

Regional Workshop on Statistical Business Registers and Industrial Classifications

Amman, Jordan, 25 – 27 June 2024

Session 10: UNSD-OECD Multinational Enterprise Information Platform (MEIP)

Zhiyuan Qian, UNSD



Shared Prosperity Dignified Life



Multinational Enterprise Information Platform

A joint initiative between OECD and UNSD

Brings together previous projects:

- Global Groups Register (GGR) from UNSD
- Analytical Database on Individual Multinationals and Affiliates (ADIMA) from the OECD (Organisation for Economic and Co-operation and Development)

MEIP

UNSD: <https://unstats.un.org/unsd/business-stat/mne-platform/>

OECD: <https://www.oecd.org/sdd/its/mne-platform.htm>



Shared Prosperity Dignified Life



Multinational Enterprise Information Platform

Why have an MNE information platform?

- SBRs naturally focus first on the largest enterprises
- MNEs have been at the forefront of changes in the global economy
- Understanding their structure and behavior fundamental to consistency in global statistics / can help resolve discrepancies in trade data
- Facilitates analysis of globalization's impact on global value chains (GVCs)
- Provides transparency to the public

Multinational Enterprise Information Platform

Methodology

- Developed from a number of timely, publicly available data sources
- Platform combines traditional (i.e. annual reports) and alternative (i.e. webpage metadata) sources
- Includes review of websites, social media profiles, apps
- Advanced data techniques to match records (i.e. fuzzy matching)
- Freely available to the public

Multinational Enterprise Information Platform

Methodology

More on “fuzzy” or “approximate string matching”



Lee	Leighton	Alter Image	131 Sundown Close
L	Leighton	Alter Image Ltd	131 Sundown Rd
Emma	Wrighte	Write Way	280 Bath road
E	Wright	The Write Way	280 Bath rd
Emma	Wright	The Write Way Ltd	280 Bath road
William	Giles	Social & Military Club	78 Ford St
Bill	Giles	S & M Club	78, Ford Street

Multinational Enterprise Information Platform

Sources

- **OpenCorporates**

Combines information from various business registers

Example: <https://opencorporates.com/companies/nl/28071597>

- **Legal Entity Identifier**

Example: <https://search.gleif.org/#/record/LUZQVYP4VS22CLWDAR65>

- **PermID**

Example: <https://permid.org/1-4298454609>

[CommonCrawl](#)

[OpenStreetMap](#)

[CorpWatch](#)

[PeopleDataLabs](#)

[Crunchbase](#)

[GDELT](#)

[Sectigo \(crt.sh\)](#)

[Tranco](#)

[WebDataCommons](#)

[OpenOwnership](#)

[WikiData](#)



Shared Prosperity Dignified Life



Multinational Enterprise Information Platform

Contents

- **Global register**

Covering the structure of the 500 largest MNEs by providing information on the MNE's head, their subsidiaries, their location and their ownership structure when available

- **Digital register**

Covering the web presence of MNEs around the world by providing a list of connected websites and their relative importance determined by the number of visitors and the importance of links to their website (page rank)

- **Media monitor**

Covering media articles relating to the largest 500 MNEs for 2022 and 2023. The aim of this data is to provide indications of significant events for each given company, such as mergers, acquisitions, restructuring, and investment

Multinational Enterprise Information Platform

Global Register

+120,000 subsidiaries from 500 MNEs

- Name
- Identifiers
- Addresses
- Alternative names
- Hierarchy information where available

