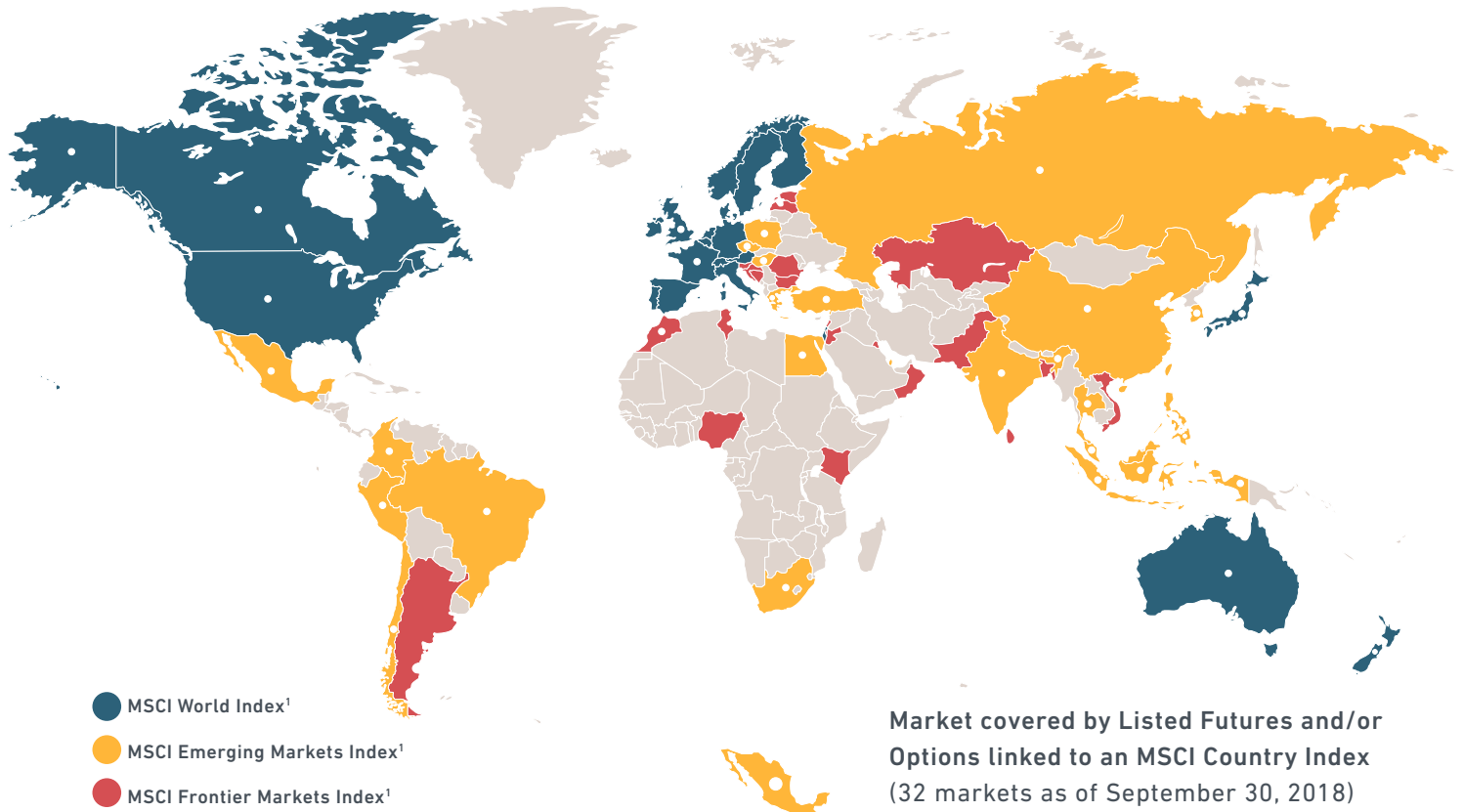


LISTED FUTURES AND OPTIONS BASED ON MSCI INDEXES

Q3 2018

32 MARKETS ARE COVERED BY LISTED COUNTRY CONTRACTS LINKED TO MSCI INDEXES



A wide variety of financial products are based on or use MSCI indexes, including ETFs, mutual funds, insurance products, structured products, OTC derivatives and listed futures and options.

To demonstrate the quality, widespread use and adoption of MSCI indexes, this document contains a broad list compiled from public sources of listed futures and options based on MSCI indexes.

\$1.193 TRILLION

OF MSCI INDEX BASED FUTURES
AND OPTIONS TRADED IN Q3 2018

Based on data from MSCI, ICE Futures US,
ICE Futures Europe, CBOE, Eurex, SGX, JSE,
DGCX and HKEX.

