



Overview of Index Products and Development of ETFs in Hong Kong

Calvin Tai
Head of Trading Division
Hong Kong Exchanges and Clearing Limited

13 May 2011





Agenda

- Overview of Index Products in Hong Kong
- Hong Kong ETF Market
- ETF Market Participants in Hong Kong
- Future Challenges and Opportunities in ETF Market



Broad range of index-based products traded in HKEx

Cash Market

ETFs

Index Warrants

Index CBBCs (Callable Bull/Bear Contracts)

Derivatives Market

Index Futures

- Hang Seng Index
- HSCEI Index
- Dividend Indexes
- HSI Volatility Index (in progress)

Index Options

- Hang Seng Index
- H-Shares Index
- Flexible Options

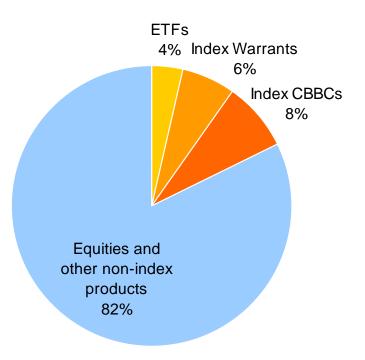
Link to product Information:

http://www.hkex.com.hk/eng/prod/secprod/CMProducts.htm http://www.hkex.com.hk/eng/prod/drprod/DMProducts.htm



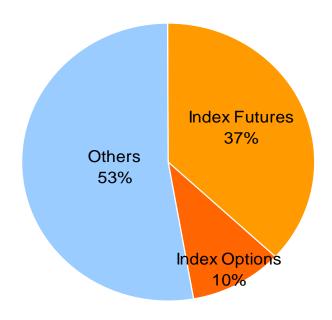
Index based products constitute a significant percentage of trading in HKEx

Cash Market Breakdown of 2010 Turnover



- No.1 globally in securitized derivatives trading
- 59% index-based securitized derivatives

Derivatives Market Breakdown of 2010 Volume (No. of Contracts)



- 5th globally in notional turnover of Index Futures
- 7th globally in notional turnover of Index Options





Hong Kong ranked 1st globally in turnover of Securitized Derivatives (i.e. Derivatives Warrants and CBBCs)

Jan - Dec 2010

Exchange		Turnover (US\$M)	
1	Hong Kong Exchanges	533,930	
2	Korea Exchange	354,347	
3	Deutsche Börse	79,651	
4	SIX Swiss Exchange	38,066	
5	NYSE Euronext (Europe)	34,773	
6	Tel Aviv SE	32,464	
7	London SE Group	20,967	
8	Shenzhen SE	8,624	
9	Taiwan SE Corp.	6,607	
10	Singapore Exchange	4,483	





Hong Kong ranked 5th and 7th globally in notional turnover of Index Futures and Index Options

Index Futures Jan – Dec 2010

	Exchange	Notional Turnover (US\$M)
1	CME	39,783,292
2	EUREX	21,050,635
3	KRX	8,568,580
4	NYSE.Liffe Eu	5,781,483
5	HKEx	4,103,641
6	OSE	3,903,018
7	TAIFEX	1,533,532
8	TSE	1,484,362
9	ASX SFE	1,056,729
10	NSE	890,626

Index Options Jan - Dec 2010

	Exchange	Notional Turnover (US\$M)
1	KRX	14,792,467
2	EUREX	12,412,042
3	CME	4,905,564
4	NSE	3,225,940
5	NYSE.Liffe Eu	3,148,453
6	Tel Aviv SE	2,204,583
7	HKEx	1,423,999
8	TAIFEX	1,221,192
9	ASX	223,060
10	OMX Nordic Ex	195,937

Source: World Federation of Exchanges





Agenda

- Overview of Index Products in Hong Kong
- Hong Kong ETF Market
- ETF Market Participants in Hong Kong
- Future Challenges and Opportunities in ETF Market



Hong Kong ranked 8th globally and 1st regionally in terms of ETF turnover

Global Jan - Mar 2011

	Exchange	Turnover (US\$M)	No.
1	NYSE Euronext (US)	968,253	1,175
2	NASDAQ OMX	858,858	86
3	London SE Group	79,182	1,345
4	Deutsche Börse	72,430	788
5	NYSE Euronext (Europe)	52,526	618
6	TSX Group	29,420	226
7	SIX Swiss Exchange	26,595	519
8	Hong Kong Exchanges	20,325	72
9	Mexican Exchange	19,045	379
10	Shanghai SE	11,739	17

