

a SIX company

Index Benchmark Data Service

Index Trading, Asset Management, Risk, Performance & Analytics

≡ Launch	ipad Ke	yboard Help	Theme	ight \$ Sa	ve Workspa	ice		Contact	Support	9	ult	tumus.c	om C	onnected, ping	js: 3353,	, round trip: 20 n
Search	world			Constitue Search	Date	14/02/2020		Index Family			•					He
All TMS	CI STOXX	STOXX_DEUT	ISCHE S_AND_	Ρ				τ	Σσοι	7 / E %	Sub Basket				τ Σ	007/B
1 RIC	C #/	Assets	Descrip	tion	hasTF	Plus Var	ant Type	al Ccy Idx	Family	Upda	▲Sub Bskt	#	ldx Lvl	Divisor		Total Value
.dMIWOU0000PUS		1,008 WORLD ex USA PRICE (USD)		true	Price R	eturn Index US	D MSCI		2020-02	Open	1,008	8,737.8	81 1,877,152,	734 16,4	6,402,203,292,005	
MIWOUOD	DOONUS	1,008 WORI	LD ex USA NET (U	SD)	true	Net Ret	turn Index US	D MSCI		2020-02						
MIWOUOD	DOOGUS	1,008 WOR	LD ex USA GROSS	(USD)	true	Gross I	Return Index US	D MSCI		2020-01						
MIWOOOD	000PUS	1,575 WOR	LD ex AUSTRALIA	PRICE (USD)	true	Price R	eturn Index US	D MSCI		2020-02						
MIWOOOD	DOONUS	1,575 WOR	LD ex AUSTRALIA	NET (USD)	true	e Net Ret	turn Index US	D MSCI		2020-02						
dMIW0000	DOOGUS	1,575 WOR	LD ex AUSTRALIA	GROSS (USD)	true	e Gross I	Return Index US	D MSCI		2020-02						
	1									-						
	rporate Actio		,		_					07/199	ACE	Charts	Divider	nds Upcomi	ing Char	nges
RIC	rporate Actio BBG		ountry Name	Shares Out	▼ Wgt (%)	Off Close	Notional			et Cls	ACE GICS Sec			nds Upcomi	ing Char	5
RIC	BBG		Name	Shares Out	▼ Wgt (%)		Notional	٢	e Asse	• -				nds Upcomi	ing Char	5
RIC ESN.S	BBG	N	Vame (104.70	Notional 318,482,342,7	Asset Typ	e Asse	et Cls				nds Upcomi	ing Char	0 2
RIC ESN.S OG.S	BBG NESN SE E ROG SE Eq.	NESTLE N C	Name	2,976,000,000	1.94%	104.70 344.75	Notional 318,482,342,7 247,568,345,5	Asset Typ	e Asse	et Cls	GICS Sec		Notional		C	o ♂ ≡
RIC ESN.S OG.S OVN.S	BBG NESN SE E ROG SE Eq NOVN SE E	NESTLE N C	Name	2,976,000,000 702,562,700	1.94%	104.70 344.75 95.82	Notional 318,482,342,7 247,568,345,5 210,402,306,9	Asset Typ Asset Typ Ordinary Shares Genussscheine	e Asse	et CIs	GICS Sec	ctors by M	lotional	nds Upcomi Health Care	C	• • • •
RIC ESN.S OG.S OVN.S 203.T	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq	NESTLE N C	Vame CORD LDING PAR N ORD DTOR ORD	2,976,000,000 702,562,700 2,527,374,820	1.94% 1.51% 1.28%	104.70 344.75 95.82 7,758.00	Notional 318,482,342,7 247,568,345,5 210,402,306,9 161,362,602,3	Asset Typ Asset Typ Ordinary Shares O9 Ordinary Shares	e Asse s EQU s EQU s EQU s EQU s EQU	et Cls	GICS Sec		lotional		C	o ♂ ≡
	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E	NESTLE N C	Vame	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492	1.94% 1.51% 1.28% 0.98%	104.70 344.75 95.82 7,758.00 589.90	Notional 318,482,342,7 247,568,345,5 210,402,306,9 161,362,602,3 155,471,847,3	Asset Typ Asset Typ Ordinary Shares Ordinary Shares Ordinary Shares Ordinary Shares	e Asse s EQU s EQU s EQU s EQU s EQU s EQU	et CIs Six Six Six Six TOF	GICS Sec	ctors by N	ls		C	● ♂ = onsumer iscretionary
RIC IESN.S OG.S IOVN.S 203.T ISBA.L	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E SAP GY Eq	NESTLE N C ROCHE HOL NOVARTIS N TOYOTA MC HSBC HOLD	Name DRD LDING PAR N ORD DTOR ORD DINGS ORD	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492 20,189,694,822	1.94% 1.51% 1.28% 0.98% 0.95%	104.70 344.75 95.82 7,758.00 589.90 126.80	Notional 318,482,342,7: 247,568,345,51 210,402,306,91 161,362,602,3 155,471,847,3: 135,193,431,2:	Asset Typ Asset Typ Ordinary Share Genussscheine Ordinary Share Ordinary Share Ordinary Share	e Asse s EQU s EQU s EQU s EQU s EQU s EQU s EQU s EQU	six six six tok Lon	GICS Sec	ctors by N	Notional	Health Card	e C	Oil, Gas &
