An abstract network diagram with nodes and lines. The nodes are represented by small circles, some of which are highlighted with concentric circles. The lines are thin and curved, connecting the nodes in a complex, web-like structure. The colors of the lines and nodes range from light blue to yellow, creating a sense of depth and connectivity. The background is dark, making the network elements stand out.

# Gather data – gathered by others

Sandra Foresti MIJ 2024, Data journalism and visualization



# Definition

*“With journalistic purposes, use structured data to draw own conclusions”*

# Structured data?

Structured

Semi- structured

Unstructured

ID	Summary	Registration Date	Published Date
11075	Mick Davis - £20,000.00	2024-10-24	2024-10-27
11076	Chester Finance & Leasing (Environmental) Limited - £10,000.00	2024-10-24	2024-10-27
11077	Countywide Developments Limited - £50,000.00	2024-10-24	2024-10-27
11084	Sir Rocco Forte Ltd - £20,000.00	2024-10-26	2024-10-27
11073	Mr Roger Orf - £10,000.00	2024-10-24	2024-10-27
11066	Adam Management Holdings Limited - £25,000.00	2024-10-24	2024-10-24
11079	Blue WV Ltd - £3,797.27	2024-09-16	2024-10-24
11022	Benjamin Hoskin - £25,000.00	2024-10-23	2024-10-23
11065	College Street Partners Ltd - £5,000.00	2024-10-23	2024-10-23
11056	Stephen Mosley - £2,505.35	2024-10-22	2024-10-22

## Scrogham, Michelle (Barrow and Furness)

Scrogham, Michelle (Barrow and Furness)

### 1. Employment and earnings

Role, work or services: Partner in retail fashion business

Payer: Pure (Retail fashion), private address

Additional information: Any payments received will be listed below.

(Registered 15 July 2024)

### 2. (a) Support linked to an MP but received by a local party organisation or

Name of donor: Fiona Mactaggart

Address of donor: private

Amount of donation or nature and value if donation in kind: £51,000 to help fu

Donor status: individual

(Registered 1 August 2024)

### 2. (b) Any other support not included in Category 2(a)

Name of donor: GMB

Address of donor: Mary Turner House, 22 Stephenson Way, London NW12HD

Amount of donation or nature and value if donation in kind: £2,000

Date received: 13 June 2024

Date accepted: 13 June 2024

Donor status: trade union

(Registered 15 July 2024)

Name of donor: Labour Together

Address of donor: Millbank Tower, 21-24 Millbank, London SW1P 4QP

Amount of donation or nature and value if donation in kind: £10,000

Date received: 4 April 2024

Date accepted: 4 April 2024

A portrait of English mathematician [Alan Turing](#) has become the first artwork by a humanoid robot to be sold at auction, fetching US\$1.08m (£566,000, A\$1.63m) in New York on Thursday.

The 2.2 metre (7.5 feet) portrait, titled A.I. God. Portrait of Alan Turing, was created by Ai-Da, the world's first ultra-realistic robot artist. It smashed pre-sale expectations between \$120,000 and \$180,000 when it went under the hammer at Sotheby's, which confirmed that 27 bids were placed on the work.

"Today's record-breaking sale price for the first artwork by a humanoid robot artist to go up for auction marks a moment in the history of modern and contemporary art and reflects the growing intersection between AI technology and the global art market," the auction house said in a statement.

Ai-Da, which uses AI to speak, said: "The key value of my work is its capacity to serve as a catalyst for dialogue about emerging technologies."

Ai-Da added that a "portrait of pioneer Alan Turing invites viewers to reflect on the God-like nature of AI and computing while considering the ethical and societal implications of these advancements."

Easy to interview

Needs some work

Needs a lot of work

# Goal?

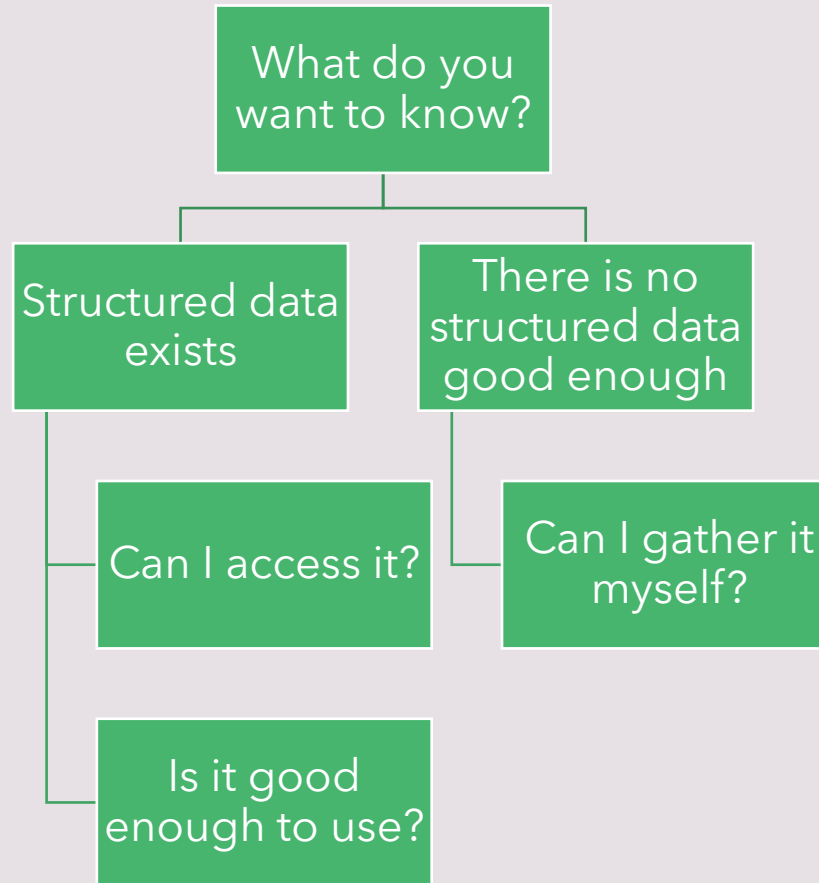
- Structured data
  - Structured in a way that makes an interview possible – depends on who/what will ask the questions
    - Computer program/app?
    - Human with experience in handling data?
    - Human new to handling data?
- The data types needed to answer my questions
  - Often interval data that is not aggregated the data that gives best possibilities to interview.
    - ...but often the most difficult to get if someone else have gathered the data.

