

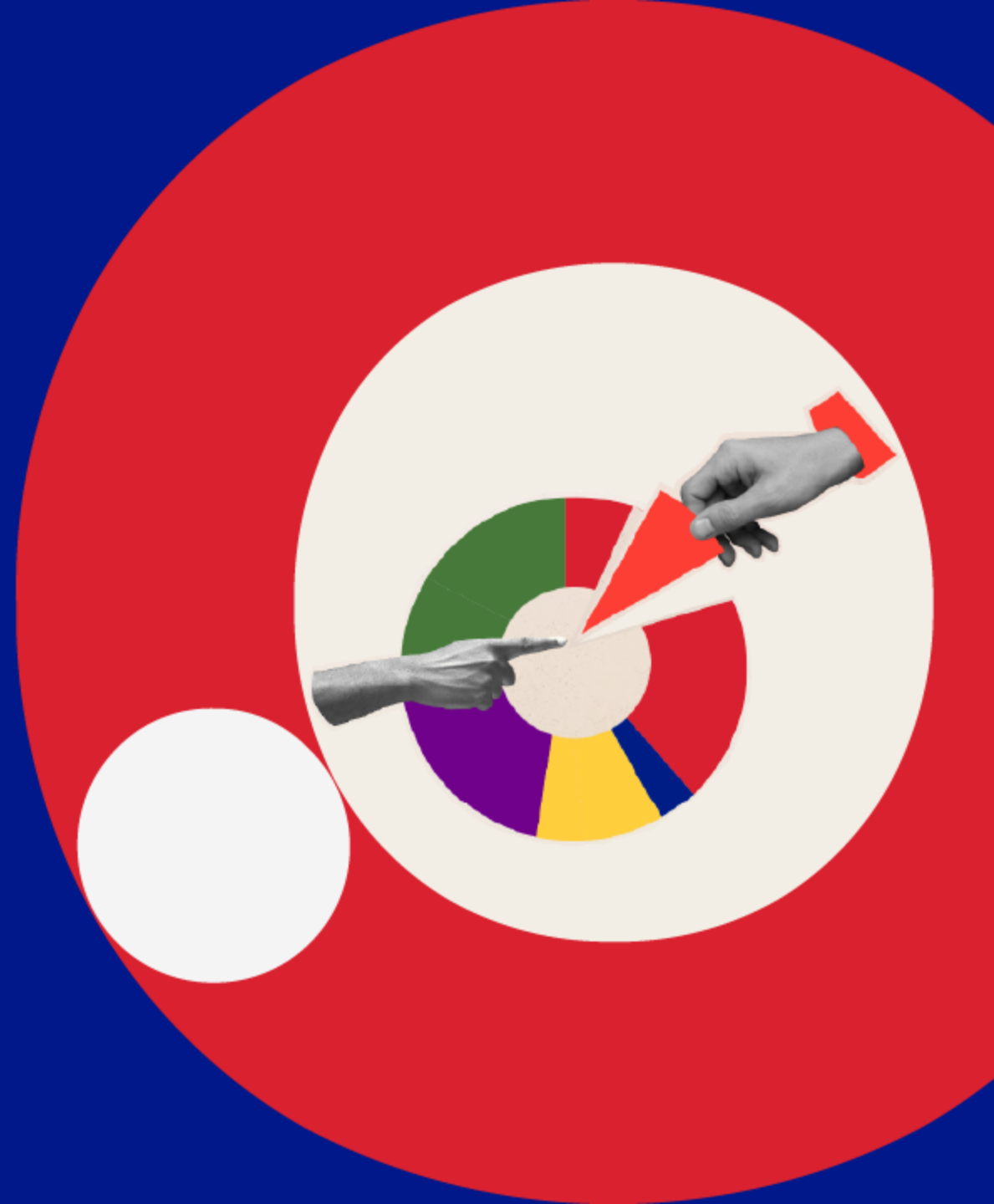
WEBINAR

Open data maturity in Europe 2024: best practices and key takeaways

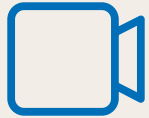
data.
europa
academy

28 February 2025

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



Introduction



Martin Page
ODM Study Lead,
data.europa.eu



Jānis Krakops
Head of Data Management
Unit Latvia



Željka Motika
Senior Consultant Data
Management
Department Croatia



Agenda

10.00 – 10.05

Opening and introduction – *Martin Page*

10.05 – 10.20

2024 Open Data Maturity Report: introduction and results – *Martin Page*

10.20 – 10.45

Open data best practices from Latvia - *Jānis Krakops*

10:45 – 11:10

Open data best practices from Croatia - *Željka Motika*

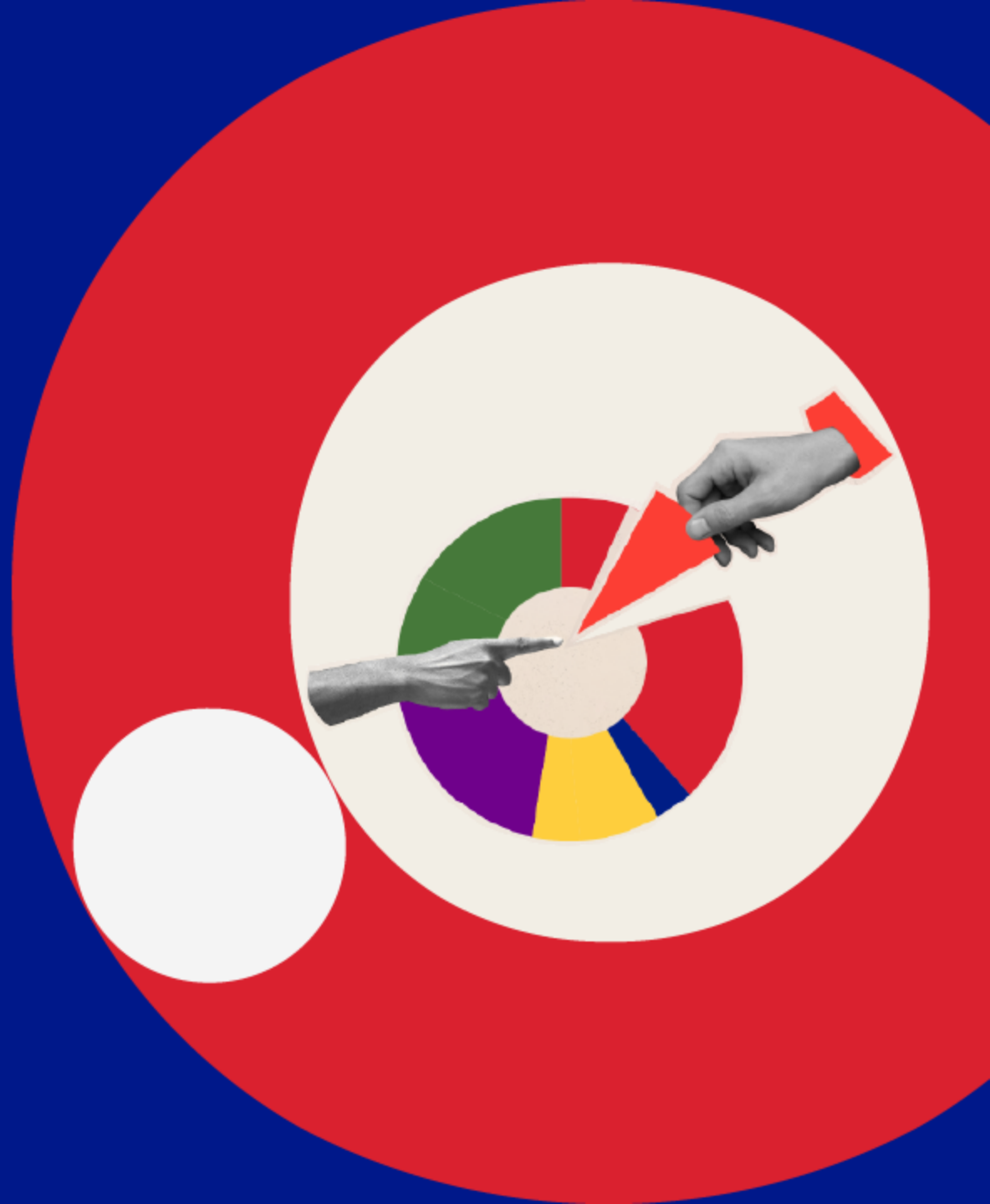
11:10 – 11:25

Q&A session – *Martin Page*

11:25 – 11:30

Closing remarks – *Martin Page*