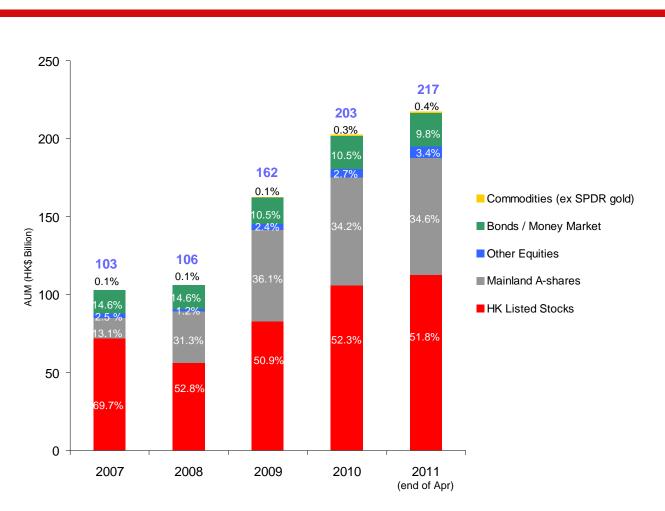
Asia Jan – Mar 2011

	Exchange	Turnover (US\$M)	No.
1	Hong Kong Exchanges	20,325	72
2	Shanghai SE	11,739	17
3	Tokyo SE Group	11,029	101
4	Korea Exchange	9,697	74
5	Osaka SE	7,934	15
6	Shenzhen SE	6,719	5
7	Taiwan SE Corp.	2,473	15
8	Singapore Exchange	1,966	80
9	Australian SE	1,884	42
10	National Stock Exchange India	532	26

Source: World Federation of Exchanges



Asset accumulation increases over time and consists of diverse underlying



Underlying Asset N	IO. OT ETFS	
Hong Kong Listed Stocks		
gga e	14	
Mainland A-shares		
	24	
Other Equities		
Asia Pacific	7	
Brazil	1	
Europe	1	
Global	4	
Greater China	2	
India	3	
Russia	2	
Taiwan	4	
US	3	
Other East Asia	5	
Bonds / Money Market		
Asia Pacific	1	
Hong Kong	1	
US	1	
Commodities		
Gold	2	
Index	1	



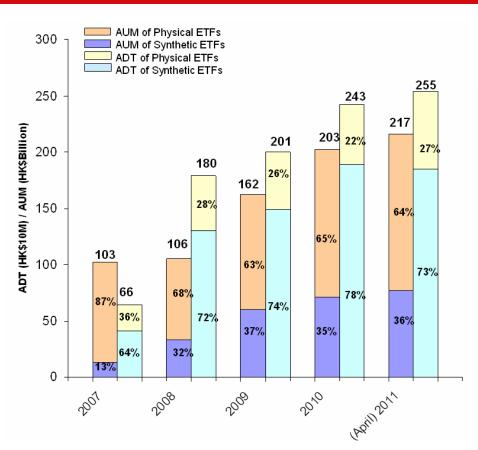


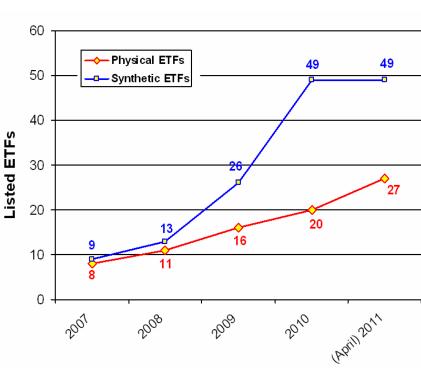
Synthetic ETFs have distinguished strategies and risks vis-à-vis physical ETFs

ETF	Strategy	Risk unique to product structure
Physical	Invest directly in underlying assets	Stock borrowing & lending risk (if applicable)
Synthetic	Use Swaps (for both restricted and freely accessible markets)	Counterparty risk
	Use Market Access Products (for restricted access markets)	Counterparty risk



