

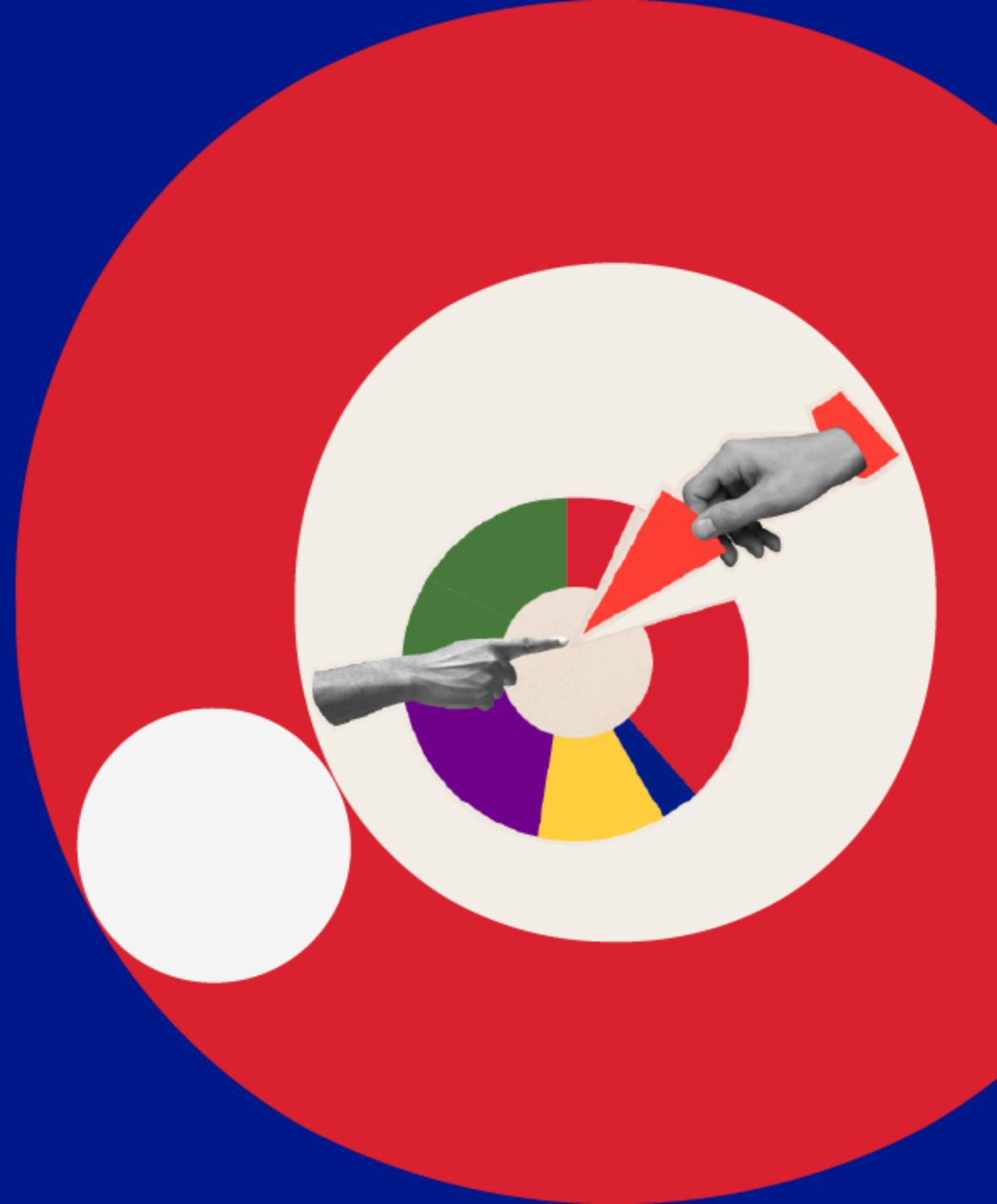
WEBINAR

Open data maturity in Europe 2025: progress, best practices, and key insights

data.
europa
academy

27 February 2026

10:00 – 11:30 CET



Rules of the game



The webinar will be recorded and published on the data.europa academy



For questions, please use the ClickMeeting chat



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



Today's speakers



Flora Kopelou
European Data Portal,
Publications Office of the EU



Arman Behrooz
Open Data Maturity
Report 2025 lead



Alicia Nieto Ramos
Technical Advisor, Data
Office D.G. del Dato



Thanh Ha LE
Data Product Portfolio
Manager, data.gouv.fr



Agenda

10.00 – 10.05

Opening and introduction – *Flora Kopelou*

10.05 – 10.20

Introduction to the Open Data Maturity assessment 2025 and its results – *Arman Behrooz*

10.20 – 10.45

Open data best practices from Spain – *Alicia Nieto Ramos*

10.45 – 11.10

Open data best practices from France – *Thanh Ha LE*

11:10 – 11.25

Q&A session – *Arman Behrooz*

11.25 – 11.30

Recap and closing – *Flora Kopelou*



The Open Data Maturity Assessment

Key findings from the 2025 report



The Open Data Maturity assessment provides an annual snapshot of the state of open data in Europe

WHY?

- evaluate the **maturity of countries** in the field of open data
- **document progress** year-on-year
- support the **development of open data best practices**

WHAT?

- **Eleventh edition** of the exercise
- annual **self-assessment questionnaire** about the efforts of countries in **making public data resources available and stimulating its reuse**
- in 2025: 36 countries, including the EU-27, 3 EFTA countries (IS, NO, CH), and 6 candidate countries (BA, AL, ME, MK, RS, UA)



Open data maturity in Europe is evaluated on four dimensions

Policy



- Policy framework
- Governance of open data
- Open data implementation

Quality



- Metadata currency and completeness
- Monitoring and measures
- DCAT-AP compliance
- Deployment quality and linked data

Portal



- Portal features
- Portal usage
- Data provision
- Portal sustainability

Impact

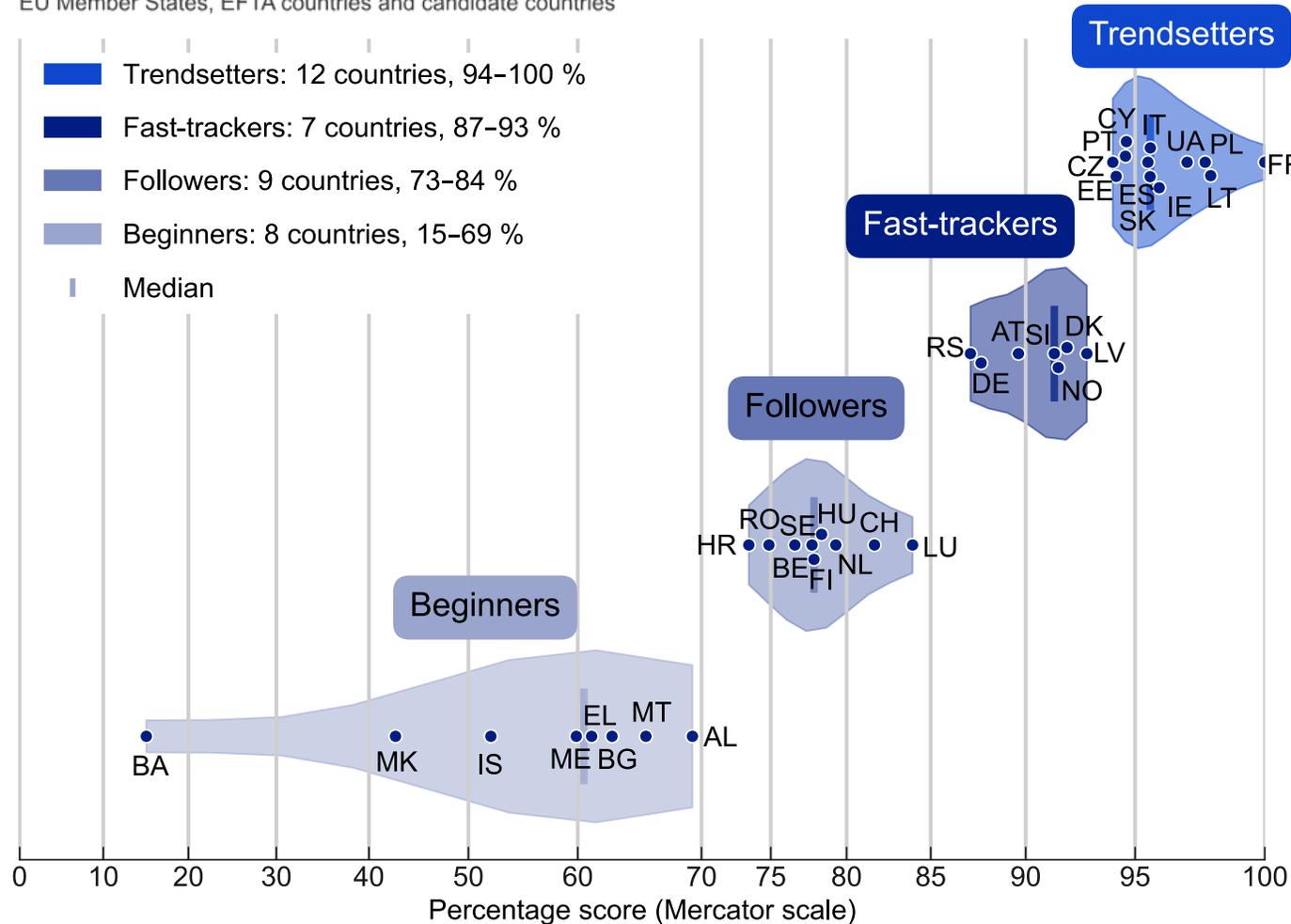


- Strategic awareness
- Measuring reuse
- Created impact
 - Governmental
 - Social
 - Environmental
 - Economic

Average Open Data Maturity in the EU reached 86% in 2025, an increase of 3 percentage points

Cluster groups based on overall maturity score

EU Member States, EFTA countries and candidate countries



Most mature countries



France



Poland

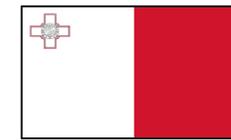


Lithuania

Most improved countries



Albania
(+ 23 pp)



Malta
(+ 19 pp)

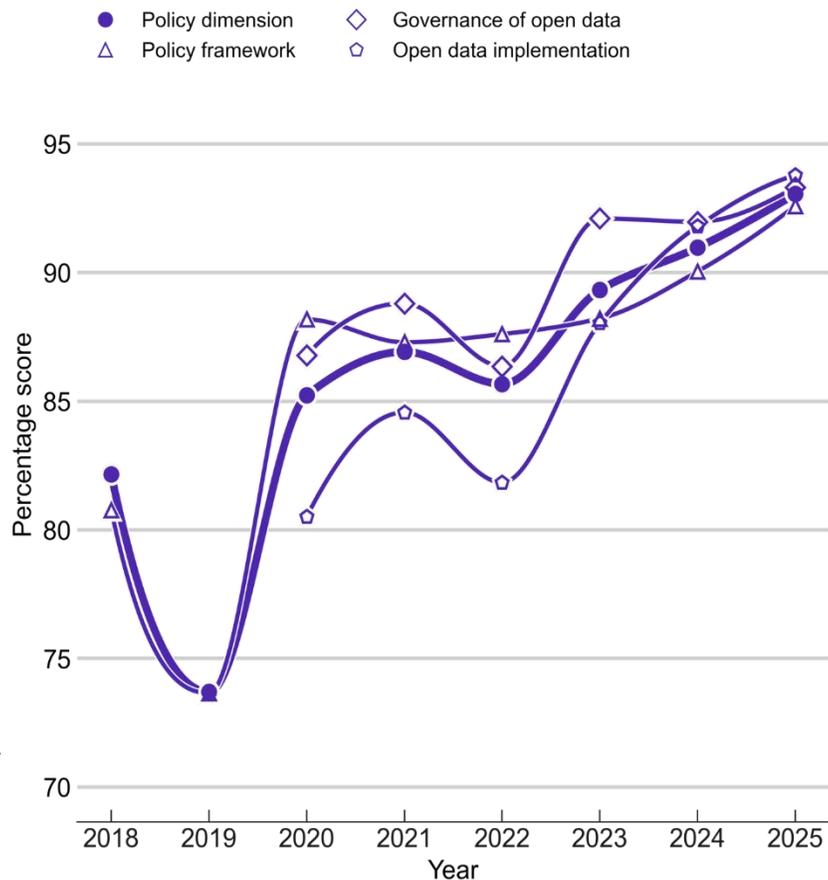


Germany
(+ 11 pp)

The policy dimension remains the most mature reflecting a mature open data policy framework in Europe

EU-27 average 2018 – 2025

Policy maturity score over time
EU-27, 2018–2025



WHAT?

