



EUROPEAN
DATA PORTAL

Open Data Maturity In Europe

New horizons for Open Data driven transformation

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Agenda

- European Data Portal (EDP)
- EU Open Data Maturity Assessment Framework
- Zoom-In: Assessing Open Data Impact in Europe
- European Best Practices
- Trends and reflections



European Data Portal (EDP)



EU Open Data Maturity Assessment Framework



Zoom-In: Assessing Open Data Impact in Europe



European Best Practices



Trends and reflections



Two EU Portals – One Mission: Open Data

The European Data Portal (EDP)

Access to data published by public administrations in Europe

<https://www.europeandataportal.eu/>

The Open Data Portal of the EU Institutions (ODP)

Access to data published by the EU institutions and bodies

<http://data.europa.eu/euodp/en/home/>

The European Data Portal in numbers



The European Data Portal acts as Single-Point-of-Access to open data from public administrations in Europe

- +870.000 metadata sets
- 79 catalogues (incl. 4 European catalogues)
- 35 countries covered, 13 categories
- Annual Pan-European Maturity Assessment
- Metadata Quality Assistant (MQA) monitoring
- Licensing Assistant to help data publishers
- Guidelines and reports on open data
- 16 Open Data eLearning modules
- Library of training materials and +400 useful documentation on open data
- +350 Use Cases
- Daily open data news & quarterly newsletter
- Calendar of +50 open data events per year

The screenshot shows the European Data Portal homepage. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector set to English (en). A search bar is located on the right side of the header. Below the header, there is a main navigation menu with options: What we do, Data, Providing Data, Using Data, and Resources. The central area features a 'Search Datasets' section with a search input field and a 'Search' button, and a 'SPARQL Search' option below it. To the right of the search area is a map of Europe with various national flags. Below the search area, there is a 'Browse Datasets by Categories' section with a grid of icons and labels for categories such as Agriculture, Fisheries, Forestry & Foods; Energy; Regions & Cities; Transport; Economy & Finance; International Issues; Government & Public Sector; Justice, Legal System & Public Safety; Environment; Education, Culture & Sport; Health; Population & Society; Science & Technology; Catalogues; and All data. On the right side, there is a 'Latest News' section with several news items, including 'Join the ECMWF Open Data Hack 2018', 'From data to value" part 2 in Copenhagen on 24 May 2018', 'Workshop on a quality label for user-centric cities and regions on 23 May', and 'CEF Telecom calls virtual Info Day'. An RSS feed icon and 'More news' link are also present.



European Data Portal (EDP)



EU Open Data Maturity Assessment Framework



Zoom-In: Assessing Open Data Impact in Europe



European Best Practices



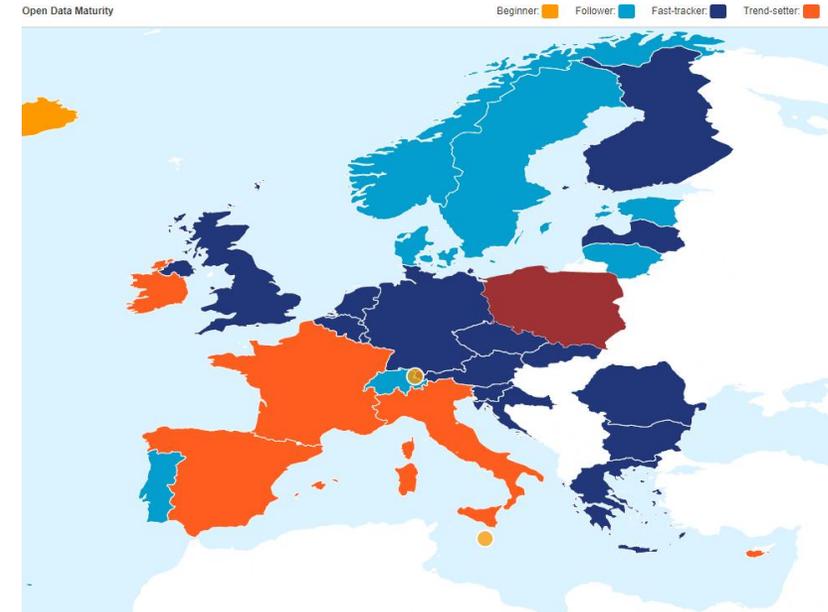
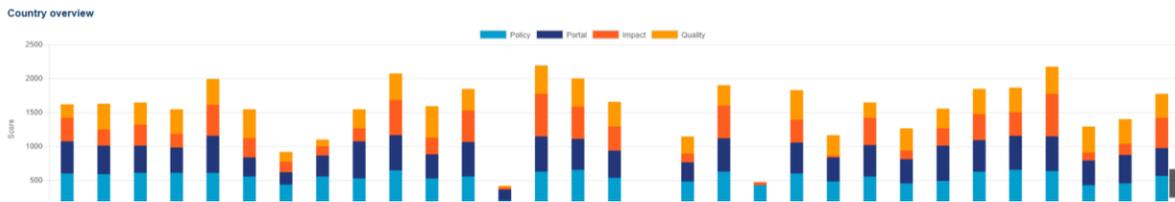
Trends and reflections