ETF listings, AUM and turnover have grown significantly in recent years



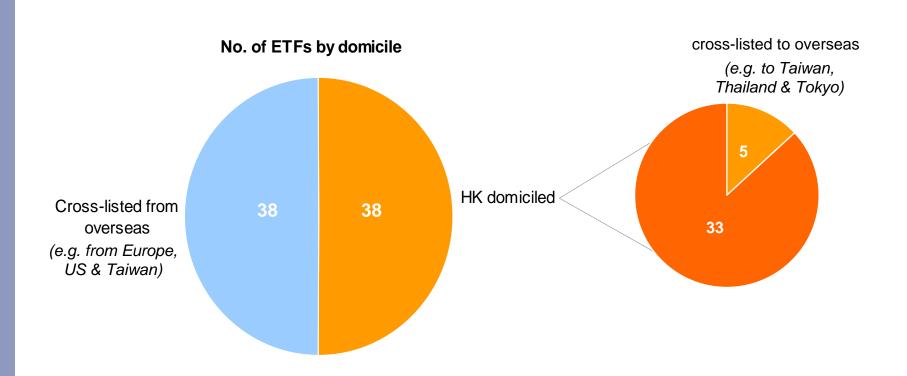


ADT – Average Daily Turnover AUM – Assets Under Management





Hong Kong is flexible to facilitate listing of HK domicile ETFs as well as cross-listing ETFs to and from overseas





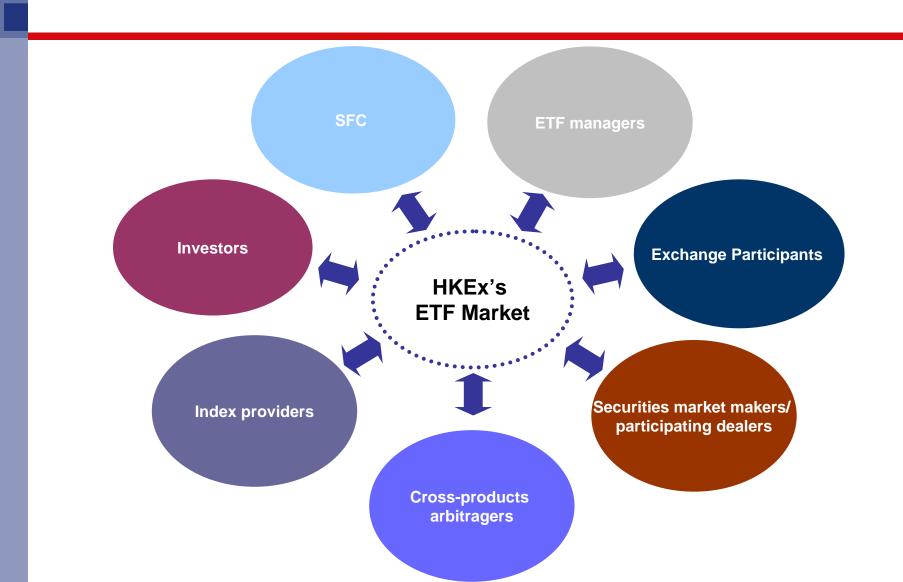


Agenda

- Overview of Index Products in Hong Kong
- Hong Kong ETF Market
- ETF Market Participants in Hong Kong
- Future Challenges and Opportunities in ETF Market



Making Hong Kong a major ETF hub requires coordinated efforts of key players





Regulatory framework facilitates listing of ETFs with different structures and types of underlying assets



 The first UCITS compliant ETFs cross-listed from Europe by Lyxor International Asset Management (on commodity index; regional and international equity indexes).



The first single asset class ETF cross-listed from the US (ie SPDR Gold Trust).



 Hong Kong and Taiwan regulators announced mutual recognition of ETFs, paved for cross-listing of ETFs (ie Polaris Taiwan Top 50 Tracker Fund (H.K.)).



Efforts to enhance investor protection and awareness

2008/2009

Improve disclosure

2008/2009

Diversification of derivatives issuers & Provision of collateral

2010

Introduction of Key Fact Statement

- Prospectuses and marketing materials provide clear upfront risk disclosure box.
- Synthetic ETFs with Market Access Products (i) increase issuers to diversify counterparty exposure; and (ii) collateral from issuers to limit each counterparty risk to no more than 10% of their NAVs.

 All ETFs to have Key Fact Statement that summarizes the key features and risks by mid 2011.