- What policies and strategies regarding open data are in place?
- What are the governance models for managing open data?
- What are the measures deployed to implement the policies and strategies?

Most mature countries



France



Estonia



Poland



Ukraine



Italy



Lithuania

Most improved countries



Croatia
(+ 16 pp)



Romania
(+ 16 pp)

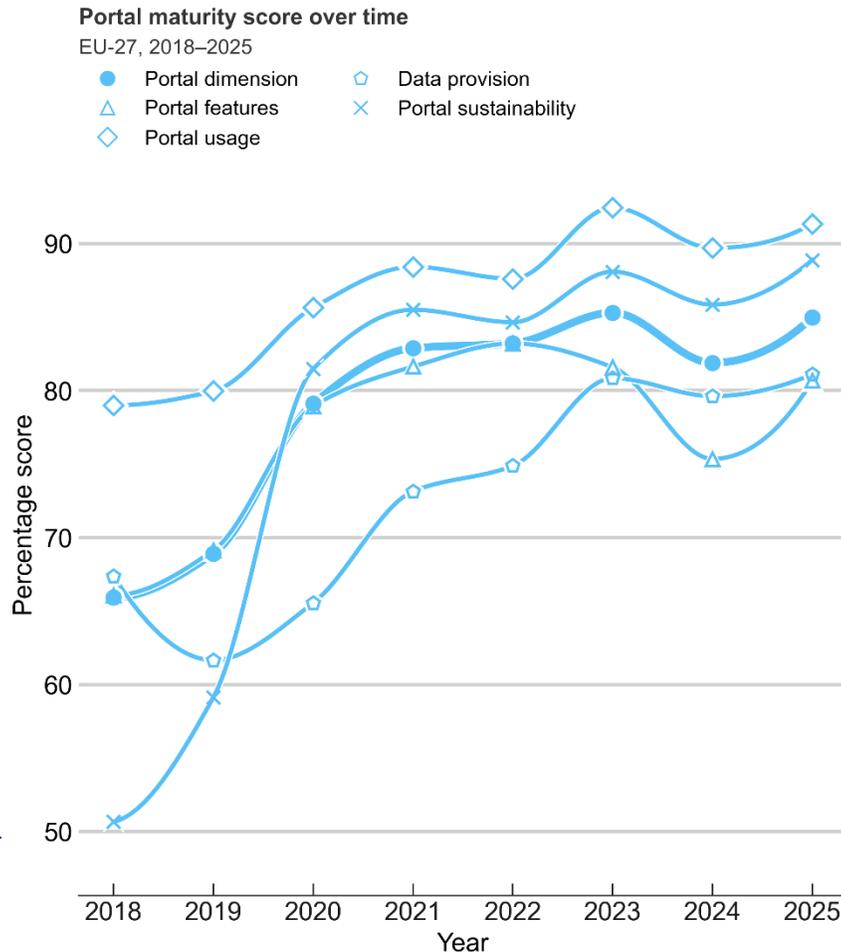


Malta
(+ 9 pp)

Open data governance is becoming more institutionalised, with countries increasingly embedding open data practices into long-term administrative routines

The portal dimension remains the second most mature with more focus on user needs and user-centric features

EU-27 average 2018 – 2025



WHAT?

- What functionalities are there on the national open data portal?
- What processes are there to translate user needs into portal improvements?
- What is the availability of open data across various sectors?
- What strategies are in place to ensure the portal’s long-term sustainability

Most mature countries



Poland



France



Ukraine



Lithuania

Most improved countries



Malta
(+ 30 pp)



Germany
(+ 18 pp)



Albania
(+ 18 pp)



Portugal
(+ 15 pp)

More portals demonstrate progress in enabling user-centric features such as SPARQL endpoints for automated metadata access, promoting High-Value Datasets, and engage in activities to understand users’ needs.

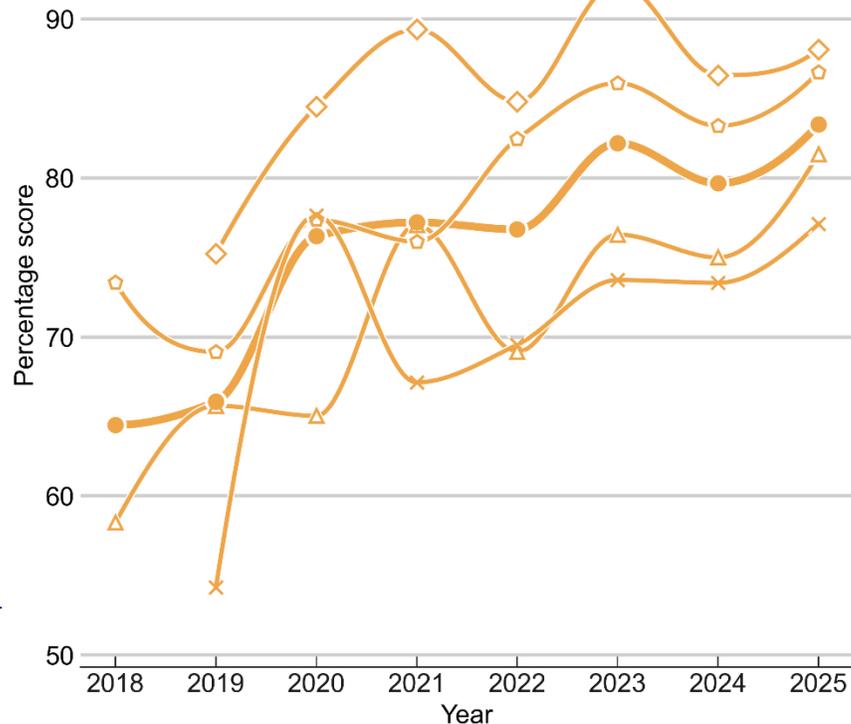
The quality dimension improved year-on-year with improvements in metadata currency and completeness

EU-27 average 2018 – 2025

Quality maturity score over time

EU-27, 2018–2025

- Quality dimension
- △ Metadata currency and completeness
- ◇ Monitoring and measures
- DCAT-AP compliance
- × Deployment quality and linked data



WHAT?

- What measures are in place to ensure the systematic and timely harvesting of metadata?
- What monitoring mechanisms and supporting activities are there to ensure the publication of metadata that is compliant with licensing requirements, the DCAT-AP metadata standard and several deployment quality requirements?

Most mature countries



France



Latvia



Ukraine

Most improved countries



Albania
(+ 61 pp)



Malta
(+ 31 pp)

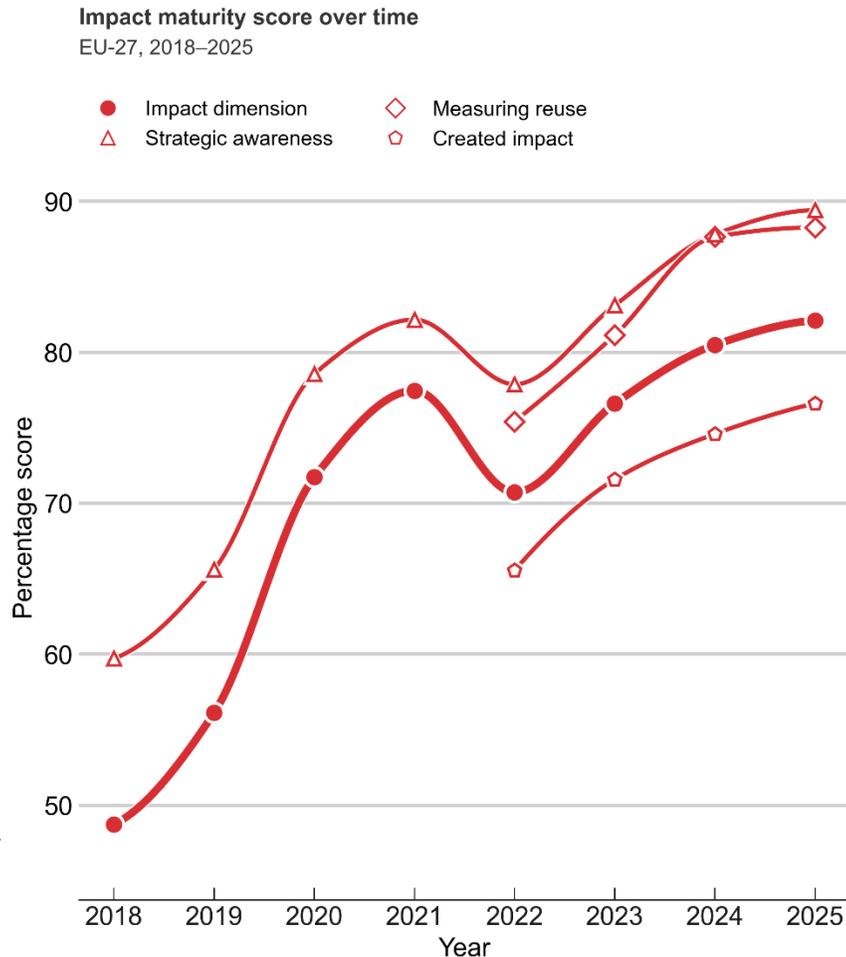


Greece
(+ 16 pp)

Although progress continues, a key challenge reported this year is the technical integration required to ensure DCAT-AP-compliant metadata across diverse national systems.

The impact dimension again increased the most, reflecting ever greater attention to resultant outcomes

EU-27 average 2018 – 2025



WHAT?

- What definitions and methods are there to measure open data reuse?
- What steps are taken to assess reuse and reuser needs?
- What reuse examples are available?

Most mature countries



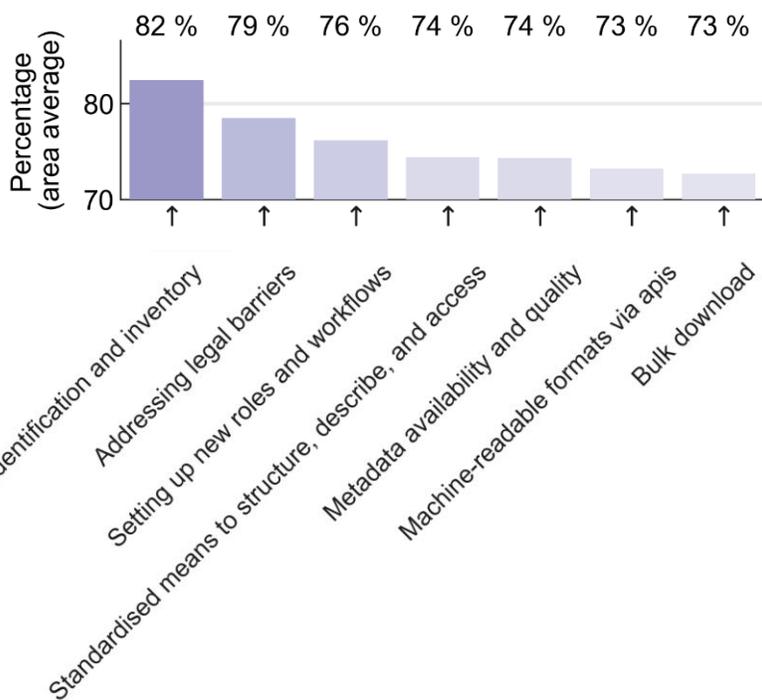
Most improved countries



More countries report collaborations between government, civil society and academia to create and document open data impact.