Since 2015, the EDP has been assessing the open data maturity in Europe



Comprehensive analysis of open data maturity at both country and EU level

- > Annual report: *Open Data Maturity Landscaping* documenting the state-of-play in 32 European countries
- > Open Data Maturity *Dashboard*: <https://www.europeandataportal.eu/en/dashboard#2018>
- > 32 *Country Factsheets* presenting the country results and yearly progress
- > *Country clustering* acc. to maturity level





The Open Data maturity assessment framework comprises 4 dimensions

Policy, Impact, Portal and Quality

Dimension	Metrics
Open Data Policy	Policy framework
	Governance of open data
	Open data implementation
Open Data Impact	Strategic awareness
	Political
	Social
	Environmental
	Economic
Open Data Portal	Portal features
	Portal usage
	Data provision
	Portal sustainability
Open Data Quality	Currency and completeness
	Monitoring and measures (to boost quality of publication)
	DCAT-AP compliance
	Deployment quality and linked data



European Data Portal (EDP)



EU Open Data Maturity Assessment Framework



Zoom-In: Assessing Open Data Impact in Europe



European Best Practices



Trends and reflections

Assessing Open Data impact in Europe (I/II)

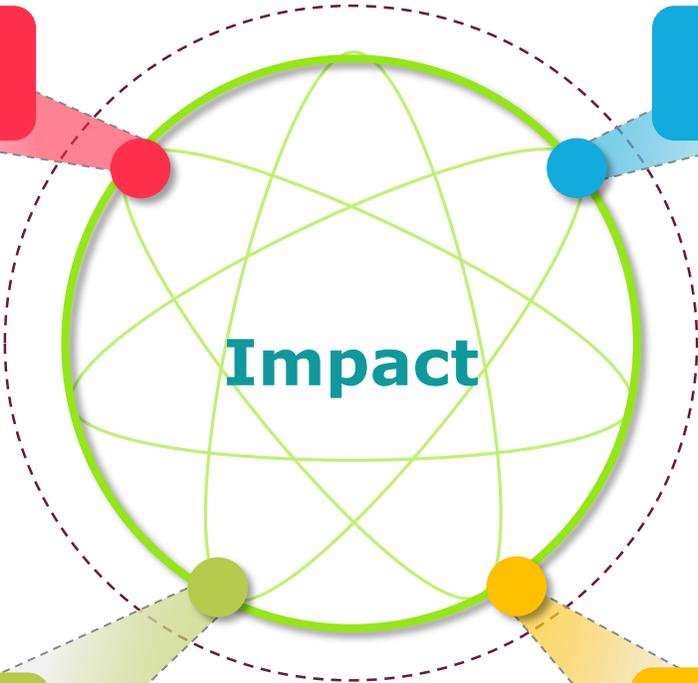


Open data is considered a public good, but how can the value derived by it be demonstrated?

Boosting economic growth through new jobs, new business models & services
Deriving efficiency gains via open data



Improving transparency and accountability of government
Enabling better decision- & policy-making (*effective Gov*)
Improving speed & quality of public service delivery (*efficient Gov*)



Fostering environmental friendly transport
Raising awareness of air & water quality, noise levels in cities
Enabling smart waste management &
Raising awareness around sorting & reducing waste



Increasing inclusion of socially excluded groups
Improving knowledge & decision-making amongst citizens
Raising awareness around social issues (housing, gentrification)

Assessing Open Data impact in Europe (II/II)



What are we looking at and what are we looking for when measuring impact?