# When is it what?

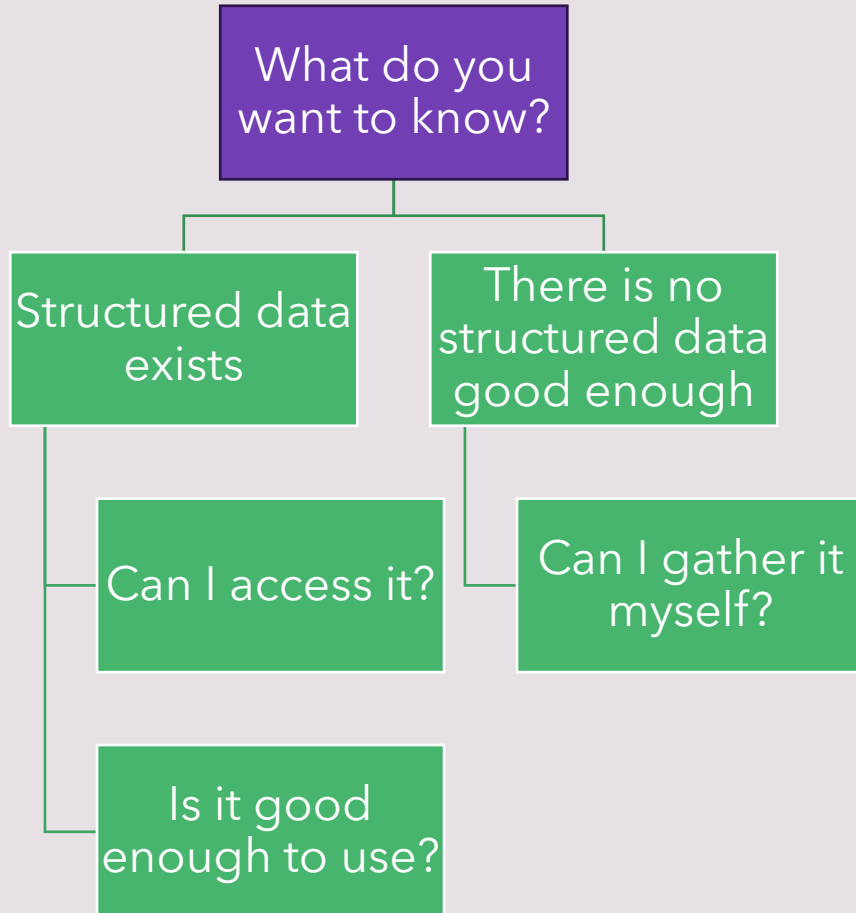
- QR -code  
OR
- Menti.com
- Code: 6506 0172