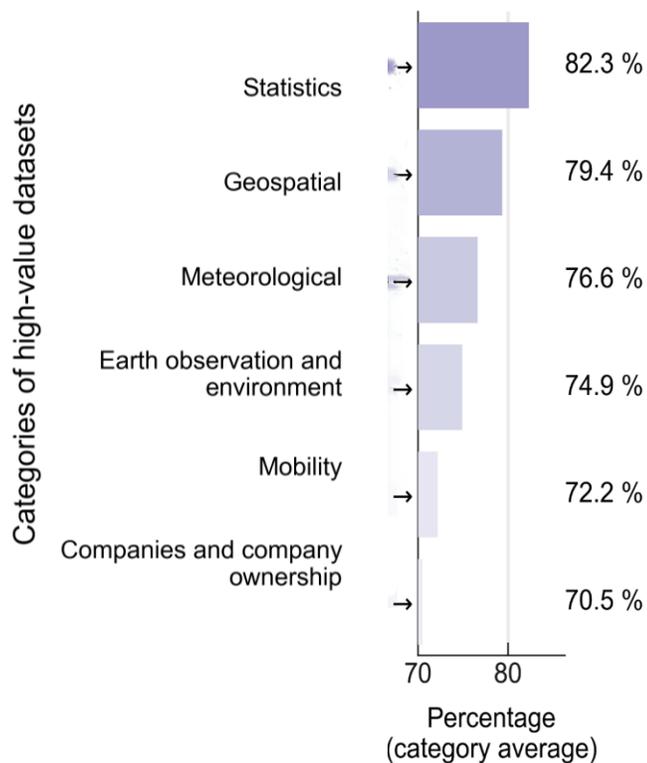
Member States continue to make progress in implementing the HVD requirements, although technical requirements continue to be less mature than non-technical requirements

Requirements

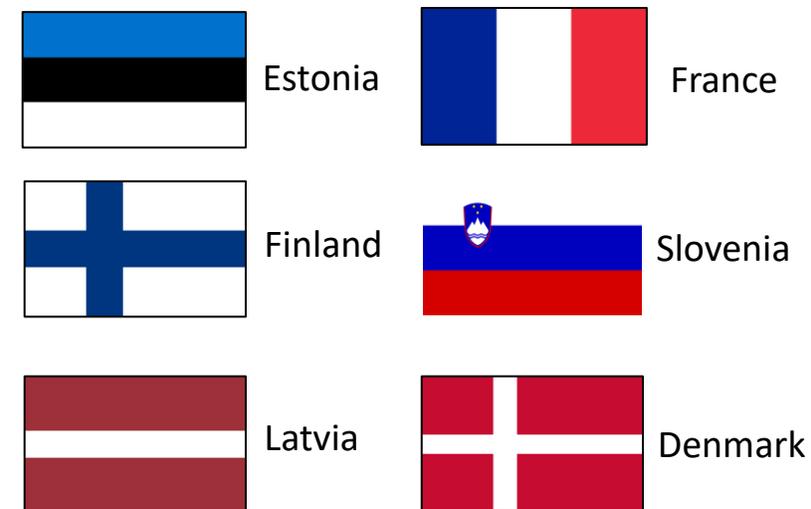


Areas of progress

Categories



Most mature countries



Find the 2025 ODM findings on the EDP's new interactive site for open data maturity

2025 open data maturity assessment – how did European countries do?

Interact with the results, download the report or visit the country profiles.

[Download the report](#) [Go to country profile](#)

State of play on open data – 2025

Belgium

Assessment methodology

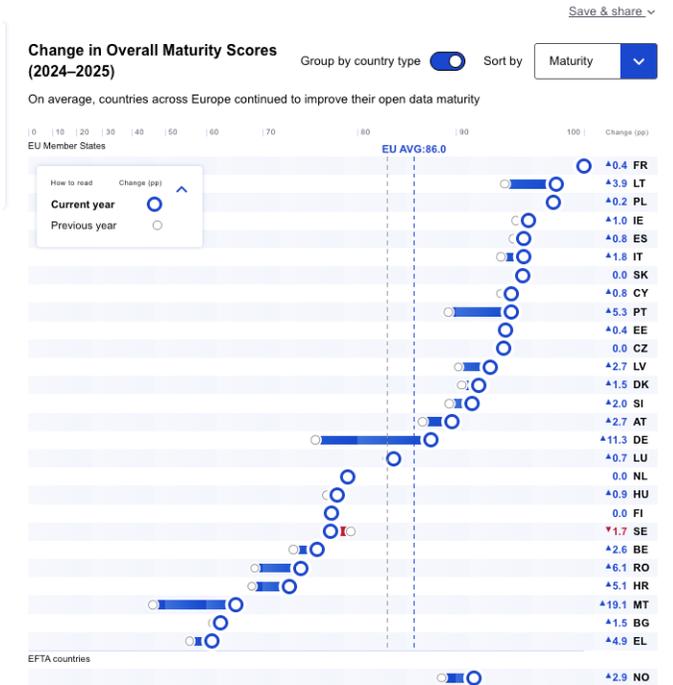
Open data maturity is measured on four thematic dimensions: policy, portal, quality and impact. Each dimension contributes an equal 25 % towards the overall maturity score.

- Policy** Investigates the open data policies and strategies in place in the countries, the national governance models for managing open data and the measures applied to implement those policies and strategies.
- Portal** Investigates the functionality of national open data portals, the extent to which users' needs and behaviour are examined to improve the portal, the availability of open data across different domains and the approach to ensuring the portal's sustainability.
- Quality** Investigates the measures adopted by portal managers to ensure the systematic harvesting of metadata, the monitoring of metadata quality and compliance with the DCAT-AP metadata standard and the quality of the deployment of the published data on the national portal.
- Impact** Investigates how well countries define and measure data reuse, the steps taken to assess reuse and user needs and the presence of reuse examples in the domains of government, society, the environment and the economy.

2025 maturity scores of Belgium

Dimension	Score (%)	Change YoY
OVERALL MATURITY	76.6	▲ 2.6
Policy dimension	82.8	0.0
Portal dimension	82.8	▲ 4.5
Quality dimension	75.4	0.0
Impact dimension	65.5	▲ 6.0

Maturity scores of Belgium over time



2025 Open Data Maturity Assessment: Spain

27 February 2026



GOBIERNO
DE ESPAÑA

MINISTERIO
PARA LA TRANSFORMACIÓN DIGITAL
Y DE LA FUNCIÓN PÚBLICA

SECRETARÍA DE ESTADO
DE DIGITALIZACIÓN
E INTELIGENCIA ARTIFICIAL
DIRECCIÓN GENERAL
DEL DATO

red.es

Iniciativa
aporta

datos.gob.es

1. Introduction

- Summary: Open Data Maturity 2025
- General Directorate of Data
- Spain's Administrative Structure

2. The Aporta Initiative

- Objectives & Collaboration
- National Open Data Catalogue

3. Services in datos.gob.es

- For Reusers
- For Publishers

4. Current Performance & Rankings

- Strengths: Policy, Portal & Impact
- Challenges: Quality & other gaps

5. Roadmap 2026: The Path Forward

- Impulsa Data Project
- Spain's Commitment to Open Data

6. Technical Standards & Innovation

- DCAT-AP-ES Profile
- Publishing Data for AI

Summary – Open Data Maturity 2025: Spain

- Spain ranks 5th (95.6%), excelling in Impact (100%), Policy (99.2%), and Portal (95.5%).
- Challenges: fee-based HVDS, lack of data previews, and inconsistent metadata quality across publishers.
- 2026 Roadmap: implement the *Technical Interoperability Standard for the Reuse of Public Sector Information Resources* (NTI-RISP), ensure free HVDS access, enhance portal search/analytics, strengthen metadata standards, and integrate qualitative impact measures.



General Directorate of Data

Origin

- Created in the Royal Decree on Structure on February 28, 2024 of the Ministry for Digital Transformation and Public Function
- It depends on the Secretary of State for Digitalization and Artificial Intelligence



Team

- Sub-Directorate-General for Programmes, Governance and Promotion
- Design, Innovation and Exploitation Division

Main functions



Private sector

- Promote innovation, productivity and competitiveness through new business models linked to the sharing of data between companies.
- Promote the development and deployment of data spaces in all productive sectors of the economy.

Public sector

- Promote the use of data for better policies and services in administration.
- Develop use cases or strategic projects in collaboration with sectoral units.
- Promote good practices, standards and foster a data-oriented culture.
- Coordinate the implementation of European data regulations

Spain's Administrative Structure

Spain is a highly decentralized country with three levels of government, all producing data:

- General State Administration: The central government (Ministries and National Bodies).
- 17 Autonomous Communities: Regions with their own parliaments and extensive competencies (Health, Education, etc.).
- 2 Cities with Autonomy Statutes: Ceuta and Melilla.
- 8,132 Local Entities: Municipalities and Provincial Councils.

Challenge: Coordinating interoperability across these 8,000+ independent data publishers is the core mission of the Aporta Initiative.



What is the Aporta Initiative?

The Aporta Initiative, managed since Red.es, is the national strategy for coordinating and promoting the opening of data from the public sector, and for promoting the development of advanced services based on them.

OBJECTIVES

- Promote and coordinate the opening of data generated by the public sector.
- Stimulate a market linked to the reuse of public sector information.
- To contribute to promoting the conditions for the development of the European Data Strategy in Spain.

EUROPEAN STRATEGY

Digital Agenda for Europe / European Directives /
Publication Standards, Privacy / European Data Strategy /
AI Law

NATIONAL STRATEGY

Digital Agenda for Spain / AI Strategy / Law 37/2007 / V
Open Government Plan

NATIONAL OPEN DATA ACTION PLAN

Iniciativa
aporta

Who Collaborates?

Within the framework of the Aporta Initiative, collaboration is carried out with international and national agents, and with the public and private sectors through an inclusive governance model.



INTERNATIONAL OPEN DATA INITIATIVES

DATA MANAGERS

PUBLIC SECTOR

- National
- Regional
- Local
- Universities

PRIVATE SECTOR

REUSERS

- Companies
- Entrepreneurs
- Public Administrations
- Civil Society
- Universities
- Citizens



NATIONAL COORDINATION GROUPS

Business associations

Civil society organizations

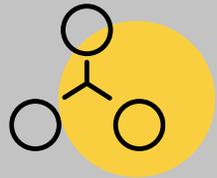
Autonomous communities working groups

Network of local entities

Network of universities

What Actions are Carried Out?

The Aporta Initiative is developed through 7 lines of action...



National Catalogue and support



Awareness



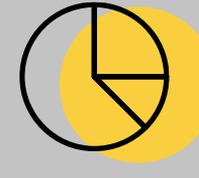
Regulation



National Cooperation



International Cooperation



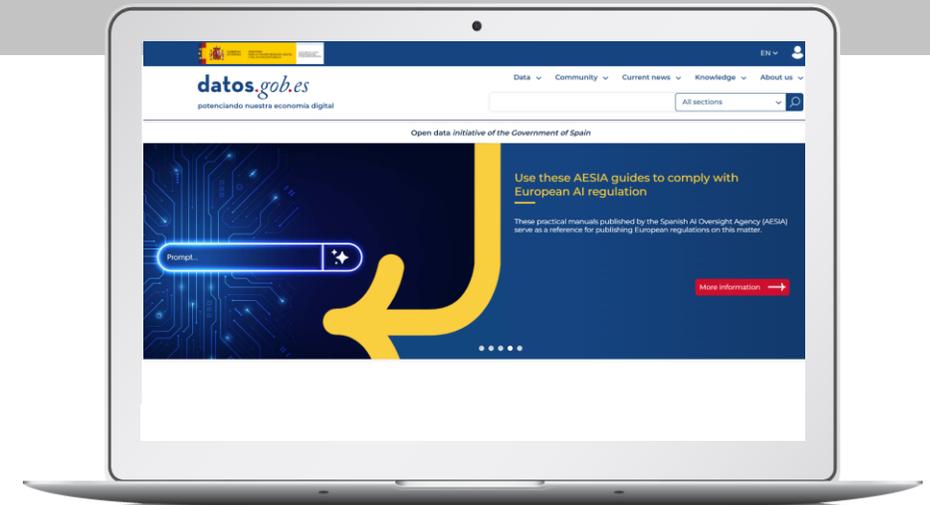
Analysis and Statistics



Innovation

... which are reflected on datos.gob.es

Meeting point for the administrations, companies, and citizens that are part of the open data ecosystem in Spain.



National Open Data Catalogue

datos.gob.es hosts the National Open Data Catalogue, an access point to more than 90,000 datasets that the Spanish public administration makes available for reuse.

