Open Data Maturity 2022: Diving deeper into the impact dimension

27 October 2023
10.00 — 11.30 CET
Rules of the game

- The webinar will be recorded

- Please reserve 3 min after the webinar to help us improve by filling in our feedback form

- For questions, please use the ClickMeeting chat
Introduction

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Diving deeper into the impact dimension
Nataliya Rozbroj Jasinskaja
Introducing the Open Data Maturity assessment

**What**
- 8th consecutive assessment of the state of open data in Europe, with 35 participating countries

**Why**
- Gain insights in the state of open data and challenge countries to improve

**How**
- Self-assessment: national open data teams fill out a questionnaire on 4 dimensions of maturity
Introducing the Open Data Maturity dimensions and indicators

These four dimensions allow a comprehensive assessment of open data developments across Europe

2022 Revised Approach

- **Streamline of questions** to better include regional and local realities and EU priorities
- **More focus on high-value datasets** to test countries’ level of preparedness ahead of the regulation
- **Re-structuring of the Open Data impact dimension** to:
  - better acknowledge the challenge of assessing impact
  - better distinguish between reuse and *how* impact is created
Results 2022 (EU27+)

- In 2022, the average open data maturity score of the EU27+ countries is 75% vs. 78% (2021).
- Policy is the most mature dimension (86%), followed by portal (83%), quality (77%), and impact (71%).
- France (97.2%) and Ukraine (96.9%) lead the way of open data developments in Europe.
The maturity of European countries is concentrated in the higher end of the spectrum (above 65%).

The fast-trackers show highly similar scores, as the cluster is concentrated on a range of 3% (88 to 91 percentage points).

Remarkable is the journey of

- **Belgium** from beginners in 2021 to followers in 2022;
- **Czech Republic** from followers in 2021 to fast-trackers in 2022;
- **Italy and Cyprus** from fast-trackers in 2021 to trend-setters in 2022.
Defining Impact

Open data impact is the assessment of the positive changes and value generated by the reusing open data across economic, governmental, social, and environmental domains.

The impact can include, but is not limited to, factors such as increased transparency, economic growth, improved decision-making, enhanced public services, environmental sustainability, and social inclusivity.
The Open Data Maturity Assessment measures open data impact annually through the impact dimension indicators.

The Economic Value of Open Data Report investigated in 2020 the value created by open data in Europe.

The Use Case Observatory monitors 30 reuse cases over 3 years for a holistic understanding of the impact created by exemplar open data reuse cases.
Open Data Maturity Impact Indicators

**Strategic Awareness**
Effort and resources that countries put into understanding the impact of open data through monitoring mechanisms.

**Measuring Reuse**
The extent to which tools are in place to understand which and how datasets are reused.

**Created Impact**
The extent to which examples of reuse cases exist to showcase the impact of open data in political, social, environmental, and economic areas.
Impact Dimension Results

- The least mature dimension, having the lowest average score (71%) among the four dimensions evaluated in the ODM for the EU-27.

- The average score for the EU-27 has increased significantly from the first ODM in 2018 (50%) to today in 2022 (71%).

- Five countries – Cyprus, the Czech Republic, Estonia, France and Ireland – score maximum points for strategic awareness, measuring impact and created impact. They are closely followed by Spain, Poland and Italy who all score above 90%.
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<th><strong>Legal Frameworks</strong></th>
<th>Provide a strong foundation for defining reuse and monitoring and measuring impact.</th>
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<td><strong>Community Engagement</strong></td>
<td>Several countries, such as France, actively involve communities in the monitoring process.</td>
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<td><strong>Data Metrics</strong></td>
<td>Many countries use data metrics to assess open data impact.</td>
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<td><strong>Government-Level Monitoring</strong></td>
<td>In some countries, open data officers within government ministries have specific monitoring obligations.</td>
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<td><strong>KPI Tools</strong></td>
<td>Ireland’s Key Performance Indicator (KPI) tool is an example of a technology-driven approach to measuring data impact.</td>
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<td><strong>Yearly Impact Studies</strong></td>
<td>Some countries conduct annual impact studies to assess the effects of open data over time.</td>
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<td><strong>High-Value Datasets Focus</strong></td>
<td>Several countries are preparing to monitor high-value datasets specifically.</td>
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<td><strong>Interdepartmental Cooperation</strong></td>
<td>In France it facilitates a more comprehensive evaluation of open data’s impact.</td>
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Measuring Reuse Insights

Understanding and measuring data reuse
81% of respondents conducted activities in the past year to map which datasets are being reused.

Methods for Identifying Reuse
82% of countries conducted interviews and workshops; 73% were using automated feedback mechanisms to track user access to datasets.

Additional Measurement Methods
68% used surveys and log; 36% mentioned other methods, such as engagement with not-for-profit organizations and private companies.

Understanding Reusers’ Needs
78% of countries conduct regular feedback sessions, statistics, surveys, webinars, and hackathons.

Gathering Reuse Cases
Around 70% of countries have systematic methods for gathering reuse cases, which can include annual surveys, events, and collaborations with civil society and academic entities.

Classifying Reuse Cases
Only 37% of countries have a systematic way of classifying reuse cases.
The impact of open data is felt strongest in **government (EU average 73%)** through improved transparency and government efficiency.

The **social domain (EU average 67%)** also benefits from open data mainly through an increased awareness of health and wellbeing.