# Where to get that data?

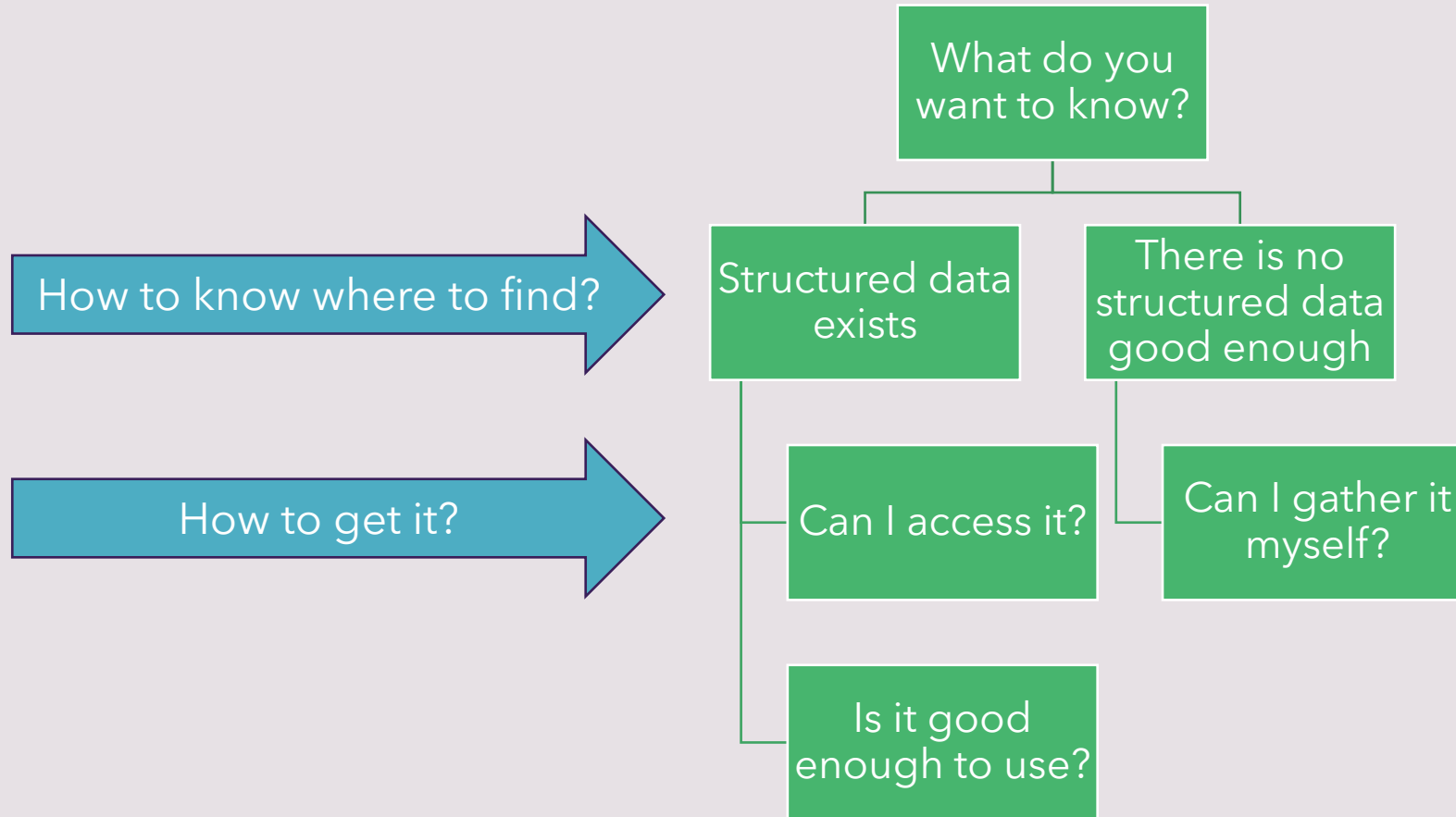


# Important question



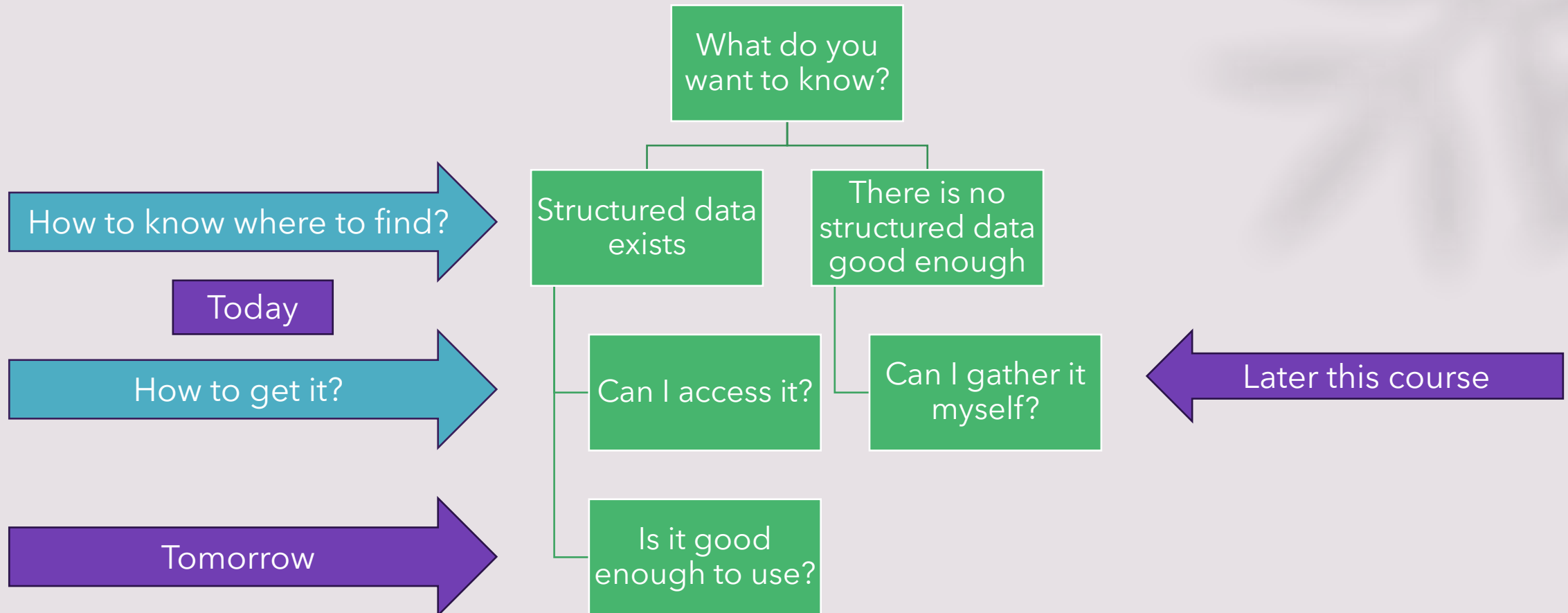
- Example: Unemployment rate
- Formulate a question to use when you search for data
- Think of
  - Population
  - Ways of measure the level

# Where to get that data?





# Where to get that data?



# Where to find and access existing structured data

Open  
data

Databases

FOIA-  
requests

# Open data



# Open data

- Active decision from the provider to open data
- Definition
  - Availability and Access
  - Re-use and Redistribution
  - Universal participation

# Example

[Start](#) / [Kommun och politik](#) / [Så arbetar Göteborgs Stad med](#) / [Digitalisering](#) / [Öppna data](#) / [Sök öppna data](#) / [Öppna data - datamängd](#)

## Luftkvalitet och meteorologiska data, månadsrapporter

Luftdata och meteorologisk information

**Utgivare**

Göteborgs stad

**Tema**

- Miljö
- Transport

**Nyckelord**

- Luftkvalitet
- Air quality

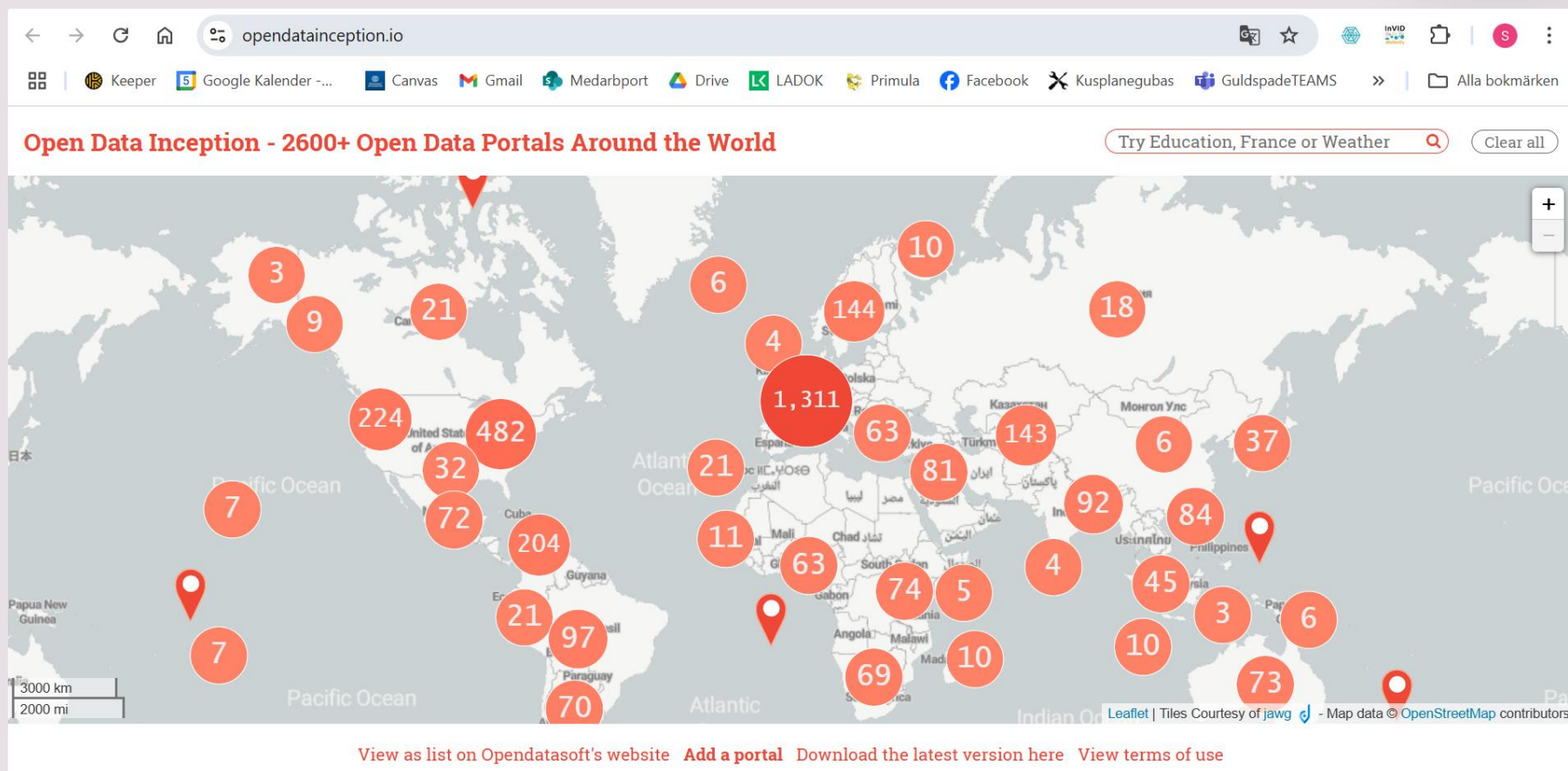
### Dataresurser

XLS	Månadsvärden februari 2024	Ladda ned	^
Titel		Månadsvärden februari 2024	
		en	