Communication channel with the European data portal

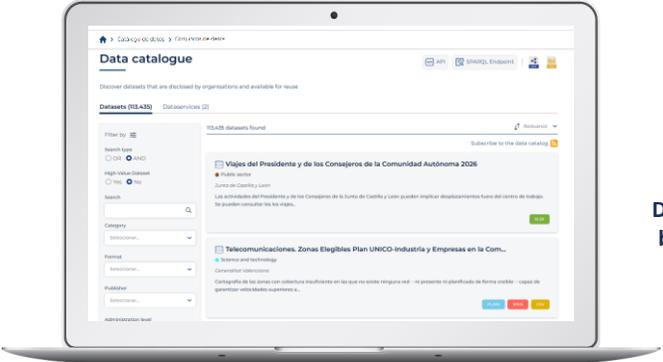
National data initiatives

Access point

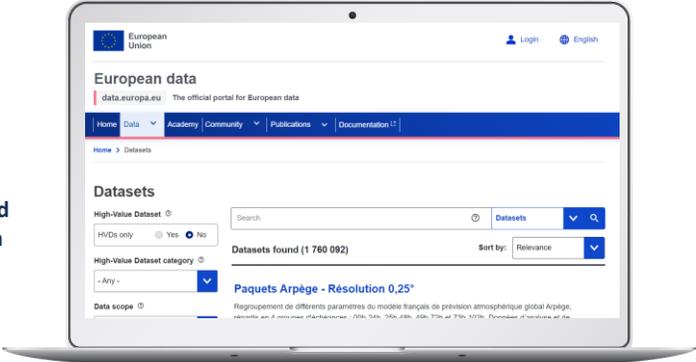
European users can access the data from Spain's initiatives through data.europa.eu



Datasets are harvested by datos.gob.es



Datasets are harvested by the European Data Portal



Services for Reusers

If you are a reuser looking for data, inspiration, or simply to promote your services



Data access



Data requests



Interaction with publishers



Solution guides



Expert notes



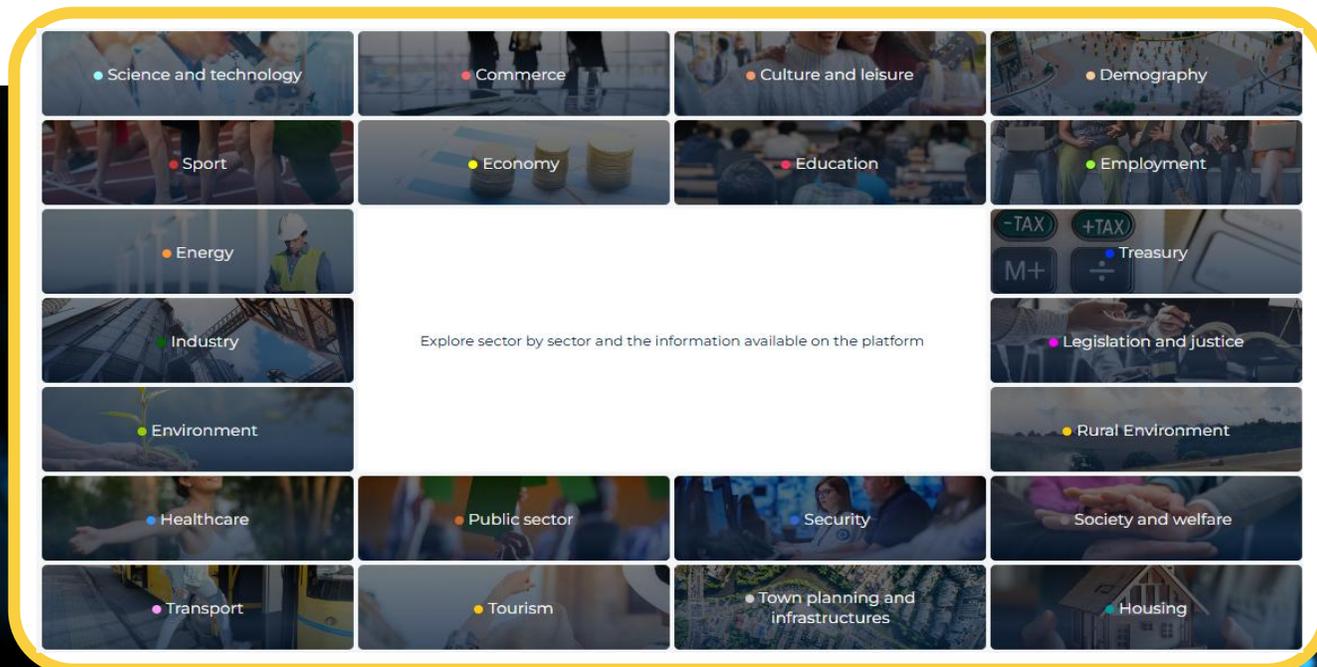
Challenges

Space to discover existing data-driven solutions and showcase your own developments — [applications catalogue](#)

Environment where you can describe your company and services
[companies catalogue](#)

Services for Reusers

Multiple mechanisms to locate and access data of interest



The “**National Single Information Point**” has also been launched, from where **researchers** can request protected public-sector data.

Services for Reusers

Can't find the data you're looking for?

Data request

In this section you can make requests about **data that are not yet available in the Data Catalogue.**

Data request

Using this form you can **request an open dataset** that is not currently published in the datos.gob.es catalogue, or **request a protected dataset** through the **National Single Information Point (NSIP)**.

Select the type of application you want to file.



Add new comment

Comments section

Directly engage with the publishing body:

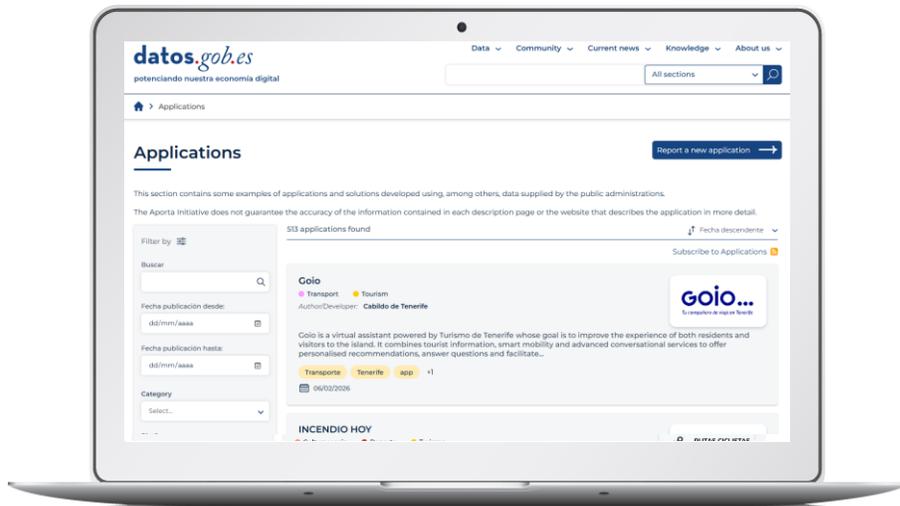
- **Resolve questions.**
- **Suggest improvements.**
- **Report errors or broken links.**

Services for Reusers

Get inspired: Applications Catalogue

A space that gathers more than 400 applications developed by companies, public administrations, and citizens using open data.

- Health and well-being
- Environment
- Tourism and leisure
- Transport and mobility
-

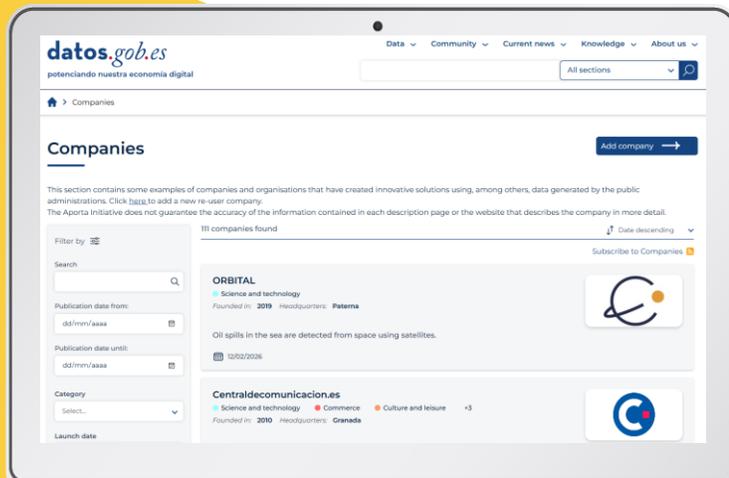


Services for Reusers

Connect: Companies Catalogue

A directory with more than 100 companies that have created innovative solutions based, among other things, on the use of data from public administrations.

- Discover who the key players in the market are.
- Find potential technology partners for your projects.
- Promote your own company and the services it offers.

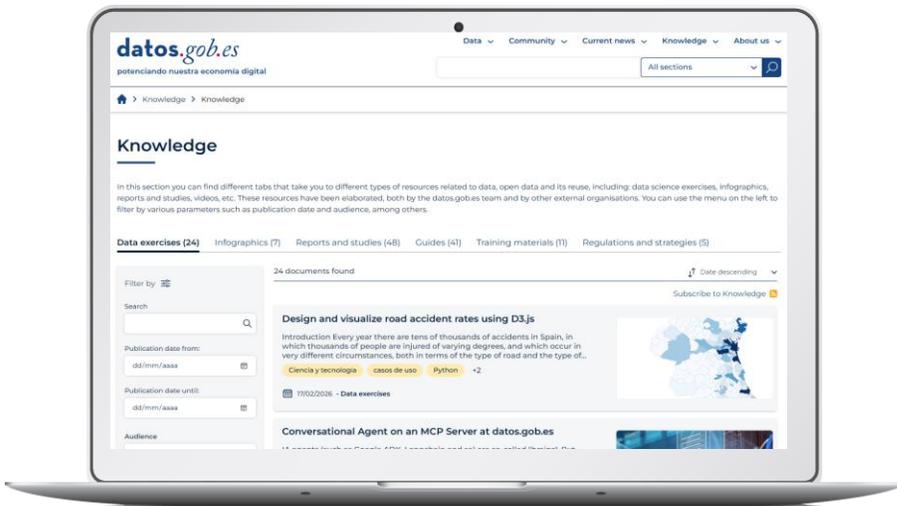


Services for Reusers

Learn: training and informational materials

We offer a wide range of resources for all levels.

- **Guides and practical materials:**
 - **Guides** on standards, best practices, data analysis, etc.
 - Practical data science **exercises**.
- **Current affairs and trends:**
 - **News** from the open data ecosystem.
 - Innovation **blog** with articles by experts on AI, Big Data, etc.
 - **Podcasts** featuring experts in the data field.
 - Biweekly **newsletter** to stay up to date.

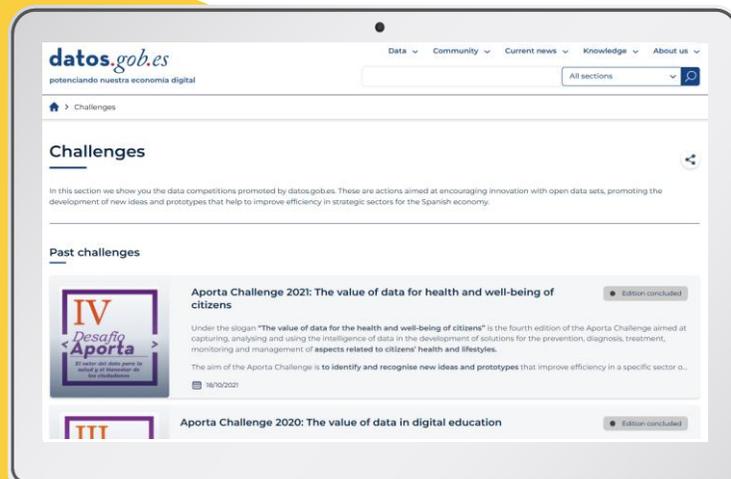


Services for Reusers

Compete: the Aporta Challenges

They are idea and prototype competitions that seek innovative solutions to specific societal challenges using open data.

- The value of data for public administration.
- The value of data in digital education.
- The value of data for health and well-being.