2024 Open Data Maturity Report: introduction and results



The Open Data Maturity Assessment

Key finding from the 2024 report

Dr Martin Page
Capgemini Invent



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?

- **tenth edition** of the exercise
- annual **self-assessment questionnaire** about the efforts of countries in **making public data resources available and stimulating its reuse**
- in 2024: 34 countries, including the EU-27, 3 EFTA countries (IS, NO, CH), and 4 candidate countries (BA, AL, RS, UA)



The methodology was updated in 2024 to ensure the continued currency and relevance of the assessment

WHY?

There were **key objectives** to achieve when revising the method:

1. **Capture changes** in the context of the assessment while keeping the methodology holistic
2. **Retain historical comparability** (e.g. consistent dimensions and indicators)

WHAT?

Some of the **main changes** include:

1. **Introduced questions** about recent policy developments, e.g. revised questions about high-value datasets
2. **Introduced/reformulated** topical questions, e.g. details of the national governance structures, processes to update policies/strategies, workflows and activities of the portal team to ensure high-quality metadata
3. **Removed** questions that overlapped or were about foundational aspects, e.g. streamlining questions on the types of support offered by data providers, removing questions about portal search and download portal functionalities

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



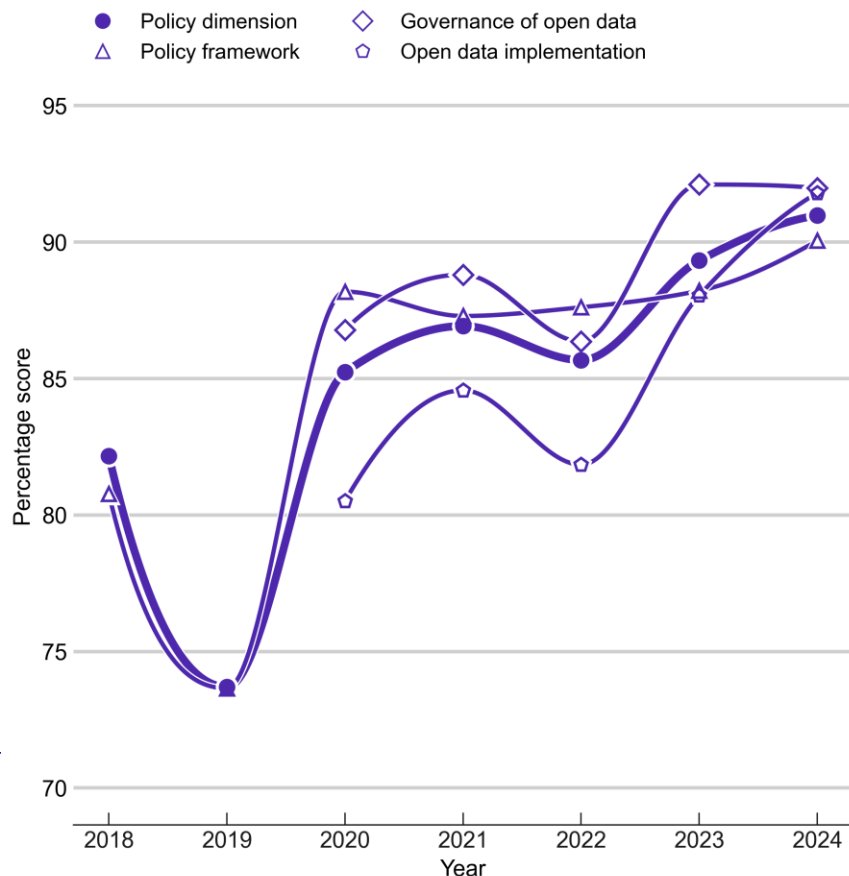
- Strategic awareness
- Measuring reuse
- Created impact
 - Governmental
 - Social
 - Environmental
 - Economic

