



OECD-UNSD Multinational Enterprise Information Platform

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A co-operation between OECD and UNSD

- Understanding the structure and behaviour of MNEs is fundamental to the production of **consistent global statistics** and understanding **GVCs**
- Have combined to create the **OECD-UNSD Multinational Enterprise Information Platform**
- Have made data **publicly available**, for NSOs, researchers and the general public alike as compiled from timely open-source information.



Framework

Smart data platform to bring together a range of sources from the traditional (eg. Annual Reports) to alternative (eg. Metadata from webpages).

Requires advanced data handling to match records, and new storage methods such as graph databases to query.

Our database covers the universe of firms, but manual data capture and validation is required – so our initial release is limited to the largest 500 MNEs globally.



Data available











Currently for the largest 500 MNEs:

- **Global Register**: 123K subsidiaries including location, ownership structure and identifiers (Business Registry, OpenCorporates, LEI, PermID) when available.
- **Digital Register**: 113K websites with measures to determine their importance

The image features a central globe with a network of glowing green and white nodes and lines overlaid on it, set against a dark, starry space background with light trails. A large blue diagonal banner covers the bottom-left portion of the image.

Data sources and Construction

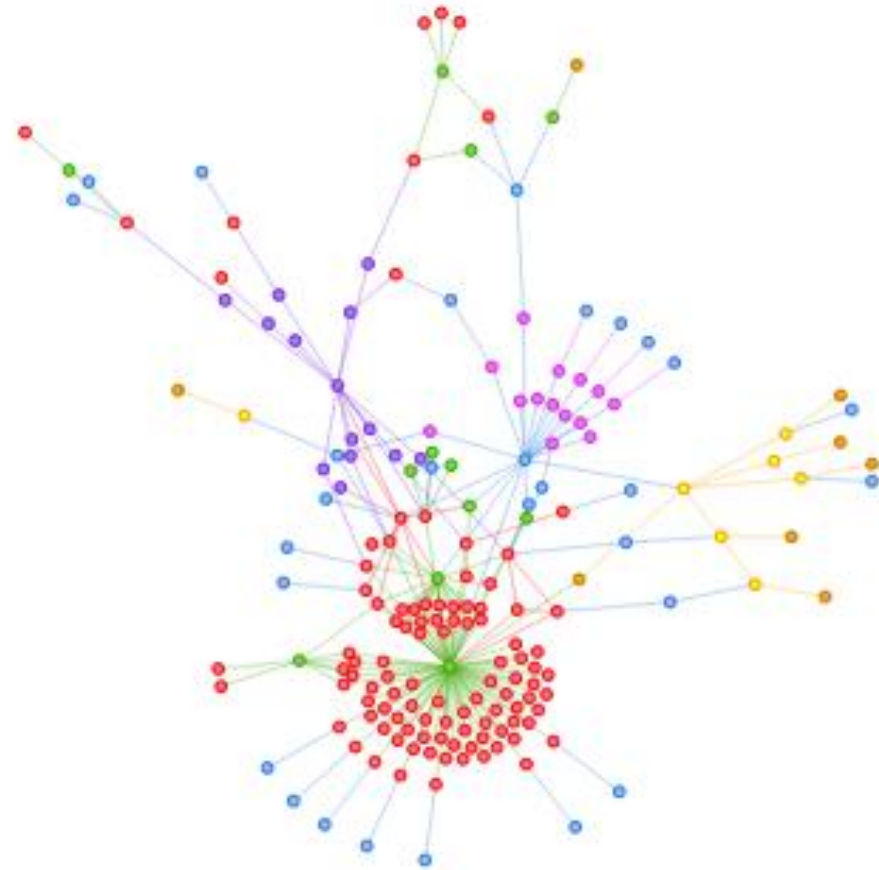
Data Sources

Data Source	Description
  Annual Reporting	Annual reports give details of financials and reporting scope. Manually captured.
 PermID	Database of companies made available by Thomson Reuters.
 Legal Entity Identifier	Database of companies engaging in financial transactions along with relationships.
 Security Certificates	Database of websites and the security certificate which exists on the site
 Common Crawl	Database of websites: metadata, underlying links and importance of each site
 Wikidata	Database of companies from Wikidata, including websites, relationships and daily page views
 GDELT Project	Database of global news and events, fully searchable by time period and phrase
 Open Street Map	Database of geographic locations (eg. Shops, Factories etc).
 Crunchbase	
Country Specific	Finland: WHOIS register UK: Persons of Significant Control, Gender Pay Gap, ICO, Modern Slavery US: Visa requests, Emails assigned to business registers