Services for Publishers

We help you comply with regulations and give visibility to your data



National Catalogue



Dissemination of initiatives



Interaction mechanisms



Position the initiative



Open Data space



Private area

Guides and resources for publishing data at the highest level of interoperability

datos.gob.es/guides

Guidance and guidelines for data publication

soporte@datos.gob.es

Services for Publishers

Publication in the National Catalogue through metadata federation

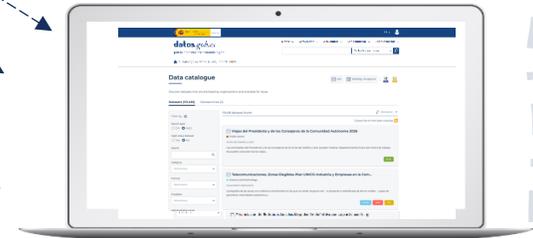
Open data federation in the Catalogue can be carried out in two alternative ways:

manual upload
automatic federation

**MANUAL
UPLOAD**
through the use
of forms

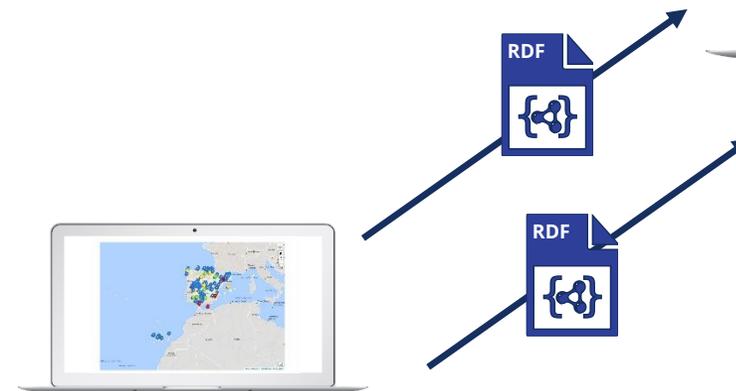


Available profiles
DCAT-AP-ES
NTI-RISP (2013)



datos.gob.es

**AUTOMATIC
FEDERATION**
by exposing an RDF
file that publishes
resources



Services for Publishers

Feedback: information about your catalogue on datos.gob.es

Federation reports / Broken link monitoring

The screenshot displays the 'datos.gob.es' interface. On the left, there is a 'Informe de tareas' (Task Report) section with a table of task details. Below it is a 'Resumen de errores/advertencias' (Summary of errors/warnings) section. The main content area shows 'Enlaces rotos' (Broken links) with a table of broken links. A modal window titled 'Distribuciones (3)' (Distributions (3)) is open, showing options for file formats: 'CSV: separado por ;' (checked), 'CSV: separado por tabuladores', and 'Excel: Extension XLSx' (checked).

Identificador	3484751-3430-4956-8918-636a26295492
Creado	17 de septiembre de 2020, 8:02 (UTC+02:00)
Empezado	17 de septiembre de 2020, 8:19 (UTC+02:00)
Terminado	17 de septiembre de 2020, 8:29 (UTC+02:00)
Estado	Terminado

Comar	Mensaje
156	[Error: Indefinido] Por favor, asegurese de que la URL es correcta. Detalles: [Error: Indefinido] Por favor, asegurese de que la URL es correcta. Detalles: [Error: Indefinido] Por favor, asegurese de que la URL es correcta. Detalles: [Error: Indefinido] Por favor, asegurese de que la URL es correcta. Detalles: [Error: Indefinido]

Estados	Cantidad
502	56
404	30
502	29
400	5

To add an automatic source
[My account](#) > Federator > Add federation source



[How to perform an automatic upload of datasets?](#)

Services for Publishers

Documentation, references, and guides

datos.gob.es
potenciando nuestra economía digital

Data Community Current news Knowledge About us

Knowledge > Knowledge

Knowledge

In this section you can find different tabs that take you to different types of resources related to data, open data and its reuse, including: data science exercises, infographics, reports and studies, videos, etc. These resources have been elaborated, both by the datos.gob.es team and by other external organisations. You can use the menu on the left to filter by various parameters such as publication date and audience, among others.

Data exercises (0) Infographics (0) Reports and studies (1) **Guides (21)** Training materials (3) Regulations and strategies (3)

21 documents found | Date descending

Filter by: Search, Publication date from, Publication date until, Audience, Authorship

Guidance for the deployment of data portals. Good practices and recommendations
03/04/2025 - Guides

How to develop a plan of measures to promote openness and reuse of open data

[Documentation for publishers](#)

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potenciando nuestra economía digital

Data Community Current news Knowledge About us

Knowledge > Guías de datos.gob.es

Guías de datos.gob.es

Publication date	Update date	Type
04/12/2017	22/09/2025	Guías

Las guías de la plataforma datos.gob.es están compuestas por una navegación del portal web datos.gob.es y una guía de mantenimiento y actualización de los conjuntos de datos reutilizables publicados en el Catálogo de datos. Esta segunda guía esta dirigida a los gestores de los organismos públicos que publican los conjuntos de datos y se encargan de su mantenimiento en esta plataforma.

Documentation

Guía para organismos públicos	3,38 MB	PDF
Guía para organismos públicos	5,57 MB	DOCK
Guía de navegación	5,24 MB	PDF
Guía de navegación	15,55 MB	DOCK
Plantilla RDF/XML para la federación de conjuntos de datos	10,2 KB	RDF
Plantilla RDF/XML para la federación paginada	11 KB	RDF

organizaciones tecnologías normativas estándares

[Templates and guides for public bodies](#)

Services for Publishers

Technical implementation guides

NTI-RISP

- Guía técnica NTI-RISP
- Introducción
- Implementación práctica de los metadatos de la NTI-RISP
- Modelo de metadatos
- Clases de la NTI-RISP
- Espacio de nombres utilizados en el modelo
- Vocabularios controlados utilizados en el modelo
- Relación de metadatos del modelo NTI-RISP
- Catálogo - Clase: dcat:Catalog - Obligatorio
- Conjunto de datos - clase: dcat:Dataset - Obligatorio
- Distribución - Clase: dcat:Distribution - Obligatorio
- Anexo 1. Guía de referencia rápida de NTI-RISP
- Anexo 2. Taxonomías NTI-RISP
- Taxonomía de sectores primarios

Guía técnica de implementación del modelo de metadatos de la NTI-RISP

NTI-RISP 1.0.0
30 de abril de 2025



Más detalles sobre este documento

Última versión publicada:
<https://datosgobes.github.io/NTI-RISP>

Último borrador del editor:
<https://github.com/datosgobes/NTI-RISP/releases/tag/1.0.0>

Historial:
Histórico de cambios

Editores:
Equipo gestor de la plataforma datos.gob.es (Iniciativa Aporta)

Retroalimentación:
GitHub NTI-RISP

- Solicitudes de extracción (PR)
- Nueva incidencia (Issue)
- Incidencias (Issues)
- Discusión

Propietarios:
Iniciativa de datos abiertos del Gobierno de España

Guía técnica y modelo DCAT-AP-ES

- Introducción
- Modelo de metadatos DCAT-AP-ES
- Diagrama del modelo
- Clases del perfil de aplicación DCAT-AP-ES
- Espacio de nombres utilizados en el modelo
- Vocabularios controlados utilizados en el modelo
- Relación de metadatos del modelo DCAT-AP-ES
- Catálogo - Clase: dcat:Catalog - Obligatorio
- Registro del catálogo - Clase: dcat:CatalogRecord - Opcional
- Servicio de datos - Clase: dcat:DataService - Opcional
- Conjunto de datos - clase: dcat:Dataset - Obligatorio
- Distribución - Clase: dcat:Distribution - Recomendado

DCAT-AP-ES

Guía técnica de implementación y modelo del perfil de aplicación DCAT-AP-ES

DCAT-AP-ES 1.0.0



Más detalles sobre este documento

Fecha de referencia:
2025

Última versión publicada:
<https://datosgobes.github.io/DCAT-AP-ES>

Último borrador del editor:
<https://github.com/datosgobes/DCAT-AP-ES/releases/tag/1.0.0>

Historial:
Histórico de cambios

Editores:
Equipo gestor de la plataforma datos.gob.es (Iniciativa Aporta)

Retroalimentación:
GitHub DCAT-AP-ES

- Solicitudes de extracción (PR)
- Nueva incidencia (Issue)
- Incidencias (Issues)
- Discusión

Propietarios:
Iniciativa de datos abiertos del Gobierno de España

[Online guide](#)

[Code repository](#)

[Online guide](#)

[Code repository](#)

[DCAT-AP-ES: Model and available resources](#)

Services for Publishers

Resource cataloguing for organizations without their own catalogue

The screenshot shows the 'Create Dataset' form on the datos.gob.es website. The form includes the following fields and instructions:

- ES Name ***: Nombre o título del conjunto de datos en español. Requiere al menos un nombre en español.
- EN Name**: Nombre o título del conjunto de datos en inglés.
- CA Name**: Nombre o título del conjunto de datos en catalán.
- GL Name**: Nombre o título del conjunto de datos en gallego.
- EU Name**: Nombre o título del conjunto de datos en euskera.
- URL ***: `datos.gob.es/en/catalogo/<dataset>` URL en datos.gob.es. Se recomienda no editar.
- ES Description ***: Descripción detallada del conjunto de datos en español. You can use **Markdown formatting** here. Requiere al menos una descripción en español. Puede abrir o cerrar la ayuda para dar el formato al texto pulsando sobre el enlace "Formato Markdown".
- EN Description**: Descripción detallada del conjunto de datos en inglés. You can use **Markdown formatting** here. Puede abrir o cerrar la ayuda para dar el formato al texto pulsando sobre el enlace "Formato Markdown".

Two ways to access the form

- [Data catalogue](#) > Datasets > Add datasets
- [My account](#) > Datasets > Add datasets



[How to manually publish open data on datos.gob.es](#)

Services for Publishers

Body's private area

The screenshot shows the top navigation bar of the datos.gob.es website. The header includes the Spanish government logo and the text "GOBIERNO DE ESPAÑA", "MINISTERIO PARA LA TRANSFORMACIÓN DIGITAL Y DE LA FUNCIÓN PÚBLICA", and "SECRETARÍA DE ESTADO DE DIGITALIZACIÓN E INTELIGENCIA ARTIFICIAL". The main navigation menu includes "Data", "Community", "Current news", and "Kn". A search bar is present with the text "All sec". A user profile icon is in the top right corner, with a dropdown menu open. The menu items are: "Conjuntos de datos", "Federador", "Mis enlaces rotos", "Widget", "Mi cuadro de mando", "Iniciativas", "Aplicaciones", "Empresas", "Solicitudes de datos", "Comentarios catálogo", "Comentarios contenidos", "My Account", and "Log out". The main content area shows the "Data catalogue" section with a breadcrumb "Data catalogue > Datasets" and the text "Discover datasets that are disclosed by organisations and available for reuse". There are also buttons for "API" and "SPARQL".