The policy dimension remains the most mature

EU-27 average 2018 – 2024

Policy maturity score over time

EU-27, 2018–2024



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

Most improved countries



Portugal
(+ 19 pp)



Croatia
(+ 10 pp)

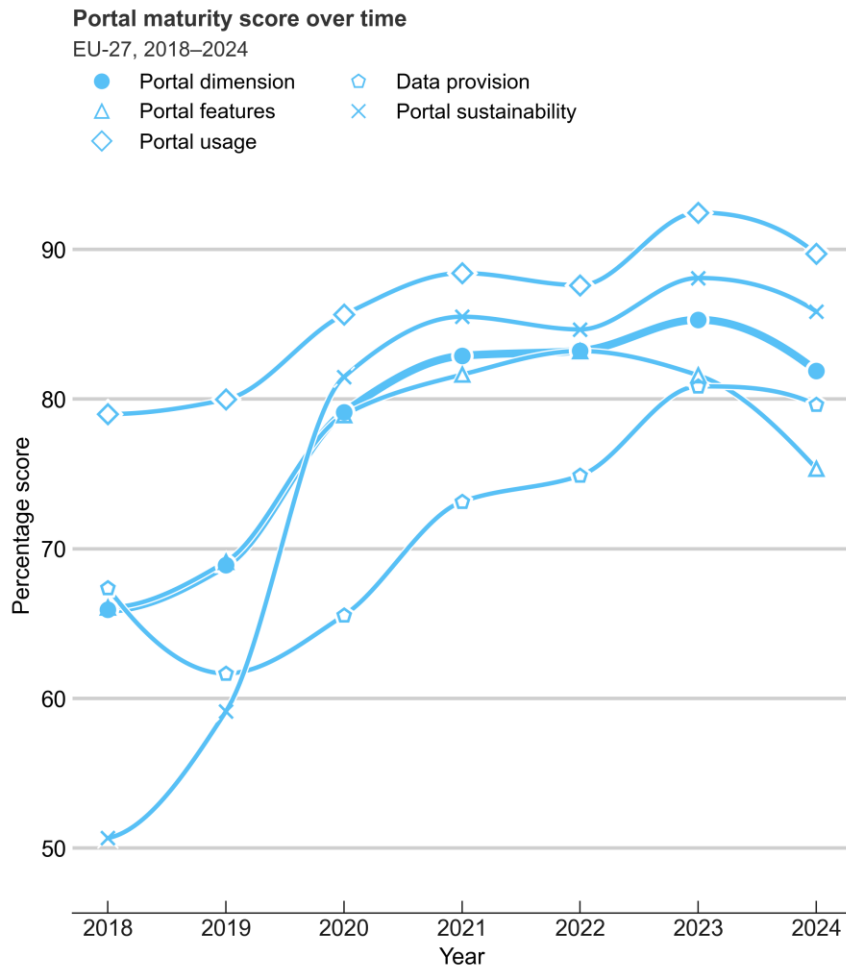


Albania
(+ 9 pp)

The implementation of open data initiatives, such as monitoring processes and activities to assist data holders, has improved since 2023 to better support the policy framework

