79,791	182,453	856,139

Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated inhouse. Note: This report is based on the most recent data available at the time of publication. Asset and flow data may change slightly as additional data becomes available. Israel ETP assets and flows are included in the total figures but are not reflected in the asset class breakdown.



#### **Product Trends**

# Product innovation is happening in Fixed Income, Active, ESG, Thematic and Crypto

	Market Cap (Equity)							
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23			NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022		
Global	4,932	5,582,750	(3,641)	12,477	108,773	366,197		
US	892	3,853,611	(8,220)	(1,672)	48,417	208,121		
Europe	1,467	885,774	8,781	18,455	27,534	47,792		
Canada Asia Pacific	237	110,981	497	114	5,426	7,916		
(ex-Japan)	1,675	387,221	(5,061)	(4,161)	23,640	93,491		
Japan	171	309,330	(198)	183	2,622	6,522		

170)	102	2,022	0,522
*excludes	actively	managed	products

	Themat	Thematic								
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23		NNA (US\$ Mn) YTD 2023	NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022				
Global	1,388	235,225	1,541	1,935	8,593	28,780				
US	396	112,224	(232)	(706)	638	575				
Europe	294	56,337	758	1,439	1,013	6,758				
Canada Asia Pacific	96	3,435	(36)	(45)	60	316				
(ex-Japan)	499	58,135	1,179	1,403	6,737	20,072				
Japan	22	1,056	(8)	(17)	9	(7)				

	Fixe	d Income				
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23	NNA (US\$ Mn) Feb-23	NNA (US\$ Mn) YTD 2023	NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022
Global	1,431	1,668,791	5,765	32,619	5,783	236,553
US	323	1,178,507	831	19,326	(1,585)	183,132
Europe	479	337,276	602	9,540	3,651	34,135
Canada Asia Pacific (ex-Japan)	131 282	46,708 93,802	1,104 3,099	688 2,942	(464)	5,909 14,684
Japan	27	3,403	204	100	518	(937)

"excludes actively managed, leverage/inverse derivative products

	ESG					
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23		NNA (US\$ Mn) YTD 2023	NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022
Global	1,322	420,135	7,633	13,217	18,272	74,754
US	298	108,004	1,850	1,076	2,443	4,714
Europe	594	270,803	4,636	11,059	12,113	56,138
Canada Asia Pacific	119	8,039	294	429	516	2,378
(ex-Japan)	235	28,365	936	778	3,022	10,739
Japan	30	2,297	(42)	(169)	116	659

Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated inhouse. Note: This report is based on the most recent data available at the time of publication. Asset and flow data may change slightly as additional data becomes available. Israel ETP assets and flows are included in the total figures but are not reflected in the asset class breakdown.

## **Product Trends**

	Actively	Actively Managed								
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23	NNA (US\$ Mn) Feb-23	NNA (US\$ Mn) YTD 2023	NNA (US\$ Mn) YTD 2022	NNA (US\$ Mn) 2022				
Global	1,931	522,308	14,300	24,921	22,306	123,636				
US	1,058	379,609	10,765	19,366	17,455	99,003				
Europe	87	22,873	110	840	874	2,753				
Canada Asia Pacific (ex-Japan)	478 277	70,138 49,472	1,973 1,445	2,818 1,890	2,316 1,780	15,406 4,331				
Japan				•						

	Crypto	Crypto							
	# ETFs/ ETPs	Assets (US\$ Mn) Feb-23	NNA (US\$ Mn) Feb-23	NNA (US\$ Mn) YTD 2023		NNA (US\$ Mn) 2022			
Global	159	8,154	(60)	156	140	703			
US	7	964	(8)	75	21	325			
Europe	109	4,681	6	120	(128)	65			
Canada Asia Pacific (ex-Japan)	19 :	1,792 77	(38)	28	128	(74) 82			
Japan				(27)					

Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated in-house. Note: This report is based on the most recent data available at the time of publication. Asset and flow data may change slightly as additional data becomes available. Israel ETP assets and flows are included in the total figures but are not reflected in the asset class breakdown.