Federation and resources

- Datasets
- Federator
- Broken links
- Widget

Analytics

- My dashboard

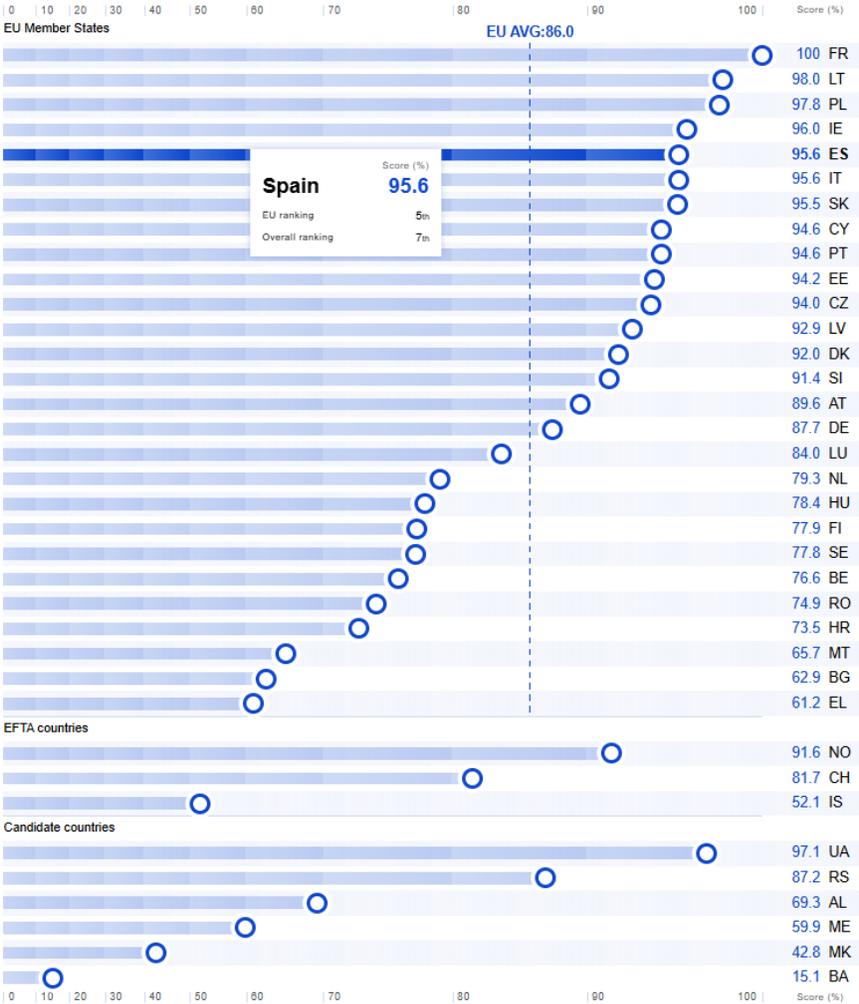
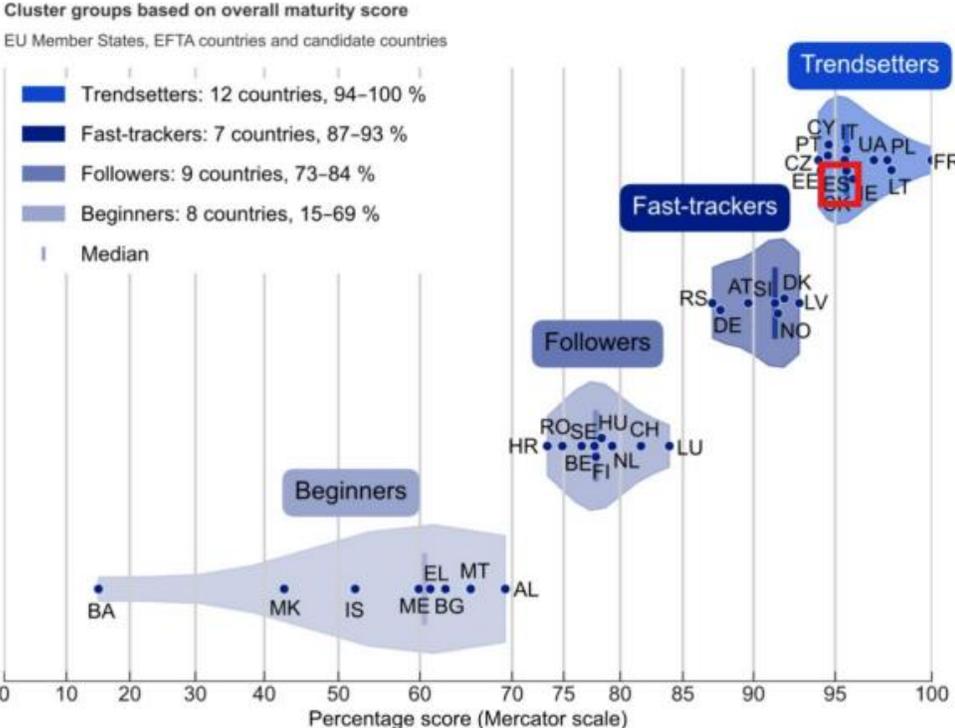
Interactions

- Initiatives
- Applications
- Companies
- Data requests
- Comments

Current Performance & Rankings

Spain among the trendsetters

Spain continues to strengthen its role as one of Europe's trendsetters countries in the field of open data. Spain ranks 5th among EU Member States and 6th overall, with 95.6% maturity score, well above the European average.



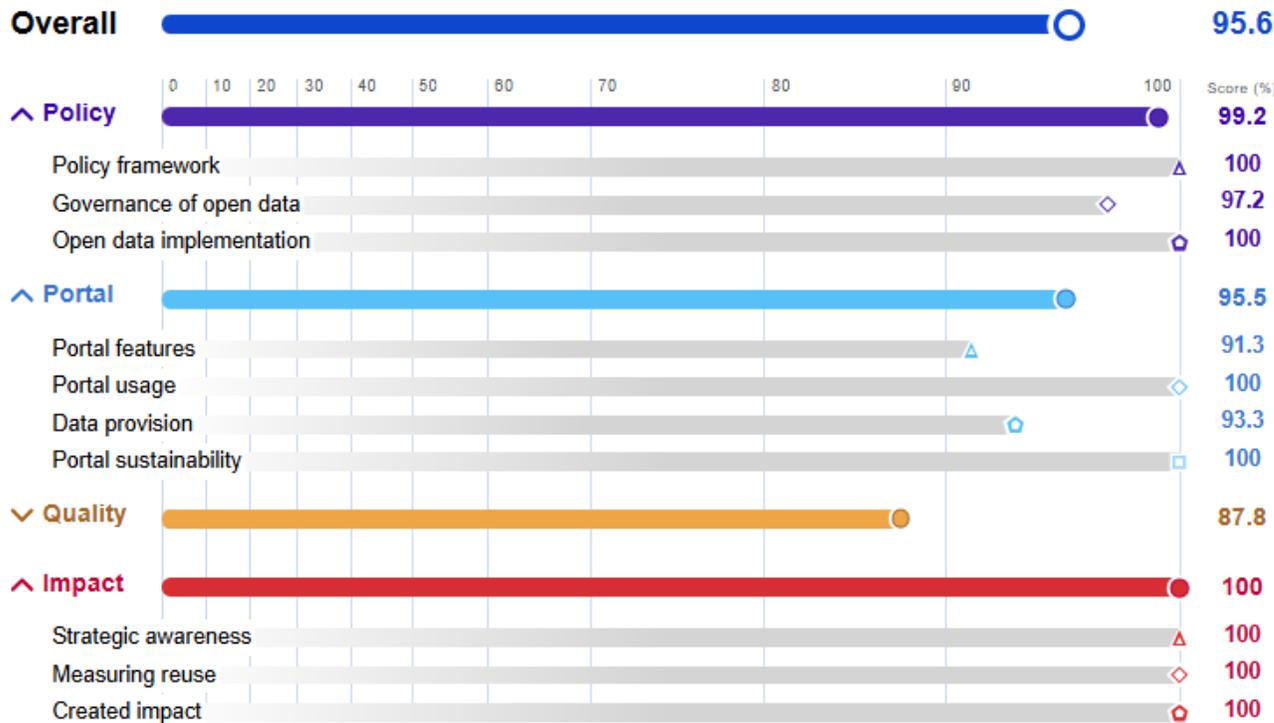
Key Strengths: The Pillars of Excellence

Spain stands out in impact, policy, and portal

2025 open data maturity in Spain

Countries have distinct profiles shaped by their maturity in the underlying indicators

Save & share ▾



- **Policy dimension:** score of **99.2%**. The main reason for this result is **progress in the regulatory framework**. Highlights: the V Open Government Plan and the publication of high-value datasets.
- **Portal dimension:** score of **95.5%**. The national portal, **datos.gob.es**, increased the production of informational content and news. Highlights: citizen-requested datasets partially published, more use cases and re-using companies registered on the portal, and more interactions to support publishers throughout the publication process.
- **Impact dimension:** score of **100%**. In this dimension, we continue to position ourselves as leading performers. Highlights: a clear definition of reuse, systematic measurement of data usage, and the existence of impact examples across governmental, social, environmental, and economic domains.

Challenges: Addressing the Gaps

Spain's weaknesses

2025 open data maturity in Spain

Countries have distinct profiles shaped by their maturity in the underlying indicators

[Save & share](#) v



- **Policy dimension:** To ensure the free publication of all High-Value Datasets (HVDS), we are **intensifying coordination with data providers**. Our goal is to accelerate the review of public pricing orders and legislative changes required to remove existing fees.
- **Portal dimension:** Since the assessment period, we have **launched the new National Open Data Portal**. This upgraded platform is designed to address previous limitations and will progressively integrate advanced **preview capabilities** for tabular and geospatial data.
- **Quality dimension (87.8%):** To ensure consistency across all publishers, we are drafting a new **Technical Interoperability Standard for the Reuse of Public Sector Information Resources (NTI-RISP)**. This regulation will mandate stricter adherence to quality standards, supported by **SHACL validation shapes** to automatically verify metadata compliance.

Roadmap 2026: The Path Forward

Closing the gap

- **Policy:** The new NTI-RISP (Technical Interoperability Standard for the Reuse of Public-Sector Information) has been published, requiring datasets to be released under specific quality criteria. Additionally, an update to the pricing orders is planned to make all HVDS available free of charge.
- **Portal:** After the report's questionnaire, the datos.gob.es platform underwent a major redesign, which included adjustments to the DCAT-AP-ES metadata profile. In addition, the search engine and the portal's monitoring tools were improved, including the tracking of external reuse through GitHub references and enhanced analytics via interactive dashboards.
- **Quality:** The publication of metadata is being promoted in accordance with quality standards, for which the DCAT-AP-ES specification and the new NTI-RISP have been introduced. These require public bodies to ensure consistency and meet minimum quality criteria. In addition, an initiative called **Impulsa Data** is being developed to encourage the publication of ministerial datasets on the national portal, in compliance with the recommended metadata standards.
- **Impact:** As for the impact dimension, which already scores 100%, the aim is to evolve from a framework that is largely quantitative to one that is more understandable and incorporates qualitative measures of open data impact.



Strategic Transformation

Changing how the AGE shares and activates data value.



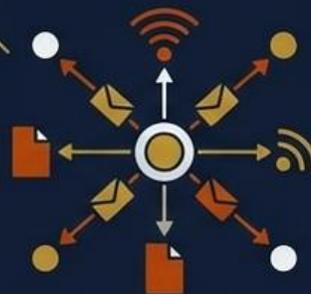
The Engine

Promoting Innovation, R&D, and AI development across all productive sectors.



The Framework

A key pillar of the National Plan for the Promotion of Data Spaces.



The Action

Ministries & Agencies releasing high-value data with specific usage conditions.

IMPULSA
DATA
PROJECT

SPAIN'S COMMITMENT TO OPEN DATA



Impulsing transparency, accountability, and collaboration with civil society.

NotebookLM

DCAT-AP-ES

The application profile, hereinafter, **DCAT-AP-ES**, is the metadata model included in the new version of the Technical Standard for Interoperability of Public Sector Information Resources (NTI-RISP), which is in the process of administrative processing.

The model adopts the guidelines of the **European DCAT-AP** metadata exchange scheme with **some additional restrictions and adjustments for Spain**, an application profile that in turn, is based on the DCAT specification, an RDF vocabulary created with the aim of improving interoperability between online data catalogs that has been developed by the Dataset Exchange Working Group since it was published as a recommendation by W3C in 2014.

The version of the European profile that is taken as a reference for the development of DCAT-AP-ES is DCAT-AP 2.1.1 together with the elements described in the DCAT-AP HVD 2.2.0 extension to incorporate the modeling of High Value Datasets.

<https://datosgob.es/github.io/DCAT-AP-ES/en/>

Publishing Data for AI

The FAIR principles (Findable, Accessible, Interoperable, Reusable) were born for open science, thinking about humans and traditional systems. AI transforms the consumption of information, a "FAIR" data may not be useful to train a model.

LEVEL 2: READINESS

Objective: Speed, Context and Operationalization.

Capabilities: DataOps, Data Observability, Synthetic Data, Vectorization.