RIC ESN.S OG.S OVN.S 203.T SBA.L APG.DE SML.AS	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E SAP GY Eq ASML NA E	NESTLE N C NESTLE N C NOVARTIS N NOVARTIS N HSBC HOLD SAP ORD	Vame	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492 20,189,694,822 1,228,504,232	1.94% 1.51% 1.28% 0.98% 0.95% 0.82%	104.70 344.75 95.82 7,758.00 589.90 126.80 292.30	Notional 318,482,342,7 247,568,345,51 210,402,306,91 161,362,602,31 155,471,847,31 135,193,431,21 134,977,304,9	Asset Typ Asset Typ Cordinary Share Gordinary Share Ordinary Share Ordinary Share Ordinary Share Ordinary Share Ordinary Share	e Asse s EQU s EQU s EQU s EQU s EQU s EQU s EQU s EQU s EQU	et Cls SIX SIX SIX TOH LON XET	GICS Sec	ctors by M nancia	lls Di	Health Care	e Ciemica Chemica Metals 8	onsumer iscretionary Energy
RIC IESN.S OG.S IOVN.S 203.T ISBA.L APG.DE SML.AS ZN.L	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E SAP GY Eq ASML NA E AZN LN Eq	NESTLE N C NESTLE N C NOVARTIS N TOYOTA MC HSBC HOLD SAP ORD ASML HOLD	Vame	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492 20,189,694,822 1,228,504,232 425,659,415	1.94% 1.51% 1.28% 0.98% 0.95% 0.82% 0.82%	104.70 344.75 95.82 7,758.00 589.90 126.80 292.30 7,626.00	Notional 318,482,342,7 247,568,345,5 210,402,306,9 161,382,602,3 155,471,847,3 135,193,431,2 134,977,304,9 130,597,681,1	Asset Typ Condinary Share Ordinary Share	e Asse s EQU s EQU	et Cls SIX SIX SIX TOP LON XET EUF	GICS Sec	ctors by N	lls Di	Health Card	e Di	onsumer iscretionary Energy
RIC ESN.S OG.S OVN.S 203.T SBA.L APG.DE SML.AS ZN.L VMH.PA	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E SAP GY Eq ASML NA E AZN LN Eq MC FP Equ	NESTLE N C NESTLE N C NOVARTIS N NOVARTIS N HSBC HOLD SAP ORD ASML HOLD ASTRAZENT	Vame	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492 20,189,694,822 1,228,504,232 425,659,415 1,311,882,856	1.94% 1.51% 1.28% 0.98% 0.95% 0.82% 0.82% 0.82%	104.70 344.75 95.82 7,758.00 589.90 126.80 292.30 7,626.00 421.55	Notional 318,482,342,7 247,568,345,51 210,402,306,94 161,362,602,3 135,193,431,2 135,193,431,2 134,977,304,9 130,597,681,11 127,128,697,2	Asset Typ Cordinary Share: Cordinary Sha	e Asset s EQU	et CIs Six Six Six TOH LON XET EUF LON	GICS Sec Banks Fi Insurar Mac	nce	Notional	Health Care	e Ciemica Chemica Metals 8	OII, Gas & Energy
RIC IESN.S OG.S IOVN.S 203.T ISBA.L APG.DE	BBG NESN SE E ROG SE Eq NOVN SE E 7203 JT Eq HSBA LN E SAP GY Eq ASML NA E AZN LN Eq MC FP Equ	NESTLE N CA ROCHE HOL NOVARTIS N HSBC HOLD SAP ORD ASTRAZENE LVMH ORD AIA ORD	Vame	2,976,000,000 702,562,700 2,527,374,820 3,262,997,492 20,189,694,822 1,228,504,232 425,659,415 1,311,882,856 505,431,285	1.94% 1.51% 1.28% 0.98% 0.95% 0.82% 0.82% 0.82% 0.80% 0.78%	 104.70 344.75 95.82 7,758.00 589.90 126.80 292.30 7,626.00 421.55 80.20 	Notional 318,482,342,7 247,568,345,5 210,402,306,9 161,362,602,3 155,471,847,3 135,193,431,2 134,977,304,9 134,977,304,9 134,977,304,9 134,597,681,1 127,128,697,2 124,832,043,4	Asset Typ Ordinary Share: Genusscheine Gordinary Share: Ordinary Share: Ordinary Share: Ordinary Share: Ordinary Share: Ordinary Share: Ordinary Share:	e Asset s EQU s EQU	et CIs Six Six Six TOH LON XET EUF LON EUF	GICS Sec Banks Fi Insurar Mac	ctors by M nancia	Notional	Health Caro rod P Consumer Staples	e Ciemica Chemica Metals 8	OII, Gas & Energy