Metrics	Key elements
Strategic awareness	<ul style="list-style-type: none"> An approach and methodology are in place to boost, monitor and measure of open data reuse and later on, impact.
Political	<ul style="list-style-type: none"> Various reuse examples can be provided. The reuse of the open data in this field is systematically monitored. Civil society initiatives in this field are supported.
Social	<ul style="list-style-type: none"> Various reuse examples can be provided. The reuse of the open data in this field is systematically monitored. Civil society initiatives in this field are supported.
Environmental	<ul style="list-style-type: none"> Various reuse examples can be provided. The reuse of the open data in this field is systematically monitored. Civil society initiatives in this field are supported.
Economic	<ul style="list-style-type: none"> Studies of macro- and micro-economic impact of Open Data (commissioned or conducted by Government)



Moderate performance across Europe on the impact dimension

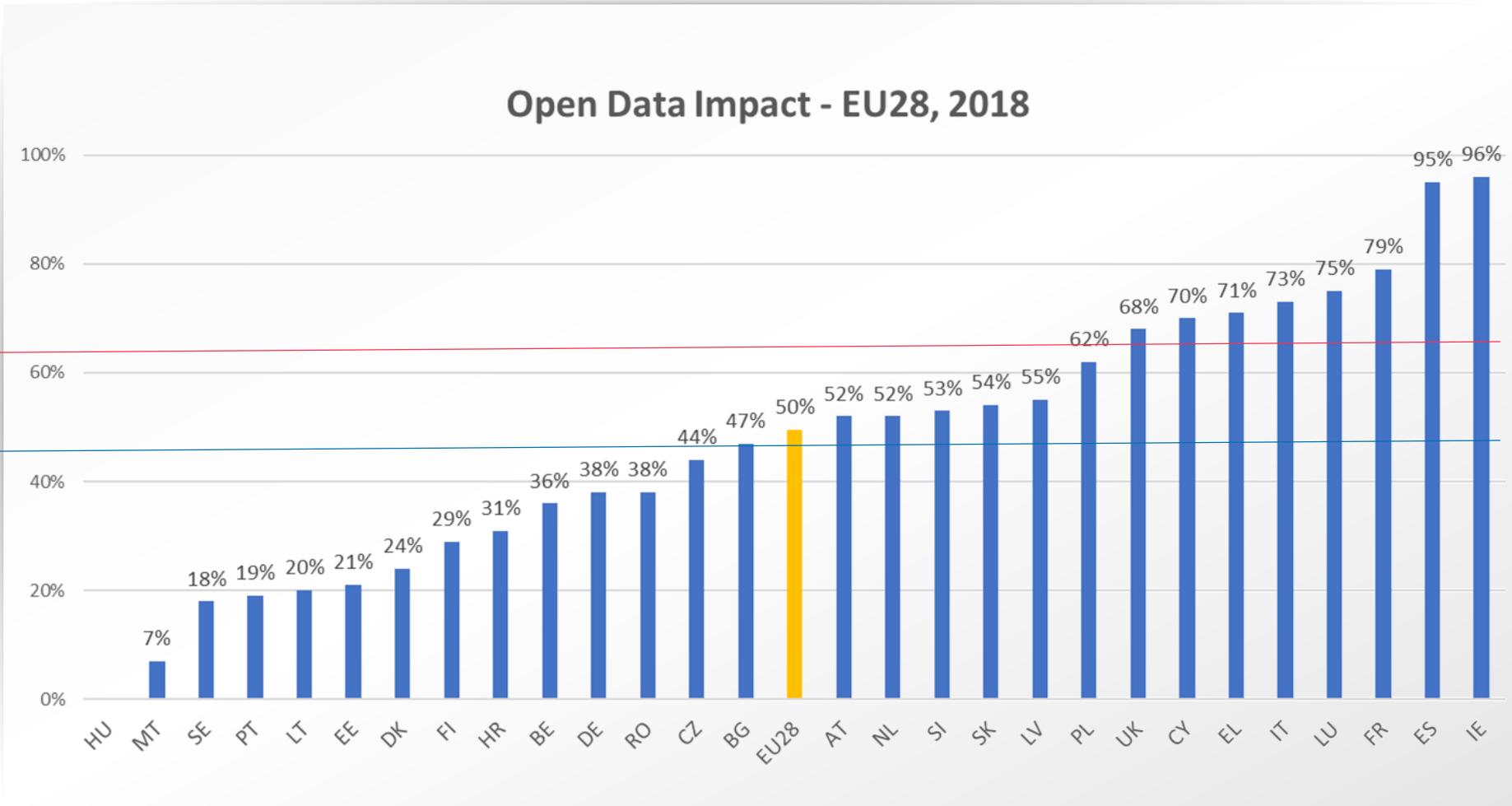


Half of European countries are lacking a strategic approach to boosting, monitoring and measuring open data reuse and impact.