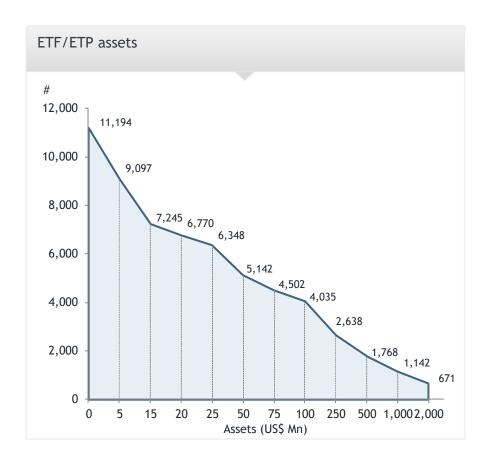


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# ETFs/ETPs by size

The 671 products have assets of \$2 Bn or more. They account for \$7.770 trillion, or 81.0%, of global assets.

4,035 or 36% of all ETFs have assets of \$100 Mn or more. They account for 98% of all global assets. 64% of products account for 2% of assets



Assets greater than (US\$ Mn)	# ETFs/ ETPs	% total	Total assets (US\$ Bn)	% total
0	11,194	100.0%	9,596	100.0%
5	9,097	81.3%	9,577	99.8%
15	7,245	64.7%	9,560	99.6%
20	6,770	60.5%	9,552	99.5%
25	6,348	56.7%	9,542	99.4%
50	5,142	45.9%	9,499	99.0%
75	4,502	40.2%	9,460	98.6%
100	4,035	36.0%	9,419	98.2%
250	2,638	23.6%	9,193	95.8%
500	1,768	15.8%	8,882	92.6%
1,000	1,142	10.2%	8,436	87.9%
2,000	671	6.0%	7,770	81.0%

Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated in-house.



### Total expense ratios: Global

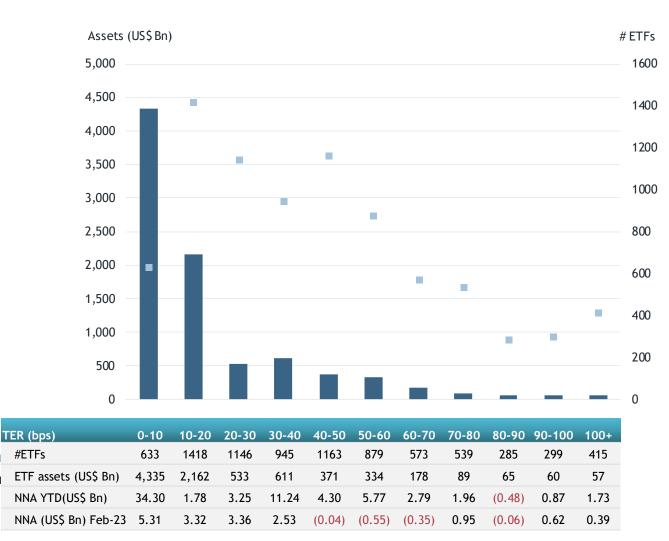
Just 633 or 5.6% of the 11,194 products have an annual expense ratio of 10bps or less but account 45% of global assets.

68% of the \$9.6 Tn AUM and 45% of the \$79.9 Bn of YTD NNA has gone into 2,051 or18% of the products with an annual expense rate of 20 bps or less

#### Average TER (bps)

Asset class	ETFs E	TFs/ETPs
Equity	18	18
Fixed Income	15	15
Commodities	42	37
Currency	85	132
Alternative	86	85
Mixed	52	53
Active	44	44
Inverse	83	83
Leveraged	96	96
Leveraged Inverse	93	92
All	20	20

#ETFs



Note: #ETFs and assets refers only to 'primary listings' and may not sum to the full totals where fees are unavailable. Management fees may be used where the TER is unavailable. Source: ETFGI data sourced from ETF/ETP sponsors, exchanges, regulatory filings, Thomson Reuters/Lipper, Bloomberg, publicly available sources and data generated in-house.