Construction

- Graph database:
 - Points are identifiers for a company
 - Lines are connections
 - Profile for an MNE is generated via a search algorithm for connected points from the root.
- Problems:
 - Find unique companies
 - Joint ventures



Outputs and policy use



Dashboard

- Select a company and explore the available information:

OECD UNSD
Multinational Enterprise Information Platform
Global Register

Selected MNEs
500

Selected Subsidiaries
123.0...

Selected Jurisdictions
218

Select Multinational

- 3M Co
- Abb Ltd
- Abbott Laboratories
- Abbvie Inc
- Abu Dhabi National Energy Company PJSC
- Accenture PLC
- Activision Blizzard Inc
- Adidas AG
- Adobe Inc

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

Parent MNE	Subsidiary Name (Clean)	ISO3	OpenCorporates
3M Co	3 M Cesko spol s ro	CZE	cz/41195698
3M Co	3M (East) AG	CHE	ch/214276
3M Co	3m (New Zealand) Ltd	NZL	nz/88726
3M Co	3M (Schweiz) GmbH	CHE	ch/214278
3M Co	3m A/S	DNK	dk/43335316
3M Co	3m Argentina SACIFIA	ARG	
3M Co	3M Asia Holding B.V.	NLD	nl/64706834
3M Co	3M ASIA PACIFIC UK HOLDING LTD	GBR	gb/09908024
3M Co	3M Asset Management S.à r.l.	LUX	lu/b110230
3M Co	3M Australia Pty Ltd	AUS	au/000100096
3M Co	3M Belgium BVBA	BEL	be/0402683721
3M Co	3M Belgium bvba/sprl	BEL	

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

The names of countries and territories, representations and specific territorial disclaimers used in this joint publication follow the practice of the United Nations.

Department of Economic and Social Affairs
Statistics



News monitor: identifying key events

- Daily news articles for Adobe Inc.



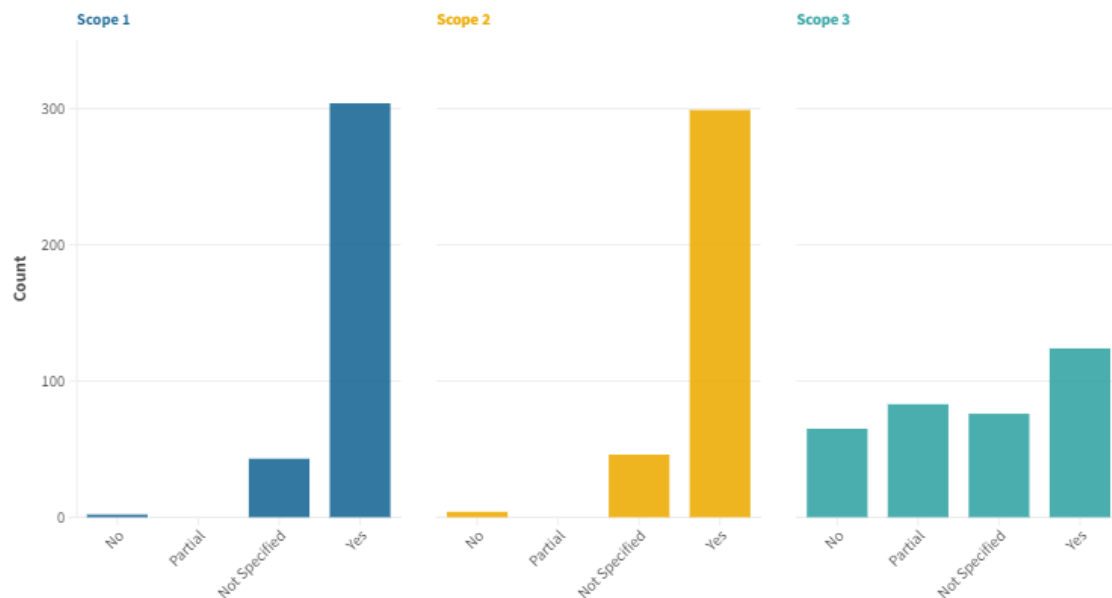
- Articles during period of interest suggest M&A activity:

date	title	Sum of avgSalience
9/16/2022 8:01:38 PM	Adobe Set To Acquire Web-Based Design Platform Figma For \$20 Billion	0.57
9/16/2022 11:47:13 AM	Adobe's Product Chief Explains Its \$20 Billion Bid for Figma	0.49
9/16/2022 5:17:00 PM	Adobe (NASDAQ:ADBE) Price Target Raised to \$388.00	0.49
9/16/2022 2:17:02 AM	Adobe se fusionará con su rival en diseño, Figma; la compra será por 20 billones de dólares	0.44
9/16/2022 6:32:59 PM	The Adobe-Figma Combination Bodes Well For Collaboration In And Beyond Design	0.42
9/16/2022 12:48:11 PM	Adobe acquires Figma design platform for \$20B	0.40

Russia-Ukraine impacts and climate change commitments

- Reaction to Russia-Ukraine conflict has determined by region and industry in many cases

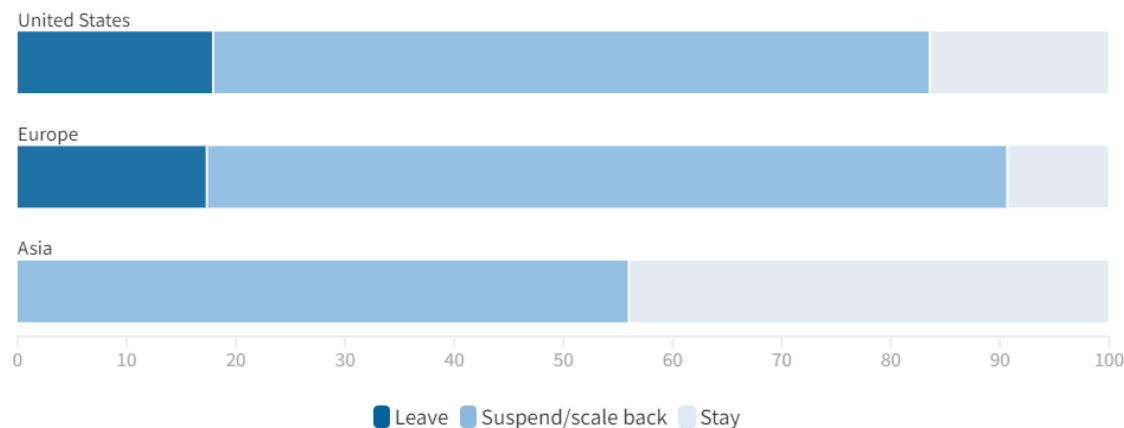
Figure 4: Emissions reduction by scope
Number of MNEs declaring targets for scopes 1, 2 and 3



Source: OECD UNSD Multinational Enterprise Information Platform, <https://zerotracker.net/>, author's calculations



Figure 2B. The response to the war was uneven by the source region
Number of MNEs



- Most MNEs have made targets for reduction of emissions in Scope 1 and 2, however Scope 3 targets are limited.



Uses for measuring resilience?

- Given issues in country X which large companies headquartered in my jurisdiction are likely to experience problems?
- Identify major events for large companies headquartered in my jurisdiction
- Identify companies operating primarily digitally within your jurisdiction (lower barriers to change)



THANK YOU

Download the data and explore the
dashboard: bit.ly/mne-platform



@OECD_Stat



OECD Statistics



www.oecd.org/sdd



www.stats.oecd.org