371,774

MSCI BASED CONTRACTS
TRADED ON AVERAGE DAILY
DURING Q3 2018

4,62 MILLION

CONTRACTS IN OPEN INTEREST
AS OF END OF Q3 2018

¹ The MSCI World, MSCI Emerging Markets and MSCI Frontier Markets Indexes include 23, 24 and 22 markets respectively as of September 30, 2018.

EXCHANGE TRADED CONTRACTS WITH THE HIGHEST AVERAGE DAILY VOLUME (ADV) IN Q3 2018*

BASED ON MSCI GLOBAL/REGIONAL INDEXES

INDEX	EXCHANGE	FUTURES	OPTIONS	ADV Q3 2018	ADV Q3 2017	% CHANGE YOY
Emerging Markets (USD, Price)	ICE Futures US (ICE US)	•		132,357	103,461	28%
EAFE (USD, Price)	ICE Futures US (ICE US)	•		30,313	27,182	12%
Europe (EUR, NTR)	EUREX	•		7,472	3,825	95%
EM Asia (USD, NTR)	EUREX	•		7,088	7,020	1%
World (EUR, NTR)	EUREX	•		4,813	3,642	32%

BASED ON MSCI COUNTRY INDEXES

INDEX	EXCHANGE	FUTURES	OPTIONS	ADV Q3 2018	ADV Q3 2017	% CHANGE YOY
Taiwan (TWD, Price)	Singapore Exchange (SGX)	•		77,424	76,184	2%
Singapore Free (SGD, Price)	Singapore Exchange (SGX)	•		35,971	41,348	-13%
Japan (USD, NTR)	Singapore Exchange (SGX)	•		8,396	-	N/A
India (USD, NTR)	Singapore Exchange (SGX)	•		3,411	-	N/A
Taiwan (USD, NTR)	Singapore Exchange (SGX)	•		3,114	-	N/A

LISTED FUTURES AND OPTIONS BASED ON MSCI INDEXES

	CURRENCY	DIVIDEND	INDEX FAMILY	FUTURES TICKER/SYMBOL						OPTIONS TICKER/SYMBOL				
				DG CX	EUREX	ICE EU	ICE US	JSE	SGX	HKEX	CBOE	EUREX	ICE EU	ICE US
ALL COUNTRY (DM + EM) INDEXES														
GLOBAL INDEXES														
ACWI	EUR	NTR	GIMI		FMAE									
ACWI	USD	NTR	GIMI		FMAC	WMS	MMW							
ACWI	USD	Price	GIMI				MAW							
REGIONAL INDEXES														
AC ASEAN	USD	NTR	GIMI		FMSE									
AC Asia	USD	NTR	GIMI		FMAA									
AC Asia ex Japan	USD	NTR	GIMI		FMXJ	MCR								
AC Asia Pacific	USD	NTR	GIMI		FMAP									
AC Asia Pacific ex Japan	USD	NTR	GIMI		FMAS	MAK		MXJ			OMAS			
AC Far East ex Japan	USD	NTR	GIMI			MCA								
ACWI ex Australia	USD	NTR	GIMI			MZA								
ACWI ex Europe	EUR	NTR	GIMI			MWL								
ACWI ex USA	USD	NTR	GIMI		FMXU		AWN							
ACWI ex USA	USD	Price	GIMI				AWE							
DEVELOPED MARKETS INDEXES														
GLOBAL INDEXES														
World	EUR	GTR	GIMI		FMWE									
World	EUR	NTR	GIMI		FMWN	MLW						OMWN		
World	USD	GTR	GIMI		FMWG									
World	USD	NTR	GIMI		FMWO	MCN						OMWO		
World	USD	Price	GIMI		FMWP		MWL					OMWP		
World Hedged EUR	EUR	NTR	Hedged			MHN								
World Equal Weighted	USD	NTR	Factor			EWV								
World Min Vol	USD	NTR	Factor			MVW								
World Consumer Discretionary	USD	NTR	Sector			MWG								
World Consumer Staples	USD	NTR	Sector			MWB								
World Energy	USD	NTR	Sector			MWE								
World Financials	USD	NTR	Sector			MWN								
World Health Care	USD	NTR	Sector			MWO								
World Industrials	USD	NTR	Sector			MWI								
World IT	USD	NTR	Sector			MWV								
World Materials	USD	NTR	Sector			MWM								
World Mid Cap	USD	NTR	Sector		FMWM									
World Real Estate	USD	NTR	Sector			MWS								
World Telecommunication Services	USD	NTR	Sector			MWT								
World Utilities	USD	NTR	Sector			MWW								
World Growth	USD	NTR	Style		FMOG									
World Value	USD	NTR	Style		FMOV									