# Example

		A	B	C	D	E	F	G	H	I	J	K	L
		Datum	Femman NO [µg/m3]	Femman NO2 [µg/m3]	Femman NOx [µg/m3]	Femman PM10 [µg/m3]	Femman PM2.5 [µg/m3]	Femman O3 [µg/m3]	Haga NO [µg/m3]	Haga NO2 [µg/m3]	Haga NOx [µg/m3]	Haga PM10 [µg/m3]	Haga PM2.5 [µg/m3]
Stat L Lu Ut G Te N C	1	610 2024-10-26 08:00	6,53	32,02	41,99	15,86	13,92	61,36	1,96	13,70	16,69	13,05	11,43
		611 2024-10-26 09:00	0,78	12,97	14,15	15,08	13,23	84,77	2,28	11,89	15,37	13,03	11,21
		612 2024-10-26 10:00	0,74	14,02	15,16	17,50	15,40	84,50	2,06	12,09	15,24	14,25	12,53
		613 2024-10-26 11:00	-0,13	9,04	8,84	22,61	20,60	89,28	2,90	11,89	16,32	15,37	13,72
		614 2024-10-26 12:00	-0,35	8,07	7,55	21,19	18,99	88,22	3,46	11,26	16,55	14,25	12,49
		615 2024-10-26 13:00	0,22	11,95	12,29	15,79	13,63	78,95	1,67	10,64	13,20	14,44	12,45
		616 2024-10-26 14:00	0,12	10,42	10,61	23,40	20,75	86,32	2,16	10,59	13,89	15,61	13,83
		617 2024-10-26 15:00	-0,42	9,07	8,44	26,15	23,57	96,15	1,33	10,63	12,66	15,92	13,17
		618 2024-10-26 16:00	-0,70	10,59	9,53	23,78	20,74	96,46	1,13	11,82	13,55	15,49	12,39
		619 2024-10-26 17:00	-0,64	5,81	4,83	21,65	18,16	108,40	1,32	9,13	11,14	15,46	11,63
		620 2024-10-26 18:00	-0,66	5,68	4,67	23,05	19,28	108,23	1,49	7,47	9,74	16,66	13,05
		621 2024-10-26 19:00	-0,49	8,00	7,26	18,62	15,43	96,56	1,09	7,92	9,59	17,25	13,92
		622 2024-10-26 20:00	-0,53	9,94	9,14	20,45	18,01	83,28	0,72	8,50	9,61	19,48	16,69
		623 2024-10-26 21:00	-0,72	8,43	7,32	21,00	18,13	79,10	0,83	6,71	7,98	18,16	15,71
		624 2024-10-26 22:00	-0,57	6,03	5,17	20,44	17,92	88,14	0,69	4,74	5,80	20,08	17,53
		625 2024-10-26 23:00	-0,66	4,97	3,97	18,04	15,56	91,43	0,18	4,65	4,93	17,88	15,49
	626 2024-10-27 00:00	-0,79	3,39	2,18	15,50	13,59	98,54	0,08	3,43	3,56	15,54	13,55	
	627 2024-10-27 01:00	-0,56	3,15	2,30	16,94	14,90	101,44	0,11	3,49	3,65	17,36	15,06	
	628 2024-10-27 02:00	-0,65	3,66	2,66	20,76	18,06	103,32	0,06	3,84	3,93	20,65	18,12	
Titel		Månadsvärden februari 2024											
		en											

# Where to find open data?



# Where to find open data?

The screenshot displays the D4D.net website interface. On the left is a dark blue sidebar titled 'D4D Resource Centre' with a 'Filters' section. The filters include 'Area of Interest' (collapsed), 'Resource Type' (expanded), and a list of resource types: Case Study (1), Dataset (66, selected), Guidance (6), Guidelines, Platform (1), and Portal (1). The main content area has a white header with 'D4D.net Data for Development' and navigation links 'Home', 'About', and 'Act'. Below the header is a search bar with a magnifying glass icon, the text 'Search by keywords...', and buttons for 'Clear Search' and 'History Search'. The search results show 'OECD - 2022' at the top, followed by two buttons: 'Go to Resource' with an external link icon and 'Add to your collection' with a right arrow icon. Below these is the title 'DEMIG TOTAL' in blue. The description states: 'DEMIG TOTAL reports immigration, emigration and net migration flows for up to 161 countries covering various periods of time from the early 1800s to 2011, disaggregating total flows of citizens and foreigners whenever possible. The database allows for quantitative analysis of the long-term evolution of international migration.' At the bottom of the results, it says 'International Migration Institute - 1970'. On the right edge of the screenshot, a portion of a web browser is visible, showing a search bar with the text 'ther', a 'Clear all' button, and a map of the Pacific Ocean.

**D4D.net**  
Data for Development

Home About Act

**D4D Resource Centre**

**Filters**

**Area of Interest** ▾

**Resource Type** ▴

- ☐ Case Study (1)
- ☒ Dataset (66)
- ☐ Guidance (6)
- ☐ Guidelines
- ☐ Platform (1)
- ☐ Portal (1)

Search by keywords... Clear Search History Search

OECD - 2022

[Go to Resource](#) [Add to your collection](#)

**DEMIG TOTAL**

DEMIG TOTAL reports immigration, emigration and net migration flows for up to 161 countries covering various periods of time from the early 1800s to 2011, disaggregating total flows of citizens and foreigners whenever possible. The database allows for quantitative analysis of the long-term evolution of international migration.

International Migration Institute - 1970



3,744 records

No active filters

## Filters

Search records...

### Name

ABS Statistics	1
AGE Lopendatasite	1
AGRIS FAO	1
API-AGRO	1
ATB "Mikrokreditbank"	1
ATB "Qishloq qurilish bank"	1
> More	



## Open Data Inception

Explore

INFORMATION

TABLE

MAP

ANALYZE

EXPORT

API

Name	Organisation	URL	Description
Afganistan Open Data Project	Afghanistan	<a href="https://afghanistandataproject.o...">https://afghanistandataproject.o...</a>	
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>	
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>	
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>	

**3,744 records**

No active filters

## Filters

### Name

ABS Statistics	1
AGE Lopendatasite	1
AGRI5 FAO	1
API-AGRO	1
ATB "Mikrokreditbank"	1
ATB "Qishloq qurilish bank"	1
> More	



Open Data Inception

INFORMATION

TABLE

MAP

Name	Organisation	
Afganistan Open Data Project	Afganistan	<a href="https://afghanistandataproject.o...">https://afghanistandataproject.o...</a>
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>
Government Budget	Ministry of Economy and Ministr...	<a href="https://www.budgetmof.gov.af/i...">https://www.budgetmof.gov.af/i...</a>