Open Data Impact - EU28, 2018

Overall maturity
EU28 64,8%

Impact score
EU28 49,5%



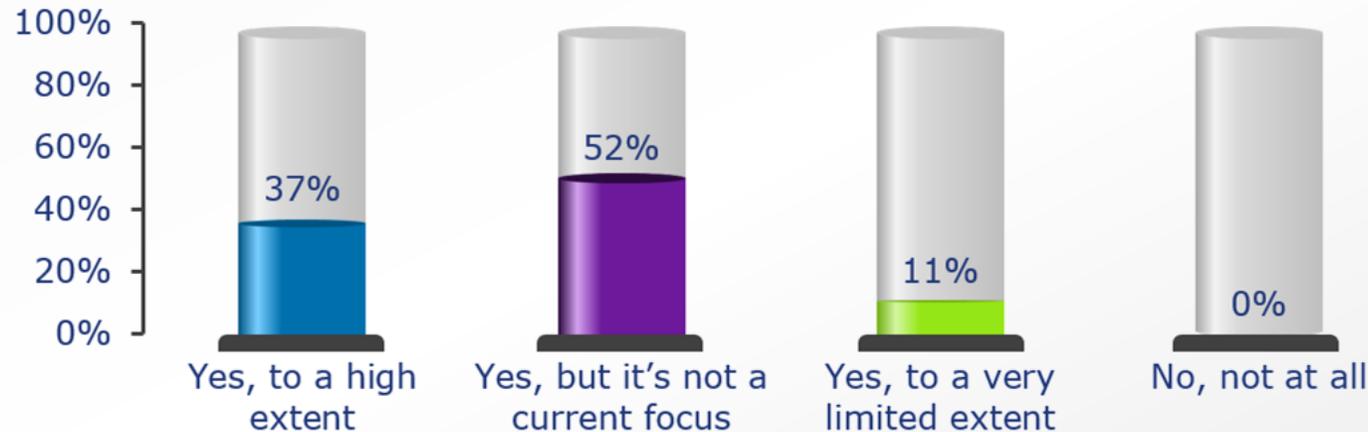
Why is Europe not there yet?



Still limited awareness around the importance of understanding and monitoring open data reuse

“
7 from 10 EU Member States mention that they have conducted some activities to **monitor open data reuse** in 2018
”