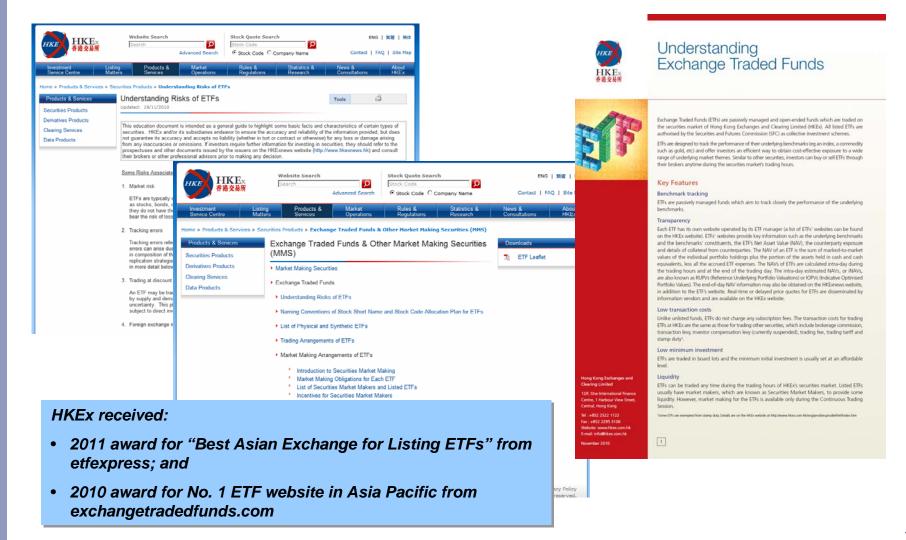
2010

More disclosure requirements for synthetic ETFs

- "X" markers on stock short names.
- HKEx enhances ETF website to segregate synthetic ETFs from physical ETFs and to highlight product features and risks



Working with ETF managers to further promote to investors; including through HKEx's ETF website





In summary, key players in the ETF eco-system contribute to the success of the Hong Kong market

- 4 of the Top 5 Global ETF Managers by Assets have presence in Hong Kong and the number of ETF Managers is increasing
- 23 Securities Market Makers with diverse origin providing liquidity
- 493 Exchange Participants to act as intermediaries to distribute ETFs
- A quarter of retail investors invested in ETFs and is increasing



4 of Top 5 Global ETF Managers by Assets have presence in Hong Kong and the number of ETF Managers is increasing

North America Origin

ETF Manager	No. of ETFs
BlackRock Asset Management North Asia Ltd	14
State Street Global Advisors Asia Ltd	3
State Street Global Advisors Singapore Ltd	1

Europe Origin

ETF Manager	No. of ETFs
Deutsche Bank Group	24
Lyxor International Asset Management	12
HSBC Investment Funds (HK) Ltd	5

No. of ETF Managers



Asia Origin

ETF Manager	No. of ETFs
BOCI-Prudential Asset Management Ltd	5
Hang Seng Investment Management Ltd	3
Da Cheng International Asset Management Company Ltd	3
Sensible Asset Management Hong Kong Ltd	2
Polaris Securities (Hong Kong) Ltd	1
Ping An of China Asset Management (Hong Kong) Company Ltd	1
China International Capital Corporation Hong Kong Asset Management Ltd	1
Mirae Asset Global Investments (HK) Ltd	1



Securities Market Makers are crucial for providing liquidity

North America Origin

Securities Market Maker	ETF No.
Citigroup Global Markets Asia Ltd	20
LaBranche Structured Products Hong Kong Ltd	9
Bluefin HK Ltd	8
Merrill Lynch Far East Ltd	5
Morgan Stanley Hong Kong Securities	4
Timber Hill Securities Hong Kong Ltd	3
J.P. Morgan Broking (Hong Kong) Ltd	1

Africa Origin

Securities Market Maker	ETF No.
Standard Securities Asia Ltd	1

Europe Origin

Securities Market Maker	ETF No.
Deutsche Securities Asia Ltd	31
UBS Securities Hong Kong Ltd	20
SG Securities (HK) Ltd	18
IMC Asia Pacific Ltd	15
Optiver Trading Hong Kong Ltd	13
Credit Suisse Securities (Hong Kong) Ltd	9
HSBC Securities Brokers (Asia) Ltd	4
BNP Paribas Securities (Asia) Ltd	3
HSBC Broking Securities (Hong Kong) Ltd	2
Tibra Trading Hong Kong Ltd	1

Asia Origin

Securities Market Maker	Origin	ETF No.
BOCI Securities Ltd	Mainland China	1
China Merchants Securities (HK) Co., Ltd	Mainland China	1
Phillip Securities (HK) Ltd	Singapore	3
Polaris Securities (Hong Kong) Ltd	Taiwan	3
Nomura Securities (Hong Kong) Ltd	Japan	5



493 Exchange Participants may act as intermediaries to distribute ETFs

North America Origin

Origin	No. of Exchange Participants
USA	21
Canada	2

Europe Origin

Origin	No. of Exchange Participants
UK	8
France	8
Netherlands	4
Switzerland	2
Germany	
Luxembourg	1
Russia	1
South Africa	1

Asia Origin

Origin	No. of Exchange Participants
Hong Kong	358
Mainland China	32
Taiwan	22
Japan	13
Malaysia	6
Singapore	5
Australia	4
South Korea	2
Indonesia	1
Philippines	1
	<u> </u>