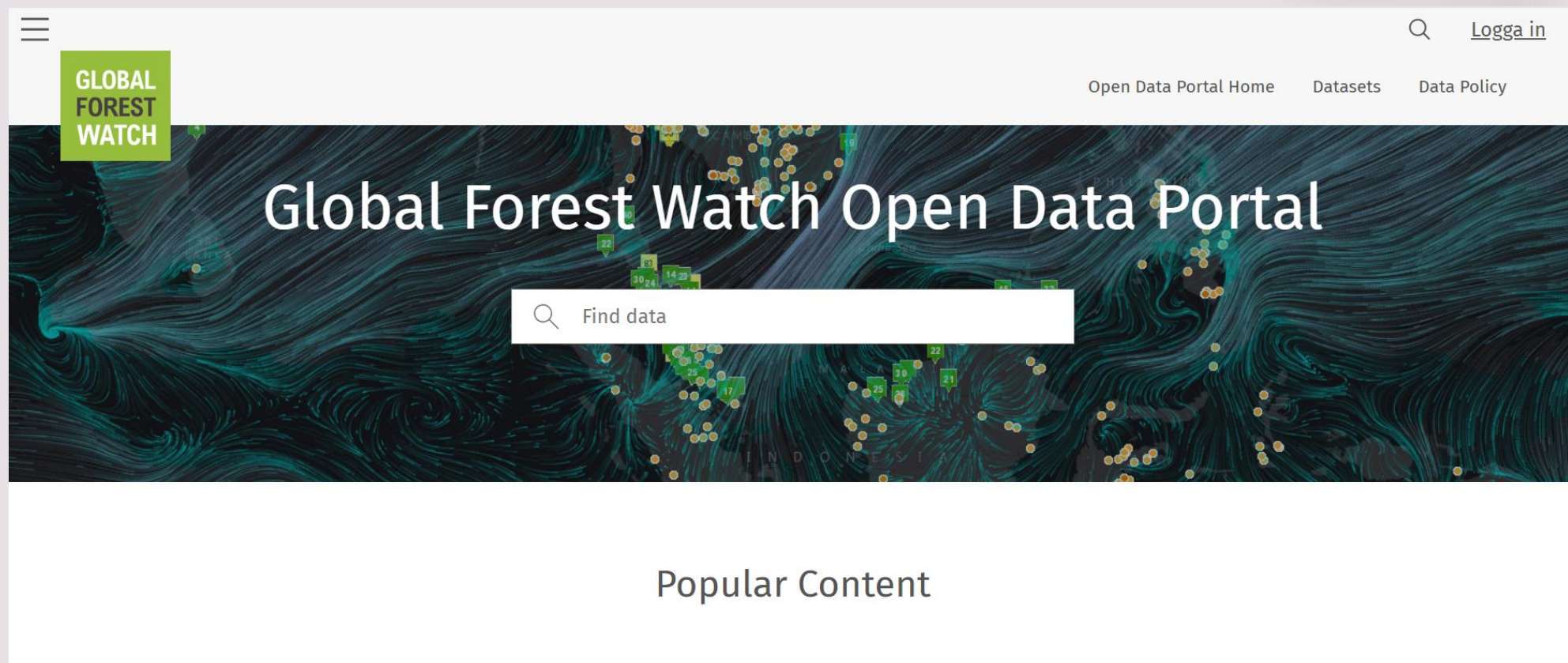
Lot of dead ends  
in this kind of  
portals

Old url:s  
Old data

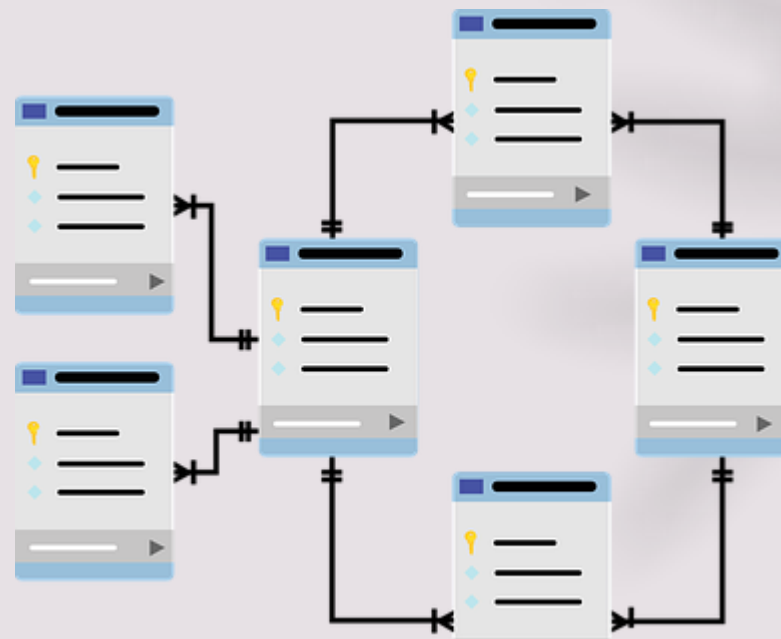
But give it a try!

# Where to find open data

- Search engines “Open data”, subject and area



# Databases online



## database

/ˈdeɪtəbeɪs/ 

*noun*

a structured set of data held in a computer, especially one that is accessible in various ways.  
"a database covering nine million workers"

# Open data vs database

- Open data is a type of database with a definition
- Database is much broader

# Ask Chat-GPT:

ChatGPT ▾

⬆ Del

Give me a short explanation of what a database is



A database is an organized collection of data that is stored and managed so it can be easily accessed, updated, and used. Databases are typically managed by software called a **database management system (DBMS)**, which allows users to create, read, update, and delete data efficiently. Databases can store structured data in tables (like in relational databases) or unstructured and semi-structured data (like in NoSQL databases), making them essential for managing information in applications, websites, and organizations.



# How to find the right database



Know how the society works



Do research on the topic



Ask experts



Google scholar – read how others did their investigations



Website – search for “data” or “statistics” or “database”



Portals for databases





# MIGRATION DATA PORTAL

The bigger picture

Mailing list

About

Contact

English

Español

Français

Deutsch

LATEST  
New content

DATA  
Migration statistics

THEMES  
Overview by topic

RESOURCES  
Guidance materials

SDGs  
& Global Compact for Migration

OVERVIEWS  
By country, region & MGI

BLOG  
& Videos



Current indicator selected:

International migrant stock (Total) ✕

Selected year: 2019

1990 2019

Country Subregion Region IOM

Select country

Immigration & emigration ▼

Migrant flow ▼

Vulnerability ▼

Integration & well-being ▼

Forced migration ▼

Development ▼

Migration policy ▼

Public opinion ▼

SHARE

## Total number of international migrants at mid-year 2019

Source: UN DESA, 2019  
Latest data upload on 18 September 2019

Data Innovation  
Directory

LEARN MORE

Source: UN DESA

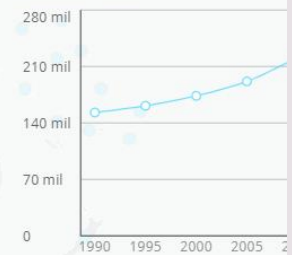
Note: Statistics refer to international r  
Stocks include all foreign-born residen  
regardless of when they entered the c  
[Read more](#)

FAQs

TRENDS

OVERALL  
2019: 271.6 million

GLOBAL TREND







## Commodities & statistics

[UK](#)

[Europe](#)

[World](#)

[World archive](#)

[Data download](#)

[Mineral profiles](#)

[Critical Metals Handbook](#)

[Critical raw materials](#)

[Raw materials for a low carbon future](#)

[Risk list](#)

## World mineral statistics data

Welcome to the World Mineral Statistics archive data download page. The British Geological Survey (BGS) and its predecessor organisations have compiled production and trade statistics on a wide range of mineral commodities since 1913. As part of our ongoing work to make these data more accessible we have created an online tool which allows users to extract the data in Microsoft Excel format.