**Public administrations focus on understanding Open Data reuse
EU28, 2018**

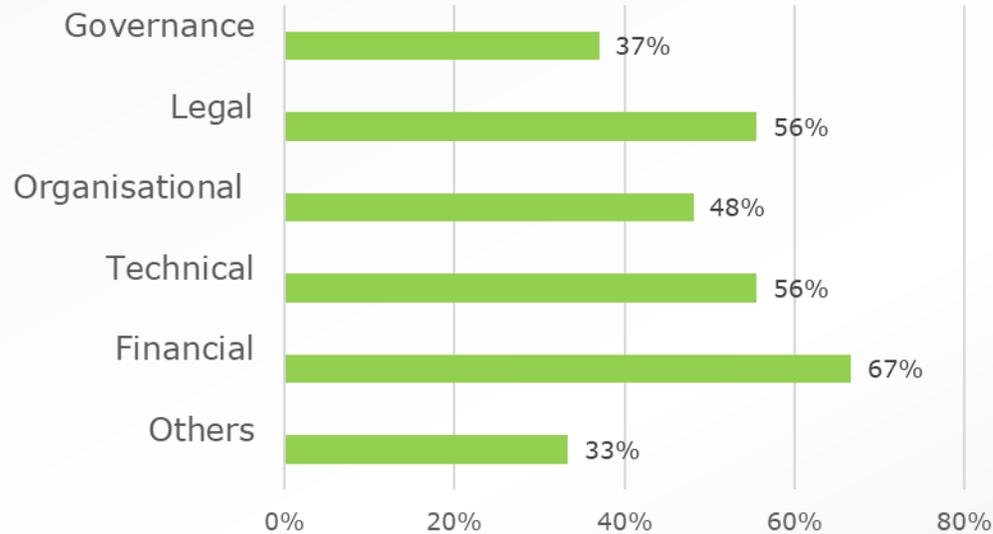


Barriers exist on both open data publication and reuse sides

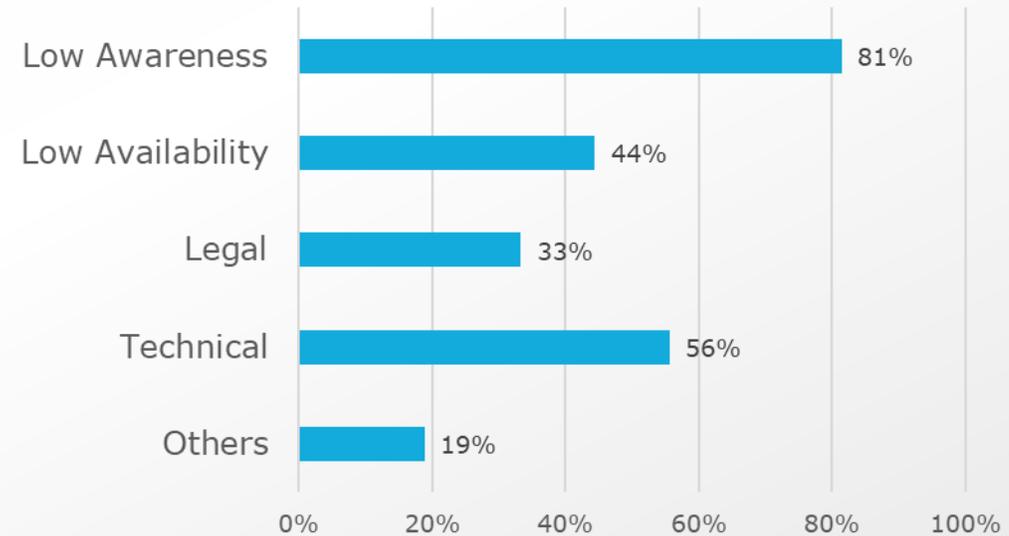


Barriers to publication and reuse – 2018, EU28 results

Barriers – Open data publication
EU28, 2018



Barriers – Open data reuse
EU28, 2018





- European Data Portal (EDP)
- EU Open Data Maturity Assessment Framework
- Zoom-In: Assessing Open Data Impact in Europe
- **European Best Practices**
- Trends and reflections

European best practices



Best Practices on the 4 assessment dimensions: Policy, Portal, Quality and Impact

293 initiatives...

- 42 from State Administration ✓
- 17 from Regional Administration ✓
- 225 from Local Administration ✓
- 9 from Universities ✓

Administration Level

- Local Administration (225)
- State Administration (42)
- Regional Administration (17)
- Universities (9)

Subject

- Public Sector (85)
- Culture and Leisure (65)
- Transport (60)
- Environment (59)

Spain, Ireland, France

POLICY

DATA.GOV.IE

8222 Datasets | 101 Publishers

Ireland, France

PORTAL

France, Ireland, Netherlands, Germany, Spain

Percentage of distributions by format

Percentage of distributions by format by administration level

QUALITY

IMPACT

Le Point d'Accès National

De l'information voyageur pour tous, partout en France, grâce à l'...

France, Luxembourg, Spain

Economic value of open data for the infomediary sector in Spain

ASSEDIE

VI INFOMEDIARY SECTOR REPORT

ASOCIACIÓN MULTISECTORIAL DE LA INFORMACIÓN

Impacts of Open Data in Luxembourg and the Greater Region - 2018

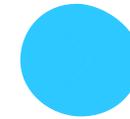
Main Findings



European Data Portal (EDP)



EU Open Data Maturity Assessment Framework



Zoom-In: Assessing Open Data Impact in Europe



European Best Practices



Trends and reflections

Open data developments across Europe



Trends and challenges in the European countries

- Shift from the mere transposition of EU policy to developing a vision & strategy for open data
- Developing an inclusive open data governance structure
- Focus on priority domains & high-value datasets

POLICY

- Focus on harmonisation of licences
- Development of catalogues for exemplary data and metadata records
- Publication of data & metadata in higher quality (shift from quantity to quality)
 - Publication of machine-readable *linked data*

QUALITY

- Development of “One-Single-Gateway” to all open data published in the country
- Advanced portal features for community engagement (feedback, rating, comment boxes, forums)
 - “*Portal as virtual space for community dialogue*”