CAPABILITIES

The ULTUMUS Enterprise Benchmark Data Service (EBDS) is the leading managed data solution to collect, normalise, validate, enrich and deliver ready benchmark weightings and index levels for usage in your in-house or third party systems.

400+ Global Index data providers including MSCI, S&P, FTSE/RUSSELL, STOXX, ICE, BLOOMBERG and all required niche data sources.

Full Index Life Cycle Management - Historic, Open, Close, T+ and Rebalance Information.

24hr event driven data processing.

 $\label{eq:standard} \mbox{Standard Interfaces for SimCorp Dimension, Goldensource, Itiviti and Horizon Software.}$

Cross Reference codes/symbology across all products.

Independent Corporate Actions Feed.

Visibility on all validation undertaken.

Republished data available immediately via API, GUI and CSV.

Zero-install - visualisation UI for Index data management.

ESG and BMR data mapped in on request.

24 hour globally deployed support.

Index Rebalance Toolset and Automation.

BENEFITS

Risk Reduction

ULTUMUS EBDS reduces operational and market risk by providing accurate, timely and independently calculated index data, ready for market open, flagged for discrepancies and formatted to clients' requirements.

Easy Deployment and Migration

Streamlined data model and calculation methodology allows simple implementation and migration within budget and timeline.

🕑 Tools

Additional tools such as the ULTUMUS View UI and rebalance tool kit available at no additional cost for front and middle office performance, risk and portfolio teams.

Increased Service Level

Dedicated SLA

 Robust Trading Decision Support Built-in hedging, basket modelling and T+ forecasting.

Reporting and Data Provenance The ULTUMUS platform allows for complete control and audit usage of index data, enabling license restriction and compliance.

📀 Compliance Ready

Permits flagging for BMR and 871m compliance.

- The First Enterprise Ready Index Solution Front to Back ULTUMUS EBDS can be used across both asset management and trading recognising significant cost savings.
- Support

Global 24hr support for all financial markets.

Professional Services

Dedicated implementation support and consultancy on benchmark selection, calculation and analysis.



DEPLOYMENT MODEL

ULTUMUS CLIENT SIDE 42 STANDARDS INDEX OF THOM TRADING **RISK** P DU DENOUNCED DEND DATA PERFORMANCE RAW DATA

CREDENTIALS

» Index Data Expertise

The ULTUMUS team is a group of industry experts with hands on experience in the usage and application of index benchmark data and technology across all aspects of trading, risk and performance.

» Validation

Ground-up calculation and flagging of data issues.

» Innovation

ULTUMUS is fully committed to the constant innovation of cutting-edge, cloud-based technology in support of index data management.

» Trusted Provider

Global data provider to leading investment banks, asset managers and exchanges with over 20 years of experience delivering leading technology and index data processing.

ULTUMUS

ULTUMUS are the leading ETF and Index data specialists with offices in London, Singapore and San Francisco. The firm is technology driven implementing the latest cloud-based technology in support of Index and ETF trading, asset management and asset servicing. ULTUMUS's market presence is global and expands across all business functions of a financial institution that require accurate, reliable and timely Index and ETF data. The combination of data, technology and expertise has shaped the DNA of the firm and is at the heart of everything it does.

LONDON SINGAPORE SAN FRANCISCO

a SIX company

+44 203 998 2501

+65 69716364

+1 (408) 7865199

www.ultumus.com

info@ultumus.com

🔇 +44 (0) 203 998 2500