### Data availability

Currently this tool permits access to data from the World Mineral Statistics archive for the years 1970 to 2018. Prior to 1970 the data are available in PDF files which you can download for free from the main [archive page](#). Selected data from 1960 are also available from the main archive as a static table in MS Excel.

For certain commodities data are not available for all years, for example the BGS commenced collation of data for primary aggregates in 1998 and consequently there are no data for earlier years for this particular commodity. Trade data (imports and exports) are available for all countries up to 2002, and for selected European countries only from 2003 to 2018.



## C

Campaign aired on television and/or radio

Campaign utilized media planning

Campaign was part of a comprehensive tobacco control programme

Campaign was pre-tested

Cancer, age-standardized death rates (15+), per 100,000 population

Care facilities [hospice centres]

Care facilities [long-term care]

Cases

Cases started on MDR-TB treatment

Cautions and arrests for drink-driving, per 100,000 population

Cautions and arrests for public drunkenness, per 100,000 population

Central coordinating entity for alcohol policy implementation

Changes in poverty gap due to health expenditures at the \$1.90 a day poverty line

Changes in poverty gap due to health expenditures at the \$1.90 a day poverty line

Changes in poverty gap due to health expenditures at the \$3.20 a day poverty line

Changes in poverty gap due to health expenditures at the \$3.20 a day poverty line

Cheapest brand of cigarettes - currency reported

Cheapest brand of cigarettes - price in currency reported

Cheapest brand of cigarettes - price in international dollars

Cheapest brand of cigarettes - price in US\$ at official exchange rates

Chemical (HS 2010, 2017)

ec.europa.eu/eurostat/data/database

MEDIETRÄNA – så... Investigative Journa... Deltagare Google Kalender -... Learning to teach d... PODER GENERAL What's your angle?... Hur gör man ett br... OpenRe

Sign In | Register

Legal notice | Cookies | Links | My alerts | Contact English

Type a keyword, a publication title, a dataset title...

**eurostat**

Your key to European statistics

News Data Publications About Eurostat Help

European Commission > Eurostat > Data > Database

DATA

COVID-19 DEDICATED SECTION

COVID-19: Statistics serving Europe

DATABASE

DATA navigation tree

- Database by themes
  - General and regional statistics
  - Economy and finance
  - Population and social conditions
  - Industry, trade and services

Information

Browse statistics by theme

Statistics A - Z

Experimental statistics

Bulk download

Web Services

- SDMX Web Services
- Json and Unicode Web Services
- Access to microdata



Structured

Semi-structured

Unstructured

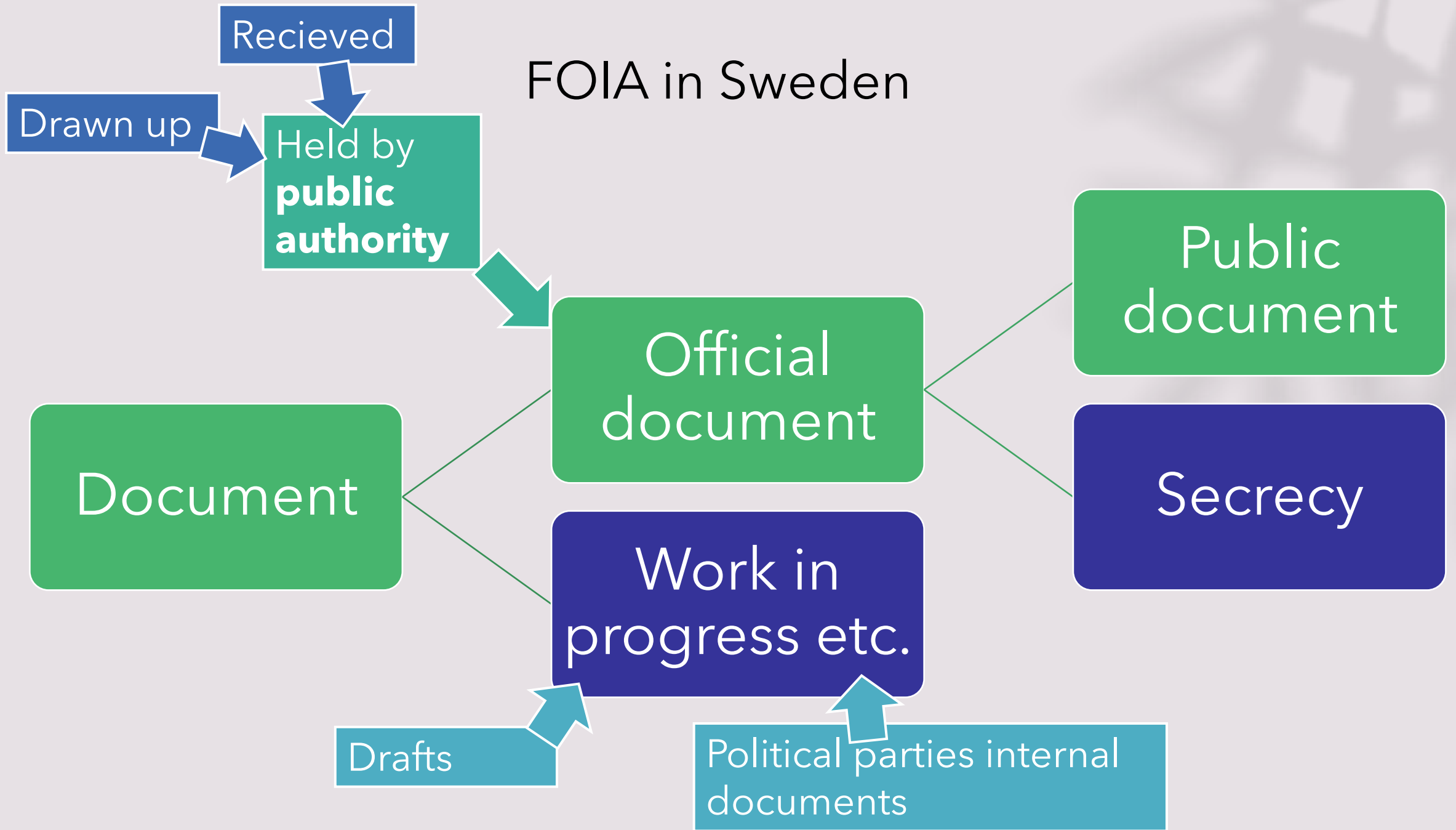
# FOI-requests

The authorities have a lot of data,  
data bases and documents not  
available online