PORTAL

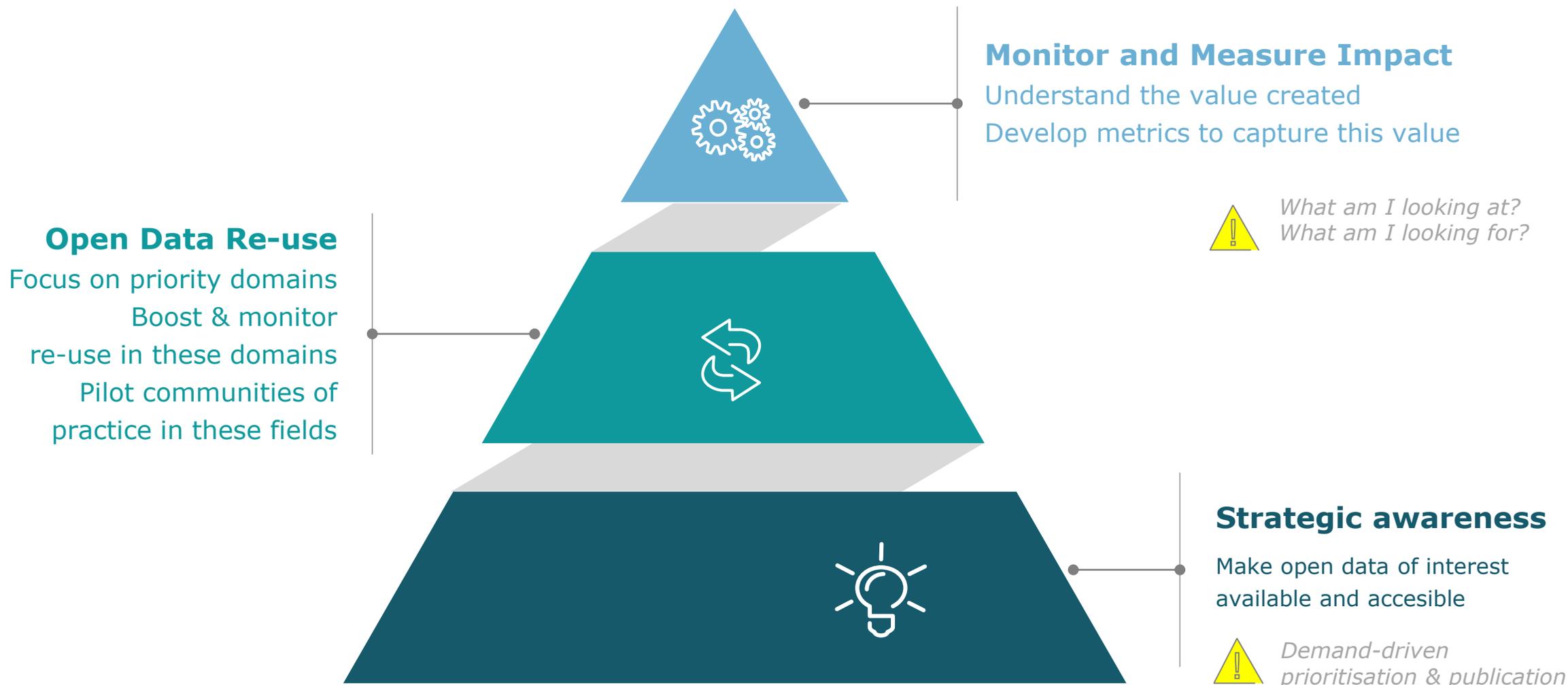
- Piloting thematic communities around domains of interest
 - Foster demand-driven publication and reuse
- Monitoring and measurement of reuse /impact within these priority domains

IMPACT

Reflections on impact and value creation through open data



The value generated by open data does not derive from the mere publication of open data





Search Datasets

Enter keywords...

Search

SPARQL Search



Visit us!

<https://www.europeandataportal.eu/en>



Q&A



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Why is Europe not there yet?