Metadata, country codes also included

Multinational Enterprise Information Platform

Global Register

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Parent MNE	Heirarchy	ISO3	Subsidiary Name (Clean)	Business ID	OpenCorporates	LEI	PermID	Alternative Names	Address	Complexity of Discovery	Subsidiary Name (with Heirarchy)	Parent of Subsidiary
1	3M Co	MNE Head	USA	3M COMPANY	USBR:690120,US_DEBR:262413,US_DEBR:286252		LUZQVYP4VS4297925861			C/O CORPORATI	0	3M COMPANY	
2	3M Co	Known	NLD	3M International Group B.V.	NLBR:28071597	nl/28071597	549300YGYN4298454609			Molengraaffsing	1	3M International Gro	3M COMPANY
3	3M Co	Known	IND	3M INDIA LIMITED	INBR:L31300KA1987PLC013	in/l31300ka1987plc	25490097AW4295872457			Plot No 48-51 El	1	3M INDIA LIMITED	3M COMPANY
4	3M Co	Known	GBR	3M ASIA PACIFIC UK HOLDING LTD	GBBR:09908024	gb/09908024	549300S9N05052542857			3M CENTRE CAI	1	3M ASIA PACIFIC UK	3M COMPANY
5	3M Co	Known	IND	KCI Medical India Private Limited	INBR:U51397DL2010FTC207	in/u51397dl2010ftc	254900DE8JS5035086027			S - 327 Greater K	2	KCI Medical India Pri	3M COMPANY
6	3M Co	Known	CAN	3M CANADA COMPANY-COMPAGNIE 3M	CA_NSBR:3295362		549300KSEL60SG67Q093			SUITE 600-1741	2	3M CANADA COMPA	3M COMPANY
7	3M Co	Known	NLD	3M International Holding B.V.	NLBR:28073700	nl/28073700	549300LE33V5057752107			Molengraaffsing	1	3M International Hol	3M COMPANY
8	3M Co	Known	LUX	3M Asset Management S.à r.l.	LUBR:B110230	lu/b110230	ASM22WAF500004581C			412F, route d'Esc	2	3M Asset Managem	3M COMPANY
9	3M Co	Known	USA	3M FINANCIAL MANAGEMENT COMPAN	US_DEBR:780037	us_de/780037	EXHERR3JLL5000019317			C/O CORPORATI	1	3M FINANCIAL MAN	3M COMPANY
10	3M Co	Known	USA	3M INVESTMENT MANAGEMENT CORPC	US_DEBR:3093619	us_de/3093619	HDLH5VNIBC500004388C			C/O CORPORATI	2	3M INVESTMENT MA	3M COMPANY
11	3M Co	Known	CHE	3M (Schweiz) GmbH	CHBR:214278	ch/214278	UIJ02RCQ34296633737			Eggstrasse 91 Rü	2	3M (Schweiz) GmbH	3M COMPANY
12	3M Co	Known	IND	3M SOUTH ASIA MANUFACTURING PRIV	INBR:U74120MH2012PTC23	in/u74120mh2012pt	25490044195073673512			No.1111, 1st Flr,	2	3M SOUTH ASIA M	3M International
13	3M Co	Known	LUX	3M Global Capital S.à r.l.	LUBR:B110189	lu/b110189	9CEFEG01A8500001633C			412F, route d'Esc	2	3M Global Capital	3M International
14	3M Co	Known	IND	3M Electro & Communication India Priva	INBR:U31909PY1989PTC001	in/u31909py1989ptc	254900570XJ5073151462			No. 95, (Plot No	2	3M Electro & Cor	3M INDIA LIMITE
15	3M Co	Known	TWN	3M Taiwan Limited			549300ANEI5000067206		3M Taiwan Ltd,3M Taiwan	3 F., No. 198, Jin	1	3M Taiwan Limite	3M ASIA PACIFIC
16	3M Co	Unknown		3M Canada Co Compagnie 3M Canada			5081168385				1	3M Canada Co Compagnie	3M Canada
17	3M Co	Unknown	ARE	KCI Medical Middle East & Africa FZE			5000669614		KCI Medical Middle East ar	Dubai Airport Fre	4	KCI Medical Middle East & Africa FZE	
18	3M Co	Unknown	ARG	3m Argentina SACIFIA			5000059881			Argentina	3	3m Argentina SACIFIA	
19	3M Co	Unknown	AUT	3M Oesterreich Gesellschaft m.b.H.			500006727C		3m Oesterreich Gesellscha	Euro Plaza, Geba	2	3M Oesterreich Gesellschaft m.b.H.	
20	3M Co	Unknown	AUT	3M Precision Grinding GmbH			5080514959				1	3M Precision Grinding GmbH	
21	3M Co	Unknown	AUS	3M Australia Pty Ltd	AUBR:000100096	au/000100096	4297399696			NORTH RYDE, N	1	3M Australia Pty Ltd	
22	3M Co	Unknown	BEL	KCI Polymedics	BEBR:0452683261	be/0452683261	5000668653		Kci Polymedics BVBA	Ambachtslaan 10	6	KCI Polymedics	
23	3M Co	Unknown	BEL	3M Belgium BVBA	BEBR:0402683721	be/0402683721	8945000BN45000067274			Hermeslaan 7 M	2	3M Belgium BVBA	
24	3M Co	Unknown	BEL	3M Belgium bvba/sprl							1	3M Belgium bvba/sprl	
25	3M Co	Unknown	BEL	3M Europe NV			4298251163			Hermeslaan 7 M	2	3M Europe NV	
26	3M Co	Unknown	BRA	KCI BRASIL	BRBR:10918419000180	br/10918419000180			KCI Brasil Importadora e Distribuidora de Pr		6	KCI BRASIL	
27	3M Co	Unknown	BRA	INSTITUTO 3M	BRBR:07881222000100	br/07881222000100					3	INSTITUTO 3M	
28	3M Co	Unknown	BRA	3M INT GROUP BV	BRBR:26466418000182						3	3M INT GROUP BV	
29	3M Co	Unknown	BRA	3M INT HOLDING	BRBR:21058642000111						3	3M INT HOLDING	