	CURRENCY	DIVIDEND	INDEX FAMILY	FUTURES TICKER/SYMBOL							OPTIONS TICKER/SYMBOL				
				DGXC	EUREX	ICE EU	ICE US	JSE	SGX	HKEX	CBOE	EUREX	ICE EU	ICE US	SGX
REGIONAL INDEXES															
EAFE	USD	NTR	GIMI		FMFA	MCI	MFU								
EAFE	USD	Price	GIMI		FMFP		MFS						OMFA		
EMU	EUR	GTR	GIMI		FMGM								MXEA	OMFP	
EMU	EUR	NTR	GIMI		FMMU	MSB									
EMU Hedged USD	USD	NTR	Hedged			MHE									
EMU Growth	EUR	NTR	Style		FMIG										
EMU Value	EUR	NTR	Style		FMIV										
Euro	EUR	Price	GIMI				MEU								
Europe	EUR	GTR	GIMI		FMGE										
Europe	EUR	NTR	GIMI		FMEU	MPE							OMEU	MPY	
Europe	EUR	Price	GIMI		FMEP		MCE						OMEV		
Europe	USD	GTR	GIMI		FMGU										
Europe	USD	NTR	GIMI		FMED	MCJ									
Europe ex Switzerland	EUR	NTR	GIMI		FMXS	MSZ									
Europe ex UK	USD	NTR	GIMI			MKE									
Europe Consumer Discretionary	EUR	NTR	Sector			ME0									
Europe Consumer Staples	EUR	NTR	Sector			ME1									
Europe Energy	EUR	NTR	Sector			ME2									
Europe Financials	EUR	NTR	Sector			ME3									
Europe Health Care	EUR	NTR	Sector			ME4									
Europe Industrials	EUR	NTR	Sector			ME5									
Europe IT	EUR	NTR	Sector			ME6									
Europe Materials	EUR	NTR	Sector			ME7									
Europe Real Estate	EUR	NTR	Sector			MF0									
Europe Telecommunication Services	EUR	NTR	Sector			ME8									
Europe Utilities	EUR	NTR	Sector			ME9									
Europe Equal Weighted	EUR	NTR	Factor			EWE									
Europe Min Vol	EUR	NTR	Factor			MVE									
Europe Growth	EUR	NTR	Style		FMEG								OMEG		
Europe Growth	EUR	Price	Style				MGE								
Europe Value	EUR	NTR	Style		FMEV								OMEV		
Europe Value	EUR	Price	Style				MPU								
Kokusai	JPY	NTR	GIMI			MKI									
Kokusai	USD	GTR	GIMI		FMKG	MK0									
Kokusai	USD	NTR	GIMI		FMKN	MCK									
North America	USD	GTR	GIMI		FMGA										
North America	USD	NTR	GIMI		FMNA										
Pacific	USD	GTR	GIMI		FMPA										
Pacific	USD	NTR	GIMI		FMPG										
Pacific ex Japan	USD	NTR	GIMI		FMPX	MPJ									
Pan-Euro	EUR	Price	GIMI				MPP								
COUNTRY INDEXES															
Australia	USD	NTR	GIMI		FMAU			AAEA							
Canada	EUR	NTR	GIMI			MDB									
Canada	USD	GTR	GIMI		FMGC										
Canada	USD	NTR	GIMI		FMCA	MDA									
Canada	USD	Price	GIMI				MCL								
France	EUR	GTR	GIMI		FMGF										
France	EUR	NTR	GIMI		FMFR	MFR									
Hong Kong	USD	NTR	GIMI		FMHK	MCM									
Japan	JPY	NTR	GIMI		FMJY			JJPA							
Japan	USD	GTR	GIMI		FMJG										
Japan	USD	NTR	GIMI		FMJP	MCO		AJCA					OMJP		
Japan	JPY	Price	GIMI		FMJP			JAPA							
Japan Hedged EUR	EUR	NTR	Hedged			MHI									
New Zealand	USD	NTR	GIMI		FMNZ										
Singapore	USD	NTR	GIMI		FMSI										
Singapore Free	SGD	Price	GIMI					SGP						SGPO	
Singapore Free	USD	NTR	GIMI					NSG							
Switzerland	CHF	NTR	GIMI			MSH									
Switzerland	EUR	NTR	GIMI			MSR									
UK	EUR	NTR	GIMI			MUN									
UK	GBP	NTR	GIMI		FMUK										
UK	USD	NTR	GIMI		FMDK										
USA	EUR	NTR	GIMI			MCU									
USA	USD	GTR	GIMI		FMGS										
USA	USD	NTR	GIMI		FMUS	MCV									
USA	USD	Price	GIMI								MUN				
USA Small Cap	USD	Price	GIMI								MUS				
USA Equal Weighted	USD	NTR	Factor		FMUE	EWS									
USA Momentum	USD	NTR	Factor		FMUM										
USA Quality	USD	NTR	Factor		FMUQ										
USA Value Weighted	USD	NTR	Factor		FMUV										
USA Growth	USD	Price	Style				MRG								
USA Value	USD	Price	Style				MCU								