The **economic impact is currently lowest (EU average 58%).** Although open data is already used regularly for innovation and new technologies, further improvements are required to bring the economic impact of open data to fruition.
Open data best practices of Czech Republic

Lenka Kovacova
Open Data_Impact_Re-use

Czech Republic

Lenka Kovacova
Open Data and DIA

- Digital and Information Agency (DIA)
  - new central authority for digitization
  - coordination of cataloguing and data sharing in the Czech public sector
  - National Open Data Team
  - National Open Data Portal/Catalogue

Methodology for developing an analysis of the impact of open data in the Czech Republic

- comprehensive impact assessment
- basic problem is that open data does not manifest itself immediately, but only indirectly through the use and often with a time lag
- based on the identification of the value of open data across the whole of society
- collection of re-uses – only part of the methodology
Governmental Impact
Hlídač smluv/Contracts Watchdog

- data from the Register of Contracts and about public procurement
- public control of state and local government, politicians and companies
- the public authorities are able
  - to compare common prices for provided services
  - to spend resources more efficiently
  - to check if they meet the formal requirements for the public contracts

https://www.hlidacstatu.cz/smlouvy
the execution data by individual regions, districts, and municipalities

drew attention to the (often illegal) activities of the Chamber of Bailiffs

the law on executions has been amended

highlighted the uneven distribution of foreclosures in the regions and led to the Summer of Grace activity (debt forgiveness)

https://mapaexekuci.cz/mapa/
Social Impact
draws attention to long-term empty houses that
  ○ present difficulties for their location
  ○ attract negative social phenomena
  ○ reduce the value of the surrounding properties

people
  ○ are aware of surroundings
  ○ are interested in the history of objects and appreciate them more
  ○ fight against the purposeful deterioration of buildings

https://prazdnedomy.cz/
draws attention to the huge inequalities at the level of education between regions

how is a student's educational failure related to the social situation or funding of schools in the region

what are the strengths and weaknesses in education

authors are part of government advisory bodies

https://www.mapavzdelavani.cz/
Environmental Impact
analysis of publicly available environmental data

to provide the public with environmental data in a clear, comprehensible and interactive form that captures and teaches

author cooperates with the media and public organizations

https://www.envidata.cz/
places where citizens can legally "get rid" of unwanted things and waste

helps to reduce the amount of waste that ends up in landfills, incinerators or in black dumps in nature

contains a total of over 110 000 waste collection points

https://www.kamsnim.cz/
Economic Impact
processes data on employment, visualizes them and highlights changes over time

was used as a basis for various analyzes:
- the influence of COVID19 on precarious workers
- the impact of legislative changes on social benefit payments
- how low unemployment changes the situation of households with children in material need

https://www.mapanezamestnanosti.cz/
Open Data Re-uses

- **How we find re-use examples**
  - hackathons
  - monitoring of the results of (open) data competitions
  - media monitoring
  - direct contact with open data users

- **How we communicate re-uses**
  - conferences
  - webinars, e-learning
  - Annual Report on the Status of Open Data in the Czech Republic

- **Future**
  - a list of re-use examples with a link to a specific data set on the Open Data Portal
  - possibility to report re-use examples
Lenka Kovacova

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Open data best practices of Sweden
Ulrika Domellöf Mattsson & Josefin Lassinantti
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Hi!

- Josefin Lassinantti
- Specialist in open data & product owner of the Swedish data portal

- Kontakt: josefin.lassinantti@digg.se
Open data impacts in Sweden
Improvements in the impact dimension

- The Swedish data strategy (2021)
  - New government assignments
  - Data as a strategic resource

- The new Swedish data law (2022)
  - An open process engaged many
  - Increases awareness about data
Strategic awareness

- **Crowd driven engagement!**
  - Our community at the Swedish data portal spurs knowledge exchange
  - Individual lobbyists for open data

- **A platform for support and guidance**
  - Recommendations for open data sharing, API-development, open licenses and procurement

- **NEW: Our data ambassador programme**
  - A “train the trainer” concept (2023)
Measuring reuse

- A lot of manual detective work
  - You need a lot of friends!

- Web statistics + user profiles
  - Information driven users
  - Development driven users
  - Analytically driven users
  - Organisational improvements driven users

- Generic areas for impacts as discussion material
Created impact!
Secure air ambulance flights

- The Swedish organisation “Svenskt ambulansflyg” is owned by all 21 regions and coordinates ambulance flights.
- Planning is facilitated by a Norwegian service for societally important air transports, which is based on Swedish open weather data.
- Also... a true cross-border service!
A growing car pooling community!

- “Skjutsgruppen” on Facebook
- Based on open geodata
- Primary focus is on existing member organisations... e.g. the Swedish society for nature conservation (300 000 people)
- Also.... shares open data about car pooling to e.g. municipalities to support city and transport planning
A Pokémon for biodiversity

- A mobile game for learning about biodiversity
- Based on open data from the Swedish Species Information Centre
- Also.... Users logged data is added to the original database → crowd sourced data!
A digital market place for grains

- Skira connects buyers and sellers
- Uses open data from several Swedish authorities to enable analysis and prognosis
- Also... they enable the origin of grains to be traced, such as in this beer!
What to do next?

Communicate HOW & WHY!

Lobby politicians on impacts 😊!

Collect & show reuse cases!

Investigate automatic measurements of reuse
Thanks!

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Questions & Answers
Please provide your feedback!
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WEBINAR

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