Multinational Enterprise Information Platform

Digital Register

~50,000 websites from 500 MNEs

- Domain name
- Location (top level domain, i.e. “.ar”, and country code)
- Measures of importance
 - Page rank/number of visitors
 - “Harmonic centrality”



Multinational Enterprise Information Platform

Digital Register

	A	B	C	D	E	F	G	H	I	J
1	Parent MNE	Domain	TLD	Jurisdiction	Tranco Rank	Page Rank Value	Page Rank Position	Harmonic Centrality Value	Harmonic Centrality Position	Domain Distance
2	3M Co	3m.com.ar	.ar	ARG		2.56952E-08	2006532	12492051	17470086	2
3	3M Co	3m.com.au	.au	AUS	375644	7.65424E-08	547896	14510658	823303	2
4	3M Co	3m.com.bo	.bo	BOL		1.12499E-08	5677868	12446250	18072043	2
5	3M Co	3m.com.br	.br	BRA	686949	3.46844E-08	1496264	14246451	1461529	2
6	3M Co	3m.com.by	.by	BLR		1.74595E-08	3155849	12445960	18076030	2
7	3M Co	3m.ca	.ca	CAN		2.60098E-08	1980889	13128450	11947962	2
8	3M Co	3mcanada.ca	.ca	CAN	208307	2.54959E-07	146722	14612913	675093	3
9	3M Co	meguiars.ca	.ca	CAN		1.53917E-08	3718094	13781567	6456759	4
10	3M Co	3mschweiz.ch	.ch	CHE		1.01936E-07	394175	14246393	1461792	4
11	3M Co	3m.com.cn	.cn	CHN	140324	1.99039E-07	191963	14193487	1742666	2
12	3M Co	3m.com.co	.co			1.94076E-08	2761742	12491138	17478697	2
13	3M Co	3m.com	.com		3728	7.87739E-06	4260	17845038	5037	1
14	3M Co	3munitek.com	.com			2.6336E-08	1955168	12502879	17317059	5
15	3M Co	acelity.com	.com		539607	1.05983E-07	377863	16771517	222124	5
16	3M Co	attentigroup.com	.com			8.13966E-08	512817	13819099	6149915	5
17	3M Co	capitalsafety.com	.com			7.89348E-08	529509	13814938	6172012	9
18	3M Co	cuno.com	.com			9.86398E-09	6898230	13933776	4671474	3
19	3M Co	kci-medical.com	.com			9.51035E-09	7310233	12242759	22176781	3
20	3M Co	meguiars.com	.com		144246	1.8814E-07	204793	14242449	1484152	3
21	3M Co	mmm.com	.com		25545	2.31747E-07	162024	14889771	467590	2

Multinational Enterprise Information Platform

Media Monitor

+ 10 million media articles

- New to this release
- Track major events related to MNE
- Future potential for ML to assist in interpreting/organizing

Multinational Enterprise Information Platform

Media Monitor

Global Register
Digital Register
Media Monitor

Multinational Enterprise Information Platform

Media Monitor

Select Multinational

Parent MNE

Search

- 3M Co
- Abb Ltd
- Abbott Laboratories
- Abbvie Inc
- Abu Dhabi National Energy Company...
- Accenture PLC