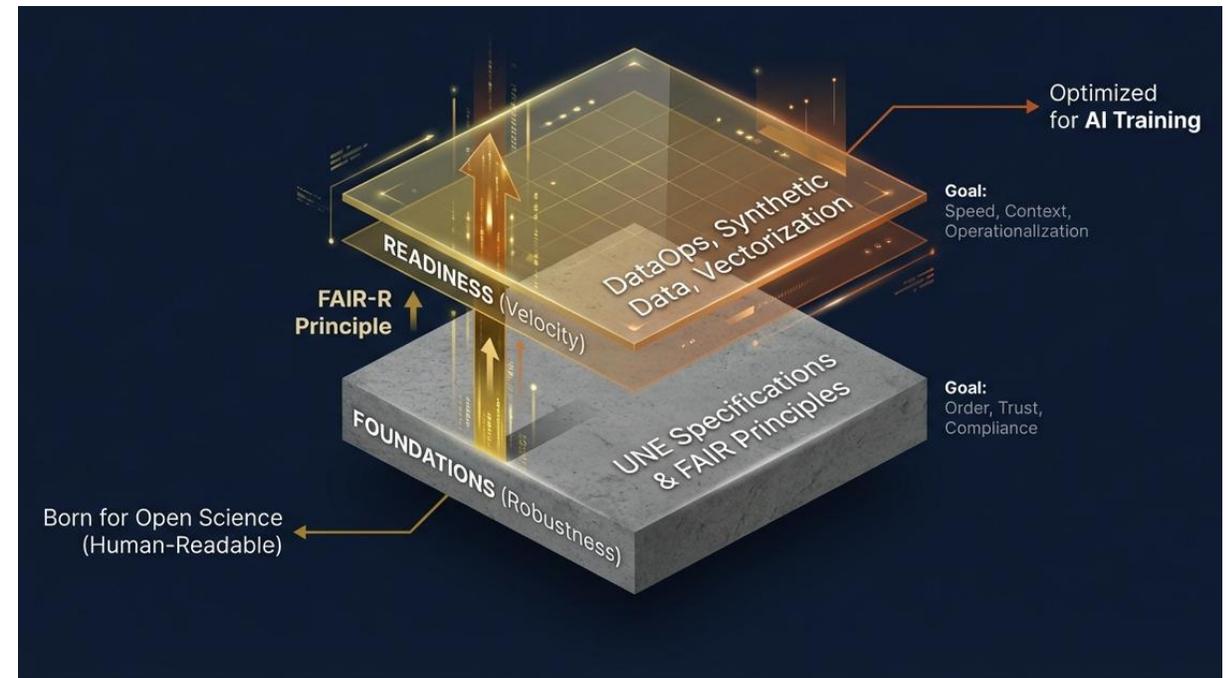
INTERFACE: FAIR-R Principle (FAIR 2)

"R" (Readiness AI) activating the foundations raised.

LEVEL 1: FOUNDATIONS (UNE / DAMA Approach - "Robustness")

Objective: Order, Trust and Compliance.

Standards: UNE Specifications, FAIR Principles



DO YOU WANT TO KNOW MORE?

Visit datos.gob.es



Subscribe to our [newsletter](#)
Write to contacto@datos.gob.es

Open Data Maturity 2025

How to keep on improving one's open data practices - France's insights



About me

Thanh Ha LE

Data product portfolio manager

- Interministerial data unit
- Responsible for overseeing and supporting data products across French ministries
- In charge of promoting interministerial data products (data.gouv.fr, etc.)

Direction interministérielle du numérique

- Department in charge of France's digital strategy
- Under the Prime Minister authority

Contact details

- thanh-ha.le@numerique.gouv.fr



Agenda

Policy	Part 1
Portal	Part 2
Quality	Part 3
Impact	Part 4



A public data infrastructure beyond open data

Policy

- An established open data policy supported by a solid organisational framework
- Active community engagement in shaping the national strategy
- Transparent public tracking of data requests and publication

Portal

- A user-centred platform evolving based on identified needs
- A portal strategy guided by measurable impact indicators
- Thematic platforms aligned with priority public policies

Quality

- Standardised data schemas promotion and adoption
- Quality feedback provision
- Experimentation on AI-driven features to enhance data quality

Impact

- A structured framework for measuring impact
- Strong initiatives to stimulate reuse and generate value from open data

Policy



An established open data policy supported by a solid organisational framework

One key principle : open data by default

- All documents produced or received within the framework of a public service mission have to be published by default.

A well-structured governance

- A General Data Administrator (within the Interministerial Directorate for Digital Affairs) ;
- Within each ministry, a Ministerial Data Administrator ;
- Open data officers ;
- An interministerial open data team.

A concrete implementation

- Within each ministry, digital and data roadmaps and yearly action plans.



Active community engagement in shaping the national strategy

Through an open forum, surveys, interviews, etc.

forum.data.gouv.fr data.gouv.fr Guides Support Donnez votre avis S'inscrire Se connecter

Bienvenue sur le forum de la plateforme data.gouv.fr

Echangez avec la communauté, partagez vos retours sur la plateforme et demandez l'ouverture de données.

catégories étiquettes Catégories Récents Top

Catégorie	Sujets
Recherche et ouverture de données	2/semaine
Vous ne trouvez pas les données que vous cherchez ? Faites le savoir et discutons-en ici.	
Retours sur la plateforme data.gouv.fr	1/semaine
Dites-nous ce que vous aimez, ce que vous détestez et ce que vous souhaitez pour la plateforme.	
Autres questions / réponses	2/semaine
Vous avez une autre question sur la plateforme ou les données ouvertes ?	
Schémas et standards de données	6
Cette catégorie est dédiée aux discussions relatives aux schémas de données et standards de données.	

Transparent public tracking of data requests and publication

Through ouverture.data.gouv.fr

RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité

Ouverture data.gouv.fr

Tableau de suivi des ouvertures de données, codes sources et API publics

Données API Réutilisations Organisations Commencer sur data.gouv.fr Actualités Nous contacter

Suivre les ouvertures de données publiques

Les données ouvertes (open data) sont des données accessibles librement, gratuitement et réutilisables par toutes et tous.

Ce site permet de suivre les ouvertures de données publiques annoncées ou les demandes en cours.

Voir les différentes catégories de données

Demandes d'ouvertures Suivi des prochaines publications de données en open data.	Données de forte valeur Suivi de l'ouverture des données de forte valeur identifiées par la Commission européenne.	Engagements ministériels Suivi des engagements ministériels en matière de données ouvertes.
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Portal



An open, community-based
platform designed to centralise
and structure public data.



The catalog of French data

Open and restricted data and APIs from government agencies and civil society organisations.

Free publication via direct upload, harvesting or API.



74k

Datasets and API

385k

Files

6k

Organisations



A dynamic and committed community

A community of data producers and reusers who exchange and share their uses.



Le Monde

Pappers



5k

Reuses

72k

Users

17k

Discussions



A user-centred platform evolving based on identified needs

Developments prioritised based on :

- User feedbacks
- Usage metrics

A roadmap as a guiding framework for the team and aligned with the overall product vision

Iterations delivered through 2-week sprints with a transparent backlog for short feedback loops

User testing to validate hypotheses and features relevance



Examples of features

Tabular data API

The screenshot shows the 'Tabular API' page for a specific resource. At the top, it displays the API version (1.0.0) and OAS version (3.0). Below this, there's a URL and a brief description: 'Retrieve data for a specified resource with optional filtering and sorting.' The main section is titled 'Data retrieval' and contains three GET endpoints for different data formats: 'data/' (JSON), '/csv/' (CSV), and '/json/' (JSON). Each endpoint has a 'Get' button and a description of what it returns. At the bottom, there's a 'Schemas' section with expandable options for 'Resource' and 'ResourceData'.

Map preview

The screenshot shows a map preview for a geojson resource titled 'liste-des-edifices-labellises-architecture-contemporaine-remarquable-acr.geojson'. The map displays numerous blue dots representing building locations across France and neighboring regions like Belgium and Germany. The interface includes a search bar, a 'Télécharger' (Download) button, and tabs for 'Carte' (Map), 'Description', 'Métadonnées' (Metadata), and 'Téléchargements' (Downloads). The map also shows various geographical labels and regional names.

Redesigned search engine

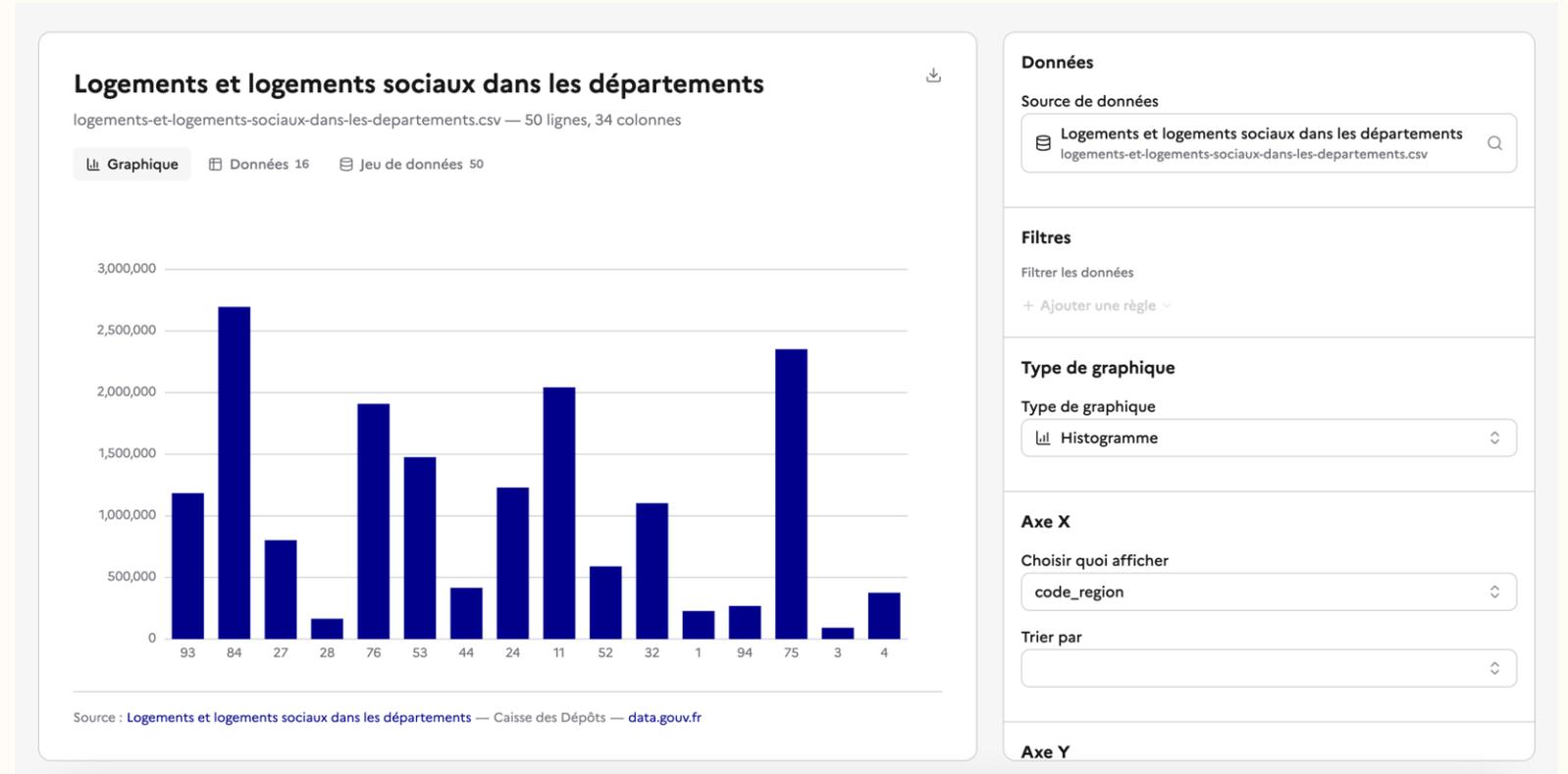
The screenshot shows the redesigned search engine interface. At the top, there's a search bar with the query 'logement' and a 'Recherche' button. Below the search bar, the results are displayed in a list format. The first result is 'Logements vacants du parc privé par...' from the 'Ministère de la Transiti...' with 66K results. The second result is 'DPE Logements (avant juillet 2021)' from 'ADEME' with 52K results. The third result is 'Logements indignes ou indécents Franc...' from the 'Ministère de la Cohési...' with 13K results. The fourth result is 'Ouverture des données publiques du logem...' from 'etalab' with 6K results. The fifth result is 'Population' from 'Insee' with 168K results. The interface also includes filters for 'Type' (Jeux de données, APIs, Réutilisations), 'Format de données' (Tous, Tabulaires, Structurées, Géographiques, Documents, Autre), 'Modalités d'accès' (Toutes, Téléchargement lib...), 'Date de mise à jour' (Toutes, Les 30 derniers jours, Les 12 derniers mois, Les 3 dernières ann...), and 'Trier par' (Pertinence).



And more to come !