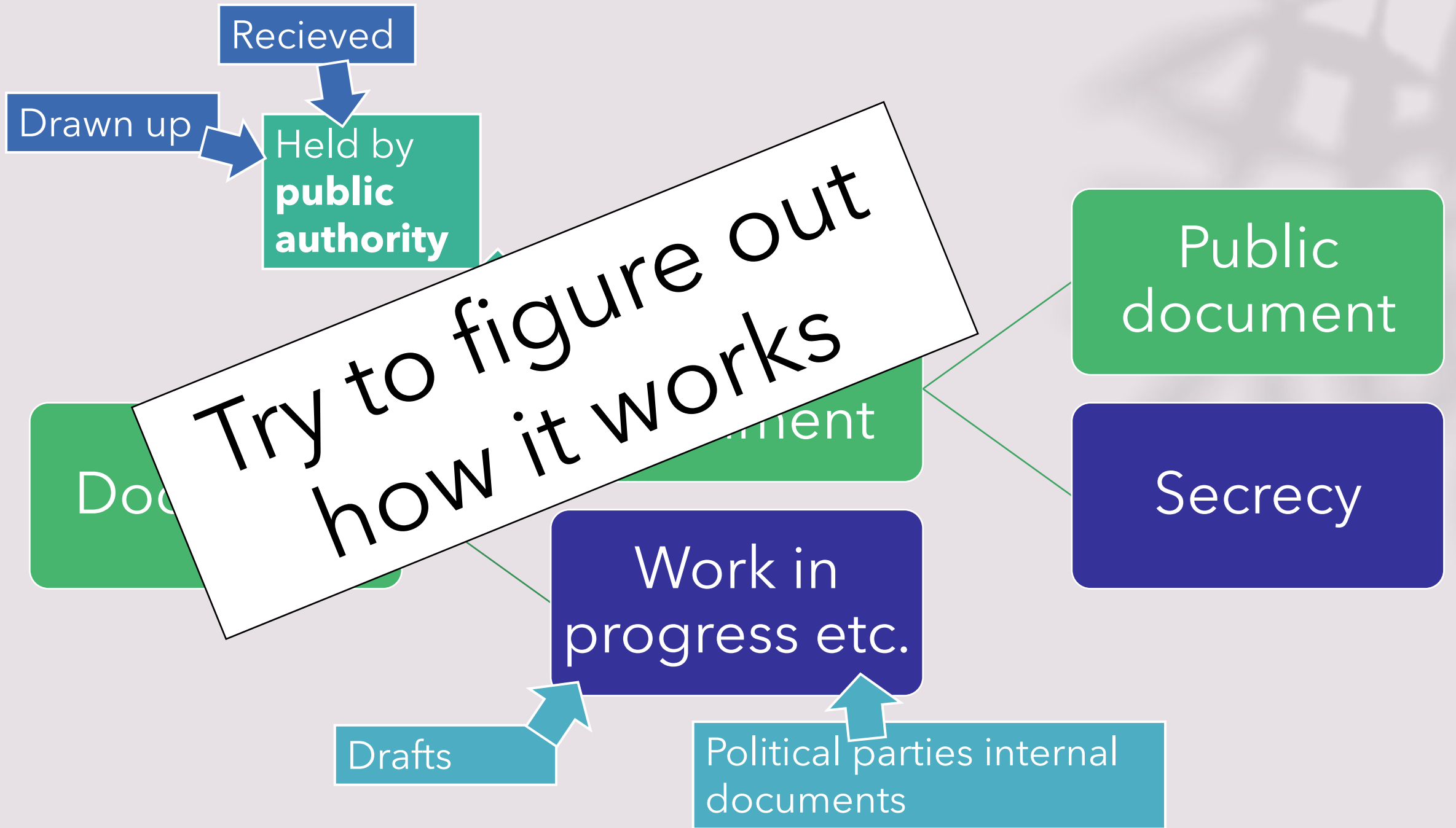
# FOI requests for structured data

- Different regulations in different countries
- If they share their own databases
- In what format they provide the data

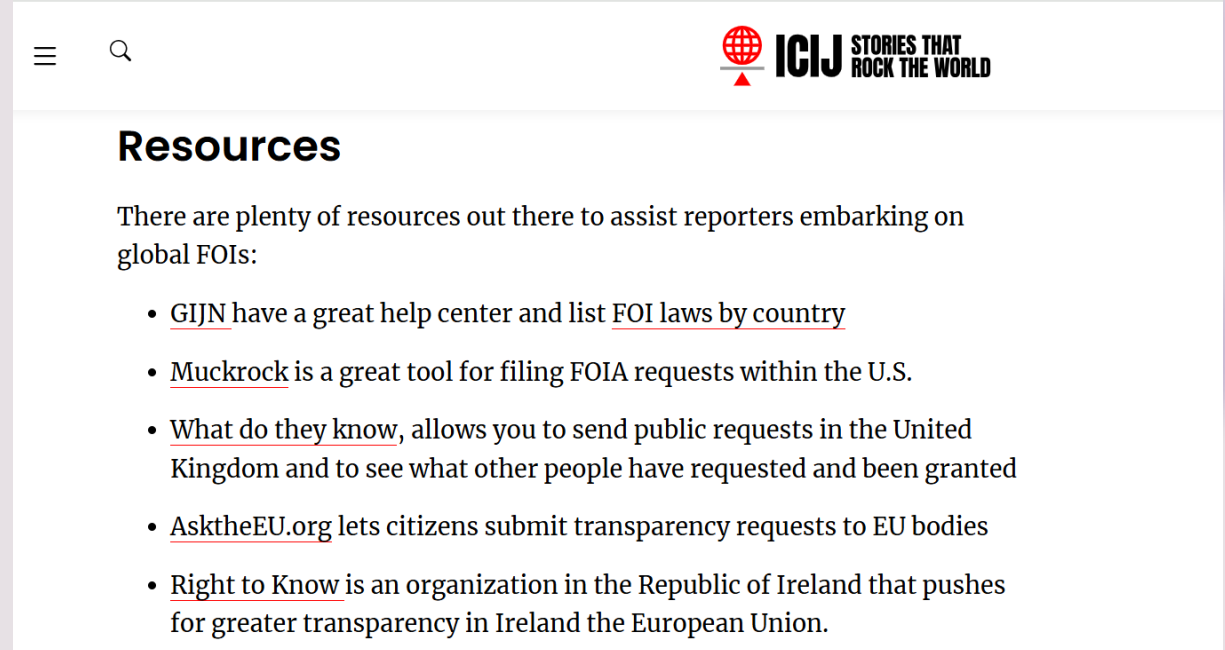
# FOIA in Sweden







# How does it work?





# FOI-requests

- It takes always more time that you think!