Count of url by Year, Quarter, Month and Day

Selected MNEs

Media Articles

↑ ↓ ↕ ↻ 0 ≡ ↗

MEIP_MNE	date	url	title	score	magnitude	avgSalience
3M Co	Friday, June 23, 2023	Is the Long Decline of 3M Stock Coming to an End?		-0.10	4.90	0.70
3M Co	Friday, June 23, 2023	Why I Went Bargain Hunting and Bought More Shares of This 5.9%-Yielding Dividend King		0.00	13.60	0.65
3M Co	Friday, June 23, 2023	3M Will Pay Up to \$12.5B to Settle Lawsuits Over Water Contamination		-0.10	5.30	0.63
3M Co	Friday, June 23, 2023	3M reaches tentative \$10.3 billion deal over US 'forever chemicals' claims		-0.10	6.40	0.61
3M Co	Friday, June 23, 2023	3M makes \$10.5B settlement in 'forever chemical' cases involving drinking water		-0.20	15.80	0.59
3M Co	Friday, June 23, 2023	3M Co reaches US\$10.3bn 'forever chemicals' settlement		-0.20	1.80	0.51
3M Co	Friday, June 23, 2023	3M makes \$10.5B settlement in 'forever chemical' cases involving drinking water		-0.20	15.90	0.51
3M Co	Friday, June 23, 2023	3M makes \$10.5B settlement in 'forever chemical' cases involving drinking water		-0.20	15.90	0.51
3M Co	Friday, June 23, 2023	3M agrees to pay \$10.3 billion to settle 'forever chemicals' drinking water lawsuits Environment		-0.20	5.40	0.42
3M Co	Friday, June 23, 2023	3M agrees to pay \$10.3 billion to settle 'forever chemicals' drinking water lawsuits Consumer Watch		-0.20	5.40	0.42
3M Co	Friday, June 23, 2023	3M agrees to pay \$10.3 billion to settle 'forever chemicals' drinking water lawsuits News		-0.20	5.40	0.42
3M Co	Friday, June 23, 2023	Chemical group 3M closes billions of dollars in the US for pfer		-0.20	4.40	0.40

Multinational Enterprise Information Platform

Dashboard

Dashboard

Global Register | Digital Register | Media Monitor

Multinational Enterprise Information Platform
Global Register

Selected MNEs: 1 | Selected Subsidiaries: 7 | Selected Jurisdictions: 1

Select Multinational
Parent MNE
Search

- 3M Co
- Abb Ltd
- Abbott Laboratories
- Abbvie Inc
- Abu Dhabi National Energy Company...
- Accenture PLC

Count of Subsidiaries per Multinational (Ctrl + Click for multiple selections)

Parent MNE	Subsidiary Name (Clean)	ISO3	OpenCorporates	LEI	PermID	BU:
3M Co	3M Health Care Ltd	JPN			5000059865	
3M Co	3M Japan Holdings Co	JPN			5050307900	
3M Co	3M Japan Holdings G.K.	JPN			5080198052	
3M Co	3M Japan Innovation Limited	JPN			5000047159	
3M Co	3M Japan Innovation Ltd	JPN				
3M Co	3M Japan Products Limited	JPN			5050307923	
3M Co	Yamagata 3m Ltd	JPN			5000016266	

Count of Subsidiaries per Region (Ctrl + Click for multiple selections)

UN Country or Area1: Japan
Count of Subsidiary Name (Clean): 7
Count of Subsidiary Name (Clean): 7

OECD

United Nations Statistics Division

United Nations Department of Economic and Social Affairs Statistics

Multinational Enterprise Information Platform

Next Steps

Reduce resource burden

- Auto data extraction and processing from PDFs?
- AI tools to automate queries, i.e. is x a subsidiary of y?

Widen scope

- Additional variables - employment, investment, turnover
- Include more MNEs

Improved timeliness

NLP to classify news events

Link MEIP with Global Initiative on Unique IDs

Provide framework for users to profile other companies of interest

- Native cloud-based database on the UN Global Platform

Multinational Enterprise Information Platform

Questions/Discussion

1. Do you think the MEIP could be a useful resource in your work?
2. Would it be useful to have a platform to profile other companies not in the top 500 MNEs?
3. What else would you like to see from an MNE platform?



Thank you!

شكراً !



Shared Prosperity Dignified Life