The portal dimension remains the second most mature but decreased from the previous year

EU-27 average 2018 – 2024



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



Czechia
(+ 20 pp)



Croatia
(+ 14 pp)



Albania
(+ 9 pp)



Slovakia
(+ 9 pp)

On average, portals have established features and processes but this dimension is not seeing broad-based initiatives to improve maturity

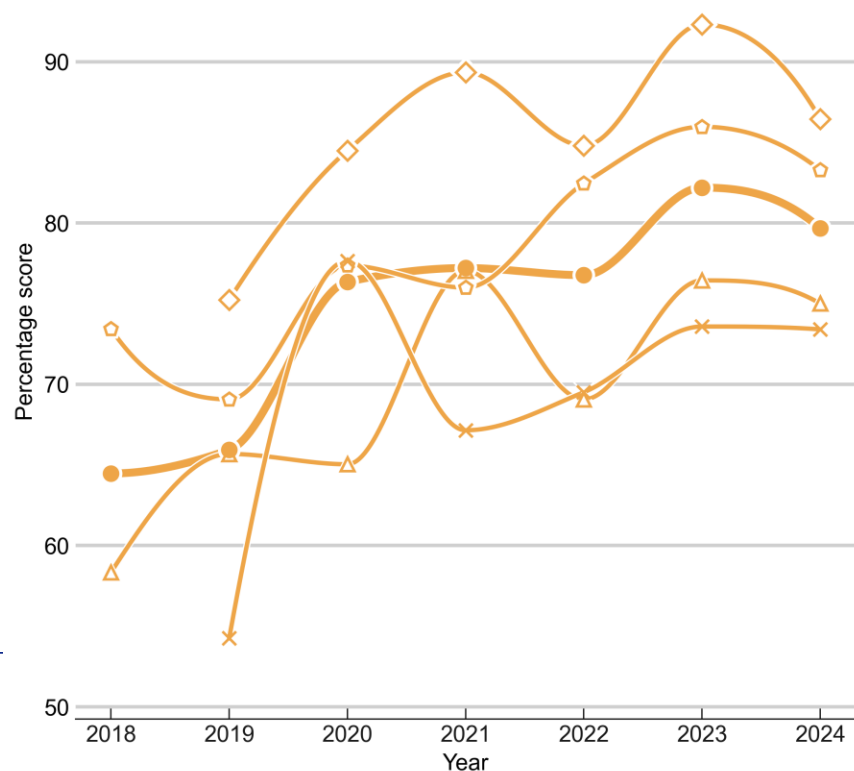
The quality dimension decreased year-on-year but remains more mature than in 2022

EU-27 average 2018 – 2024

Quality maturity score over time

EU-27, 2018–2024

- 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



Serbia
(+ 17 pp)



Latvia
(+ 10 pp)