- Keep it simple, do a request that can't be misunderstood.

- Be specific, what do you want?

- Check the fees

- Do a test run, to know what you get

- Ask for raw data

# Ideas?

## A Great Big List of FOI Ideas

Is one of your journalism resolutions this year to put in more Freedom of Information requests but not really sure where to start?

David Higgerson's blog has a [FOI Friday feature](#), collecting together stories from local and regional newspapers that have been based on responses to FOI requests.

The list below collects together the topics of the requests featured, grouped by authority the information was requested from.

There are nearly 500 ideas below so it should keep you (and FOI officers across the country) busy for months to come.

Edited: Several people who work on the public authority side of FOI have pointed out that some of the information in the ideas listed below will already be available elsewhere (usually websites, accounts etc). [FOI Man](#) has a [good guide on how to send a responsible and effective FOI](#).

## Finance

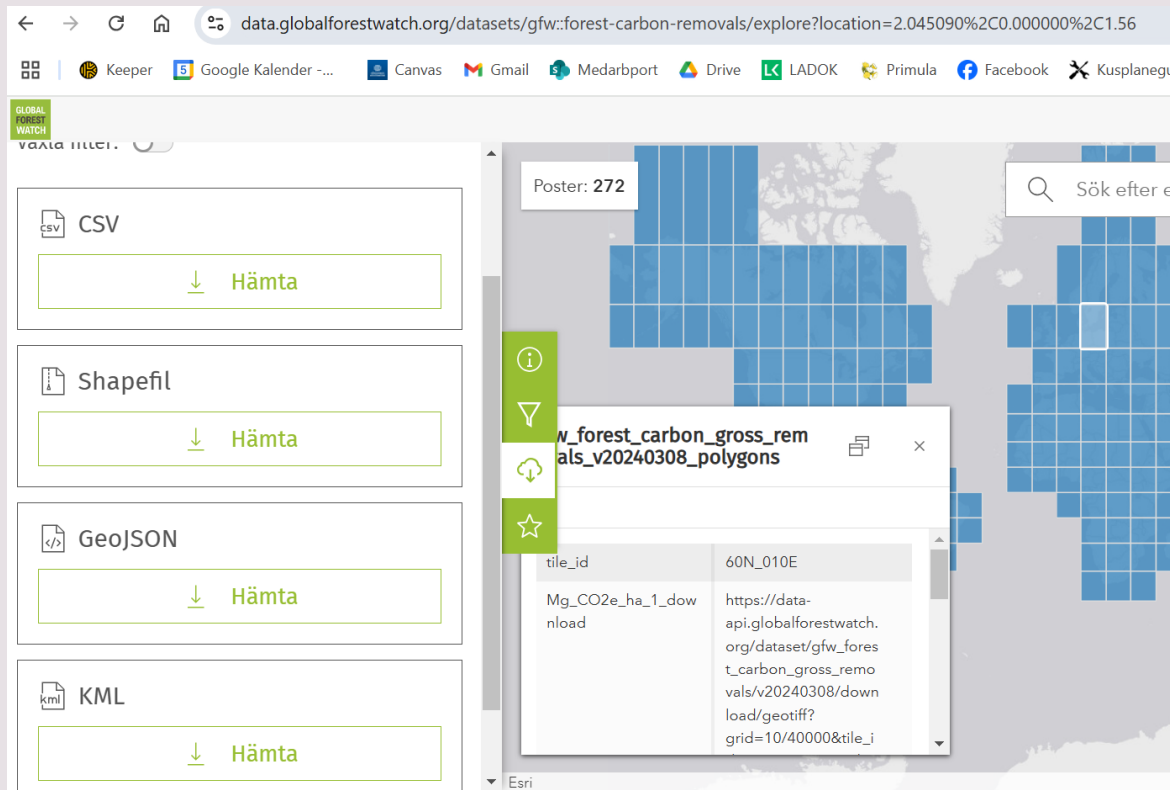
- Spending on council credit cards
- Cost of council IT equipment
- Cost of buying stationary
- Compensation payments by the council – amount and reason for payout, include
- Do local councils support local business by paying bills quickly
- Cost of strikes
- Money spent on consultants
- Whether councils have a policy to buy local
- Cost of cancelled projects
- How much council tax is outstanding and how is it being chased, how much is
- Cost of council refurbishments
- Money spent publicising cuts (or how council will cope with them)
- Cuts in grants to charities/community groups
- Council investments in dodgy companies (arms dealers etc.)
- Impact of cuts on departments – number of staff, size of budget

	A			D	E	F	
1	Förvaltning			Kontonummer	Kontotext	Belopp exkl moms	
6587	608 - Förskolenämnden			6081702086	Personalrepresentation/up	714,29	
6588	608 - Förskolenämnden			6081688288	Personalrepresentation/up	1 402,01	
6589	608 - Förskolenämnden	CEDERLEUFS & SVENHEIMERS BAGERI OC	5560829383	6081688288	Personalrepresentation/up	343,74	
6590	608 - Förskolenämnden	CEDERLEUFS & SVENHEIMERS BAGERI OC	5560829383	6081688288	Personalrepresentation/up	1 607,00	
6591	608 - Förskolenämnden	CEDERLEUFS & SVENHEIMERS BAGERI OC	5560829383	6081688288	Personalrepresentation/up	1 959,77	
6781	610 - Utbildningsnämnden	DAHLS KONDITORI AB	5560886565	6101572778	Personalrepresentation/up	126,79	
6782	625 - Nämnden för arbetsm	DAHLS KONDITORI AB	5560886565	6251052695	Personalrepresentation/up	297,29	
6784	625 - Nämnden för arbetsm	DAHLS KONDITORI AB	5560886565	6251052425	Personalrepresentation/up	181,93	
6786	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109547	Personalrepresentation/up	277,66	
6787	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109556	Personalrepresentation/up	228,54	
6789	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109560	Personalrepresentation/up	812,51	
6790	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109548	Personalrepresentation/up	401,78	
6791	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109545	Personalrepresentation/up	304,49	
6792	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109543	Personalrepresentation/up	316,98	
6793	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109542	Personalrepresentation/up	467,89	
6794	165 - Socialnämnden Sydvä	DAHLS KONDITORI AB	5560886565	1651109559	Personalrepresentation/up	137,51	



Common problems

# Formats



- The data can be accessible in formats you never heard of
- In this course we cover
  - .xls
  - .csv
  - Shapefiles
  - ..and some more
- More on this on Wednesday

# Not updated

## Cities Emission Reduction Actions

Contains all public reported data on cities' emission reductions actions in 2020.

CDP and ICLEI - 2021

[Go to Resource](#)



[Add to your collection](#)



## CAT Emissions Gap

Assesses the expected absolute emissions in 2030 and compares these with emissions consistent

Climate Analytics and New Climate Institute - 2009

# Uncertainty on methods, sources and credibility



WHO?



WHEN?



WHY?



HOW?

# Where to get that data?