Provide better datavisualisation and exploration tools

Support producers in showcasing their data via thematic pages and curated selections



A portal strategy guided by measurable impact indicators

Objective 1: data.gouv.fr promotes the discoverability of open data

- Indicator: percentage of users who responded positively to the question "Did you find what you were looking for?"

Objective 2: data.gouv.fr promotes the quality of open data

- Indicator: average quality score of the 100 most downloaded datasets on the platform.

Objective 3: data.gouv.fr promotes the reuse of open data

- Indicator: average time for a "legitimate" response to discussions related to datasets

Objective 4: data.gouv.fr facilitates access to information on the most important datasets

- Indicator: number of top 100 datasets associated with a "quality reuse"



Le catalogue des données pour la transition écologique

Rechercher

Exemple : « Itinéraires fraîcheur » dans les bouquets ou « Horaires des TGV » dans les données

Explorer

Accéder aux données des services et opérateurs de l'État et d'une sélection d'organisations publiant des données utiles aux politiques du ministère en charge de l'environnement.

[Parcourir les données](#) →

[Découvrir des usages](#) →



Contribuer

Participer au référencement et à l'articulation des données utiles à l'appui des politiques publiques grâce aux fonctionnalités de catalogage et au concept de bouquet de données.

[Publier des données](#) →

[Partager des usages](#) →



Les bouquets à découvrir

Bouquets mis en avant  Derniers bouquets

Mieux préserver et valoriser nos écosystèmes

IArbre - Enraciner la résilience cli...

Autre

Indicateurs Régionaux de Planifi...

Autre

Élaboration ou évolution d'un do...

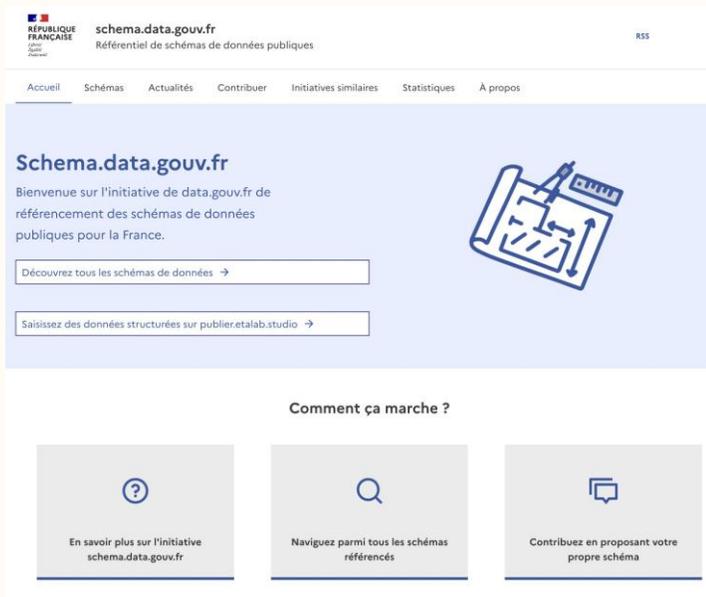
Thematic platforms aligned with priority public policies

Quality



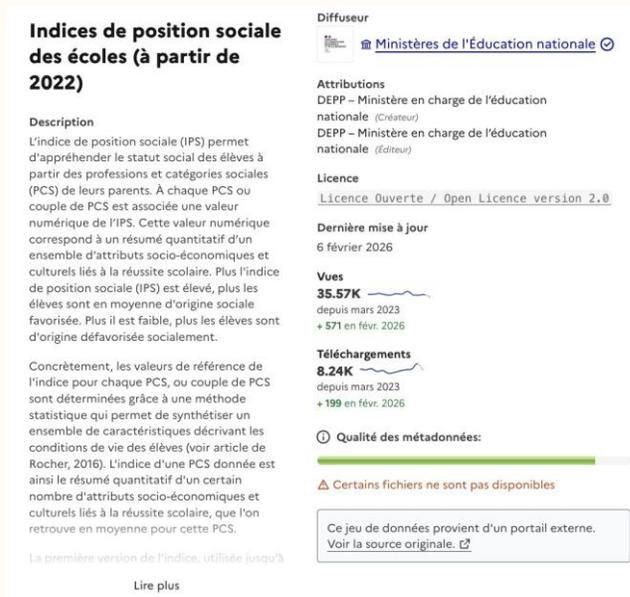
Standardised data schemas promotion and adoption

through schema.data.gouv.fr



Quality feedback provision

through a simplified publication workflow and a metadata quality score



Experimentation on AI-driven features

AI-generated suggestions for keywords and short descriptions



Impact



A structured framework for measuring impact

A dedicated methodology, based on 4 levels :

1. Raw data
2. Direct uses of data
3. Indirect uses of data
4. Externalities

A yearly survey on data.gouv.fr users.

MEASURING THE IMPACT OF OPEN DATA

ANALYZING GOVERNMENTAL, ENVIRONMENTAL, SOCIAL
AND ECONOMIC IMPACTS DIMENSIONS IN FRANCE

data.gouv.fr



Apprendre avec l'open data

Utiliser les données publiques pour répondre à des enjeux sociaux et environnementaux.

Les données ouvertes (open data) sont des données brutes téléchargeables en accès libre et gratuit qui peuvent être utilisées par toutes et tous. Elles permettent de créer des analyses, des services ou des produits sur une diversité de sujets (santé, emploi, urbanisme, éducation, mobilité, etc.).

Des ressources pédagogiques

L'équipe de data.gouv.fr structure des ressources pédagogiques qui vous fournissent les éléments essentiels pour apprendre à exploiter des données ouvertes rapidement. Il s'agit d'une articulation de ressources externes et de contenus produits par data.gouv.fr.

Trouver des données Où rechercher des jeux de données	Evaluer la qualité des données Comment s'informer sur un jeu de données	Récupérer des données Comment télécharger des données ou utiliser une API
Manipuler des données Comment ouvrir, filtrer, nettoyer ou croiser des données	Analyser des données Comment utiliser un tableur, python ou R pour l'analyse	Visualiser des données Comment créer des visualisations de données

Des défis open data

La communauté open data et l'équipe de data.gouv.fr vous proposent de mettre à contribution et de développer vos compétences en réalisant des projets utiles à partir de données ouvertes.

Les défis proposés s'adressent notamment à toutes celles et ceux qui souhaitent s'exercer ou apprendre à exploiter des données en travaillant sur des projets concrets.



SUIVI DES SORTIES
Actualité de l'open data et de data.gouv.fr en septembre 2025.

Initiatives to stimulate reuse and generate value from open data

1. Data promotion and discoverability
2. Community engagement
3. Capacity building and training

Thank you



Q&A session



Flora Kopelou
European Data Portal,
Publications Office of the EU



Arman Behrooz
Open Data Maturity
Report 2025 lead



Alicia Nieto Ramos
Technical Advisor, Data
Office D.G. del Dato



Thanh Ha LE
Data Product Portfolio
Manager, data.gouv.fr



Stay up-to-date on our
2026 activities!

The logo for Data Europa Academy is located in the bottom-left corner. It features a large red circle that partially overlaps a smaller dark blue circle. Inside the dark blue circle, the text "data.europa academy" is written in white, lowercase letters. The word "data" is on the top line, "europa" is on the middle line, and "academy" is on the bottom line. The "e" in "europa" has a small yellow dot above it. To the right of the dark blue circle, there is a white circle that overlaps the red circle.

data.
europa
academy

Register for our upcoming webinar!

WEBINAR

Open data as a public good: evidence-based development across territories



data.europa academy 13 March 2026
10.00 – 11.30 CET



Continue the discussion after the webinar!

Open data maturity in Europe 2025: progress, best practices, and key insights

Submitted by [Hannah KROKER](#) on Fri, 06/02/2026 - 10:18

Topic: [Academy webinars](#)

You watched our **webinar on the latest Open Data Maturity report** and want to continue the conversation? Leave a comment below to share your thoughts on and experiences with our annual assessment!

The Open Data Maturity report measures to what extent public sector information is made accessible, reusable, and impactful in the various member states. During the webinar, we heard more about the **general trends and highlights** of the report. Subsequently, Alicia Nieto Ramos and Thanh Ha Le from the **Spanish and French government**, respectively, shared **best practices** from their countries.

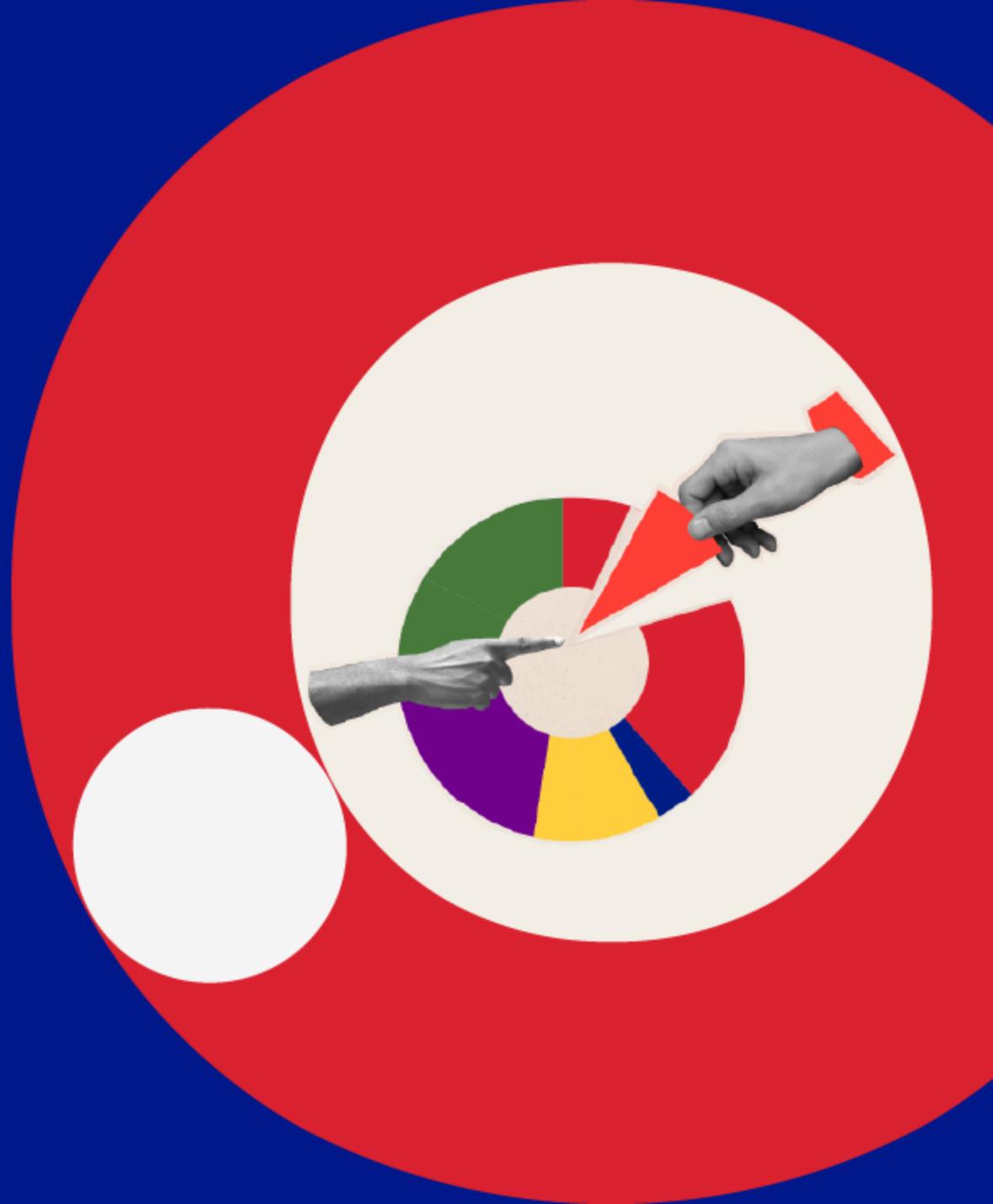
Do you have experiences of your own that you would like to discuss? For example, **from the perspective of a reuser: how could your national data service improve access to its data? As a data provider, what are some of the challenges your country faces in this regard and how could they be solved?**

Let us know below!

Login using your EU login account to share your thoughts in the comment section down below.



Your opinion is important to us!



Thank you!