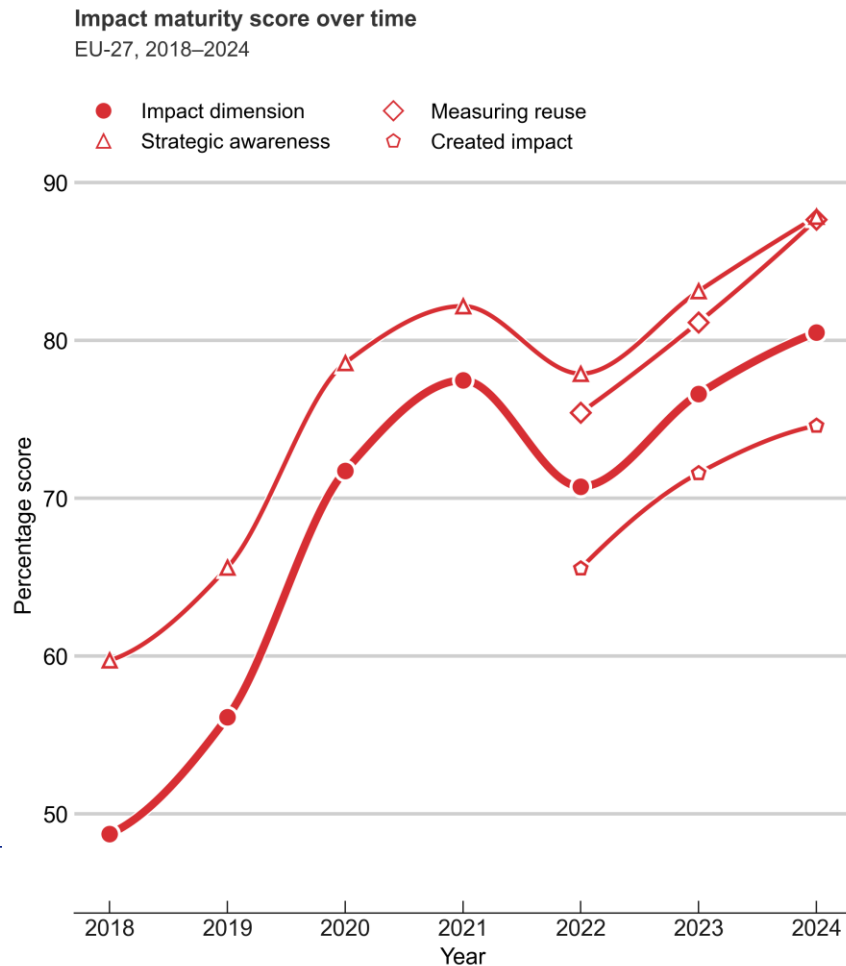


Belgium
(+ 5 pp)

Although mature in the historical perspective, encouraging and supporting data providers to supply high-quality metadata that is compliant with DCAT-AP remains a challenge

The impact dimension increased the most year-on-year for the second consecutive year

EU-27 average 2018 – 2024



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



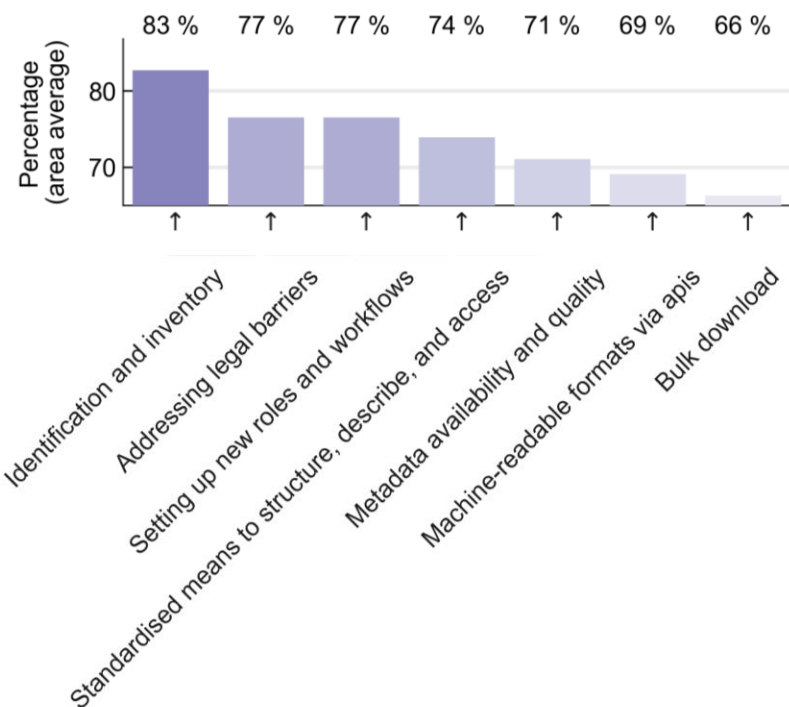
Most improved countries



There are greater efforts to set up methodologies for collecting and classifying reuse cases and to enhance activities aimed at understanding reuser requirements