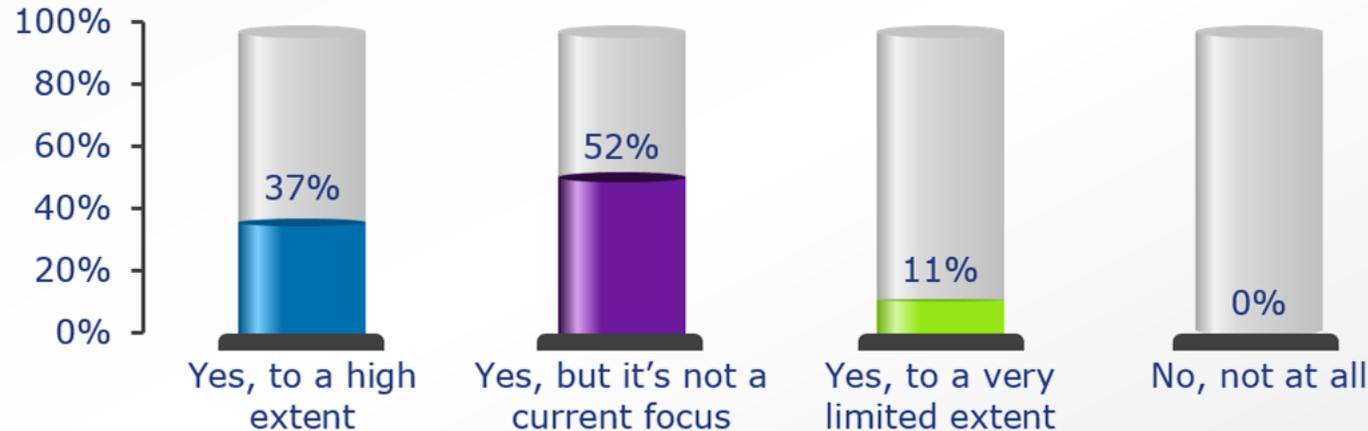
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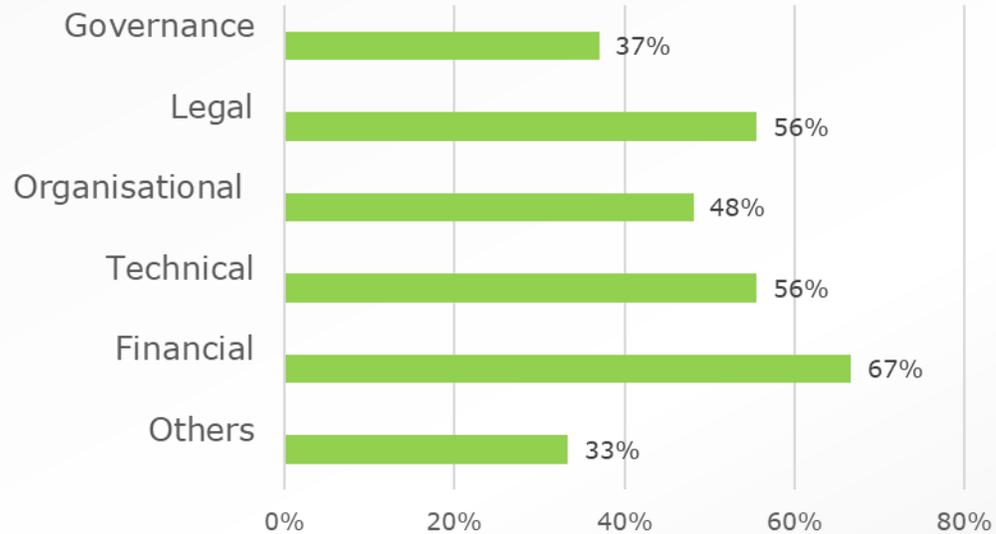