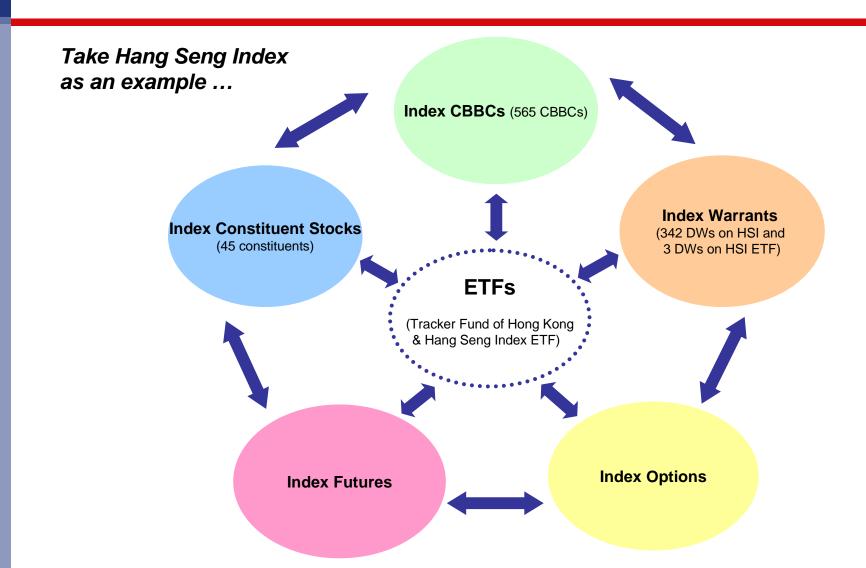
A quarter of retail investors invested in ETFs and is increasing

- Typical ETF retail investor was 47 years old, with matriculation or above education, a personal income of HK\$16,250 and a household income of HK\$35,000 (monthly)
- ETF investors tended to be older than those for other securities
- ETF investors tended to trade more frequently and have a relatively higher average value per transaction
- In 2009, 24% of stock investors invested in ETFs compared to 22% in 2007

(Source: Retail Investor Survey 2009 and 2007, HKEx)

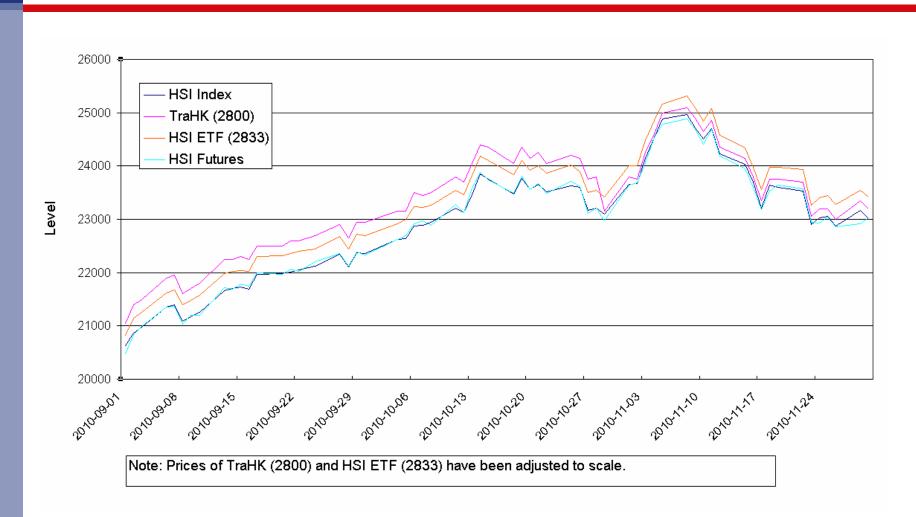


Arbitragers play an important role to pricing efficiency among different products





ETFs may complement equities and index futures for cross-product arbitrage







Agenda

- Overview of Index Products in Hong Kong
- Hong Kong ETF Market
- ETF Market Participants in Hong Kong
- Future Challenges and Opportunities in ETF Market



Future Challenges and Opportunities

Major issues relating to the development of ETFs

Turnover concentrated on a few ETFs

- i. how to increase the liquidity for less actively traded ETFs?
- ii. role of securities market makers to provide liquidity of ETFs?

Global regulatory environment and media attention focuses on risks associated with synthetic ETFs

- i. how to help investors distinguish between physical and synthetic ETFs?
- ii. how the industry can work together to educate investors to understand risks of synthetic ETFs?





Contact us

Calvin Tai

Head of Trading Division (852) 2211 6162 calvintai@hkex.com.hk

Or visit us at http://www.hkex.com.hk





Thank you