#### Distribution - Growth in Institutional use of ETFs / ETPs

#### Historical reported ETF/ETP holdings: global

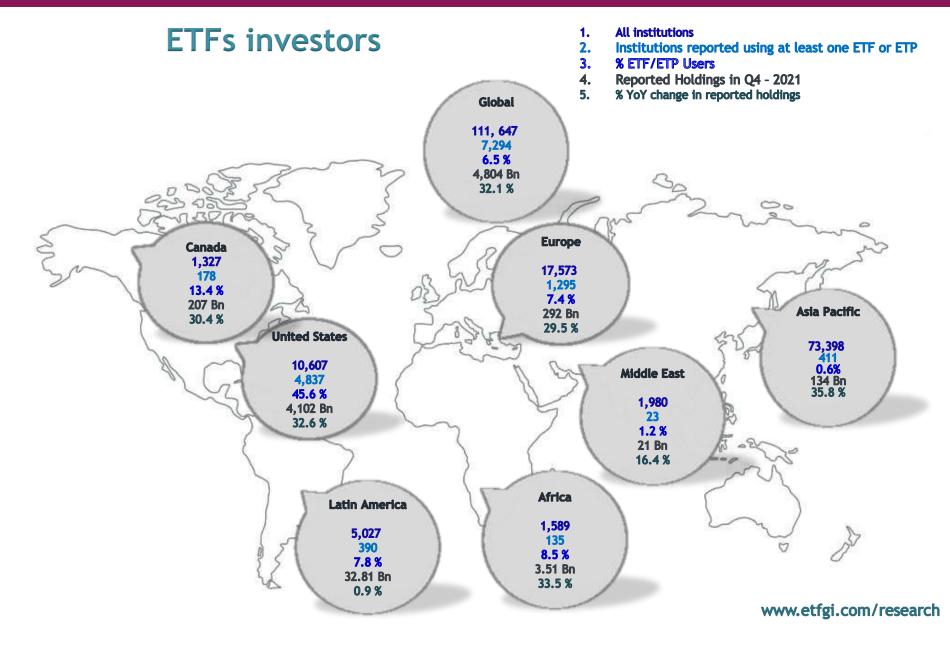


Source: ETFGI, Thomson Reuters. Note: #Firms reflects the number of firms reported holding one or more ETF or ETP in any of the 4 (quarterly) periods in each year. Q4-Holdings reflects the US dollar value of reported ETF and ETP holdings for just the Q4 reporting period only (Q4 is isolated as we do not combine \$ values from different reporting periods).





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# Opportunities for ETFs

Evolving opportunities - retail investors, financial advisors and model portfolios

Once investor uses an ETF they tend to invest more, use more often and in larger size

Covid drove new investors into the stock 15% of investors in US stock market were new investors in 2021\*

93% of retail investors using ETFs expect to consider purchasing an ETF in next 2 years

41% non-ETF investors expect to consider purchasing an ETF in next 2 years

80% of ETF investors agree ETFs is vehicle of choice

Share of ETFs in portfolio has been growing from 2017 - 2022 grew from 27% to 33% in 5 years expect 40%

Model portfolios will drive the use of ETFs

Digital platforms will drive adoption

\*Charles Schwab studies

# The future -

Regulations, product and distribution innovations will drive growth

New investors using ETFs, more investments from existing investors

New asset managers launching ETFs

New types of ETFs

New markets for ETFs

# ETFs/ETPs listed by region/country: Global

		,,			NINIA					NINIA						
North		# ETFs/	#	Assets (US\$ Mn)	NNA (US\$ Mn)		# ETFs/	#	Assets (US\$ Mn)	NNA (US\$ Mn)	Middle East		#		Assets	NNA
America			listings	Feb-23	Feb-23	Europe		listings	Feb-23		and Africa		TPs/	# listings	(US\$ Mn) Feb-23	(US\$ Mn) Feb-23
Canada	÷	1,071	1,364	260,561	3,497	Austria	2	107	173	39	Botswana		0	listiligs 5	1 eb-23	1 en-23
US [	25	3,119	3,119	6,754,948	8,173	Belgium <b>I</b>	1	15	49	<b>-</b>	Egypt	0	1	1	3	
Total		4,190	4,483	7,015,509	11,670	Bulgaria	16	16	62	(0)	Ghana		0	1	0	-
						Croatia	2	2	10			Ф	25	25	0	
						Denmark	1	1	288	-	Israel	¢	500	539	25,816	334
						Finland	1	1	433	-	Kenya	-1	0	1	0	<u>-</u>
	*				NINIA	France	355	705	154,924	863	Mauritius		2	4	47	<b>-</b>
		# ETFs/		Assets (US\$ Mn) (	ANN (aM 221)	Germany	806	2,844	371,589	(119)			0	11	0	<del>-</del>
Asia Pacifi	c		" listings		Feb-23	Greece	1	1	27	-	Nigeria	Щ.,	11	12	18	
Australia		303			553	Hungary	1	8	7	(0)	Qatar Saudi Arabia	504	2	2 8	254 399	(3) (7)
China		781	782	215,571	(5,655)	Iceland	1	\1	0			<u></u>	187	188	7,973	(24)
Hong Kong		<u>**</u> 172	268	45,958	976	Ireland	0	5	0	-	UAE		8	11	222	(1)
India		169	169	61,034	82	Italy	215	1,781	19,209	88		,	1 1	1	4	
Indonesia	•	48	3 49	948	(6)	Netherlands —	119	621	31,211		Total		745	809	34,736	300
Japan	Γ	• 275	308	456,709	(1,329)	Norway	1	1	211		***************************************		, ,			
Kazakhstan	) [	15	22	. 9	٠	Poland	8	10	96	0			ш		Acceto	NINIA
Malaysia		<b>1</b> 9	20	513	0	Portugal	0	0	0			FT	Fs/	#	Assets (US\$ Mn)	NNA (US\$ Mn)
New Zealar	nd 📱	36	36	3,694	(2)	Romania	2	2	5		Latin America			istings	Feb-23	Feb-23
Pakistan		C 7	7 7	3.0	(0)	Russia	65	72	2,061		Brazil	<b>(*)</b>	94	298	8,108	59
Philippines	3	1	1	38	0	Slovenia	0	7	0		Chile		6	306	124	5
Singapore	•	<b>=</b> 29	63	8,124	(255)	Spain <u>La</u>	5	5	712	(24)	Colombia <b></b>		2	33	1,333	(4)
South Kore	a [	1,039	1,039	75,604	1,289	Sweden	14	18	6,644	13		٥	24	1,576	7,384	97
Taiwan		269	274	81,202	3,576	Switzerland	287	2,173	201,635	922		루팅	6	6	276	(7)
Thailand		13	3 13	541	-	Turkey	15	15	1,655	772		•	0	9	0	<b>-</b>
Vietnam		<u>*</u> 9	) 9	1,335	1	United Kingdom	1,023	3,501	692,823	5,831		0	1	226	49	(0)
Total		3,185	3,383	1,045,011	(769)	Total			092,023	8 606	Total		133	2,454	17,274	150