Barriers exist on both open data publication and reuse sides

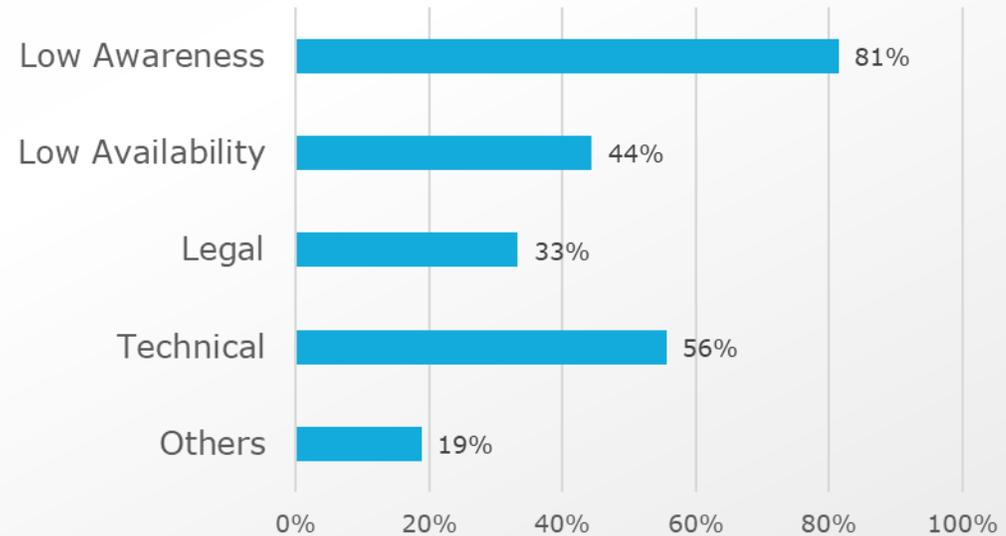


Barriers to publication and reuse – 2018, EU28 results

Barriers – Open data publication
EU28, 2018



Barriers – Open data reuse
EU28, 2018



<https://www.europeandataportal.eu/mqa-service/en>

European Data Portal > Home

Home | What we do | Data | Providing Data | Using Data | Resources

Global Dashboard | Catalogues | Download as report

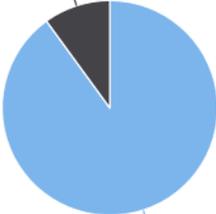
Metadata Quality Dashboard

The current quality analysis is based on 3 criteria: the accessibility of distributions, their machine readability and their compliance to the [DCAT-AP](#) specification. For each catalogue all datasets and their corresponding distributions are checked. This page provides a general overview for all catalogues. For a more detailed view by catalogue, please select the detailed view from the menu. Additional explanations can be found by clicking on the "i" icon on the upper right corner of the diagrammes. The metadata quality is checked on a weekly basis. The next check is scheduled for Jun 13, 2018 5:46:00 PM.

Distribution Statistics

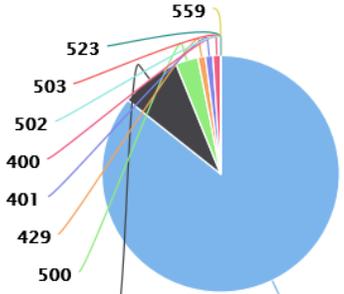
The following diagrammes providing an overview of the accessibility of the distributions of all datasets. All distributions of each dataset are checked. According to the DCAT-AP specification, each dataset must have an AccessURL; a DownloadURL is recommended. For each URL of a distribution a HTTP GET request is executed and the corresponding answer is checked. The testing of the machine readability of a URL uses the list of [machine readable formats](#), published by the [Open Data Monitor](#).

Accessible Distributions



Category	Count
Yes	523
No	559

Error Status Codes



Error Status Code	Count
404	523
500	559
403	503
502	502
503	503
401	502
429	502
559	502

DownloadUrl exists



Category	Count
Yes	523
N	559

Open Data maturity in Europe is assessed along four dimensions

Policy, Impact, Portal and Quality



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Dimension	Metrics	Aspects covered
Policy	Policy framework	Policy and strategy on & beyond Open Data
	Governance	Governance structure & inclusive operation model
	Open data implementation	Measures to ensure open data implementation & support from NAT level for REG / LOC levels
Impact	Strategic awareness	Measures to boost, monitor and measure open data reuse & impact
	Political	Measures to monitor sectoral impact & variety of use cases/ studies
	Social	Measures to monitor sectoral impact & variety of use cases/ studies
	Environmental	Measures to monitor sectoral impact & variety of use cases/ studies
	Economic	Measures to monitor sectoral impact & variety of use cases/ studies
Portal	Portal features	Advanced features of national open data portals
	Portal usage	Analytics & insights into portal usage and catering to users' needs
	Data provision	Coverage of data across all domains
	Portal sustainability	Strategy & measures to ensure portal's sustainability
Quality	Currency and completeness	Mechanisms to ensure harvesting/ editing and updating of metadata and/or data
	Monitoring and measures	Mechanisms to ensure quality of open data publication, for both metadata & data
	DCAT-AP compliance	Awareness and compliance with the DCAT-AP metadata standard
	Deployment quality and linked data	Ensure high-quality data (machine-readable formats, accompanied by adequate licensing information); Linked data 4/5-star (Open Data Model)