	CURRENCY	DIVIDEND	INDEX FAMILY	FUTURES TICKER/SYMBOL							OPTIONS TICKER/SYMBOL				
				DGXC	EUREX	ICE EU	ICE US	JSE	SGX	HKEX	CBOE	EUREX	ICE EU	ICE US	SGX
EMERGING & FRONTIER MARKETS INDEXES															
GLOBAL INDEXES															
Emerging Markets	EUR	NTR	GIMI		FMEN	MSM	MMR							OMEN	
Emerging Markets	USD	NTR	GIMI		FMEM	MCQ	MMN		ANEA					OMEM	
Emerging Markets	USD	Price	GIMI		FMEF		MME		DNEA			MXEF	OMEF	OMME	
Emerging Markets Equal Weighted	USD	NTR	Factor			EWM									
Emerging Markets Min Vol	USD	NTR	Factor			MVM									
Emerging Markets Growth	USD	NTR	Style		FMMG										
Emerging Markets Value	USD	NTR	Style		FMMV										
Frontier Markets	USD	NTR	GIMI		FMFM										
REGIONAL INDEXES															
BRIC	USD	NTR	GIMI			MCC									
EM ex China	USD	NTR	GIMI						NEXC						
EM ex Korea	USD	NTR	GIMI						NEXK						
EM Asia	USD	NTR	GIMI		FMEA	MCB	ASN		CNEA					OMEA	
EM Asia	USD	Price	GIMI				ASE								
EM Asia ex China	USD	NTR	GIMI						NEAXC						
EM Asia ex Korea	USD	NTR	GIMI		FMXK				NEAXK						
EM EMEA	USD	NTR	GIMI		FMEE	MCZ	MMM		NEMEA					OMEE	
EM EMEA ex Turkey	USD	NTR	GIMI		FMXT										
EM LatAm ex Brazil	USD	NTR	GIMI		FMXB										
EM Latin America	USD	NTR	GIMI		FMEL	MCF	MML		NLATA					OMEL	
EM Latin America	USD	Price	GIMI				MLE								
COUNTRY INDEXES															
Brazil	USD	NTR	GIMI			MCG									
Chile	USD	NTR	GIMI		FMCL										
China Free	USD	NTR	GIMI		FMCN		MCY		NCH					OMCN	
China Free	USD	Price	GIMI						CH					CCH	
Colombia	USD	NTR	GIMI		FMCO										
Czech Rep	USD	NTR	GIMI		FMCZ										
Egypt	USD	NTR	GIMI		FMEY										
Hungary	USD	NTR	GIMI		FMHU										
India	INR	Price	GIMI	DMSI					MD						
India	USD	NTR	GIMI	DMSU	FMIN	MII	MIN		NMD						
Indonesia	IDR	Price	GIMI						ID						
Indonesia	USD	NTR	GIMI		FMID				NID						
Malaysia	MYR	Price	GIMI						MY						
Malaysia	USD	NTR	GIMI		FMMY				NMY						
Mexico	USD	NTR	GIMI		FMMX	MCH	MXM								
Morocco	USD	NTR	GIMI		FMMA										
Pakistan	USD	NTR	GIMI		FMPK										
Peru	USD	NTR	GIMI		FMPE										
Philippines	PHP	Price	GIMI						PH						
Philippines	USD	NTR	GIMI		FMPH				NPH						
Poland	USD	NTR	GIMI		FMPL										
Qatar	USD	NTR	GIMI		FMQA										
Russia	USD	NTR	GIMI		FMRS										
Russia	USD	Price	GIMI		FMRU									OMRU	
South Africa	EUR	NTR	GIMI			MSE									
South Africa	USD	NTR	GIMI		FMZA	MSA	MMS								
South Africa	ZAR	Price	GIMI					MXZA							
Taiwan	TWD	Price	GIMI						TW					TWO	
Taiwan	USD	NTR	GIMI		FMTW	MST			NTW						
Thailand	THB	Price	GIMI						TH						
Thailand	USD	NTR	GIMI		FMTH				NTH						
UAE	USD	NTR	GIMI		FMUA										

● Top ADV contracts ● New contracts

FOR MORE INFORMATION ON MSCI INDEXES: <https://www.msci.com/futures-and-options>

The information contained herein (the "Information") may not be reproduced or disseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided "as is" and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN "MSCI PARTY") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE MSCI PARTIES HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited.

©2018 MSCI Inc. All rights reserved | CFS1018