2,94111,9121,483,824

Source: ETFGI, Bloomberg, ETF/ETP providers, Bank of Israel, WIND, Tehran Stock Exchange. The data for Iran is as at the end of May 2017.

Total



8,606

# Thank you

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Previously, Deborah Fuhr served as global head of ETF research and implementation strategy and as a managing director at BlackRock/Barclays Global Investors from 2008 - 2011. She also worked as a managing director and head of the investment strategy team at Morgan Stanley in London from 1997 - 2008, and as an associate at Greenwich Associates.

She has been working with investors, ETF, ETP providers, index providers, exchanges, MMs and APs, regulators, trade associations, custodians, law firms, accounting firms around the world since 1997. ETFGI is honored to count as our research and consulting clients some of the leading firms in the ETF Ecosystem around the world as well as some new entrants and firms that are considering entering the ETF, ETP industry.

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## About ETFGI www.etfgi.com





#### Upcoming 2023 ETFGI Global ETFs Insight Summit schedule:

4th Annual Latin America, April 19-20 Virtual Register Here

4th Annual Europe & MEA, June 14 In person in London & June 15 Virtual Register Here

4th Annual USA, Sep 20 In person in New York & Sep 21 Virtual Register Here

4th Annual Asia Pacific, October 24-25 Virtual Register Here

5th Annual Canada, Nov 29 In person in Toronto & Nov 30 Virtual Register Here

The summits are designed as educational events for institutional investors and financial advisors to provide substantive and in-depth discussion on the regulatory, trading, and technological developments impacting the use, selection and trading of ETFs. Exciting line up of speakers in fireside chats and panel discussions on timely and relevant topics with sponsor booths and virtual networking!

Free registration and CPD educational credits are offered to institutional investors and financial advisors. If you cannot attend, register anyway and we will send you the session recordings.



- Visit our website <u>www.etfgi.com</u> to register to receive our press releases

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ETF TV News is a weekly new show which provides insights for investors into the use, trading, regulatory and product development trends for exchange traded funds ETFs and exchange traded products ETPs. Go to <a href="www.ETFtv.net">www.ETFtv.net</a> to view prior episodes.



ETFGI is supporting Jobs in ETFs, the first website for careers and recruitment in the ETF industry.



A Comprehensive Guide to Exchange Traded Funds (ETFs) by Joanne M. Hill, Dave Nadig, Matt Hougan With an appendix on international ETFs by Deborah Fuhr. <u>Download here.</u>

Please contact us at <u>Deborah.fuhr@etfgi.com</u> if you would like further information on our services or if you are interested in subscribing to our research or working with us to create virtual or in-person event. We also welcome your feedback on our current research as well as suggestions for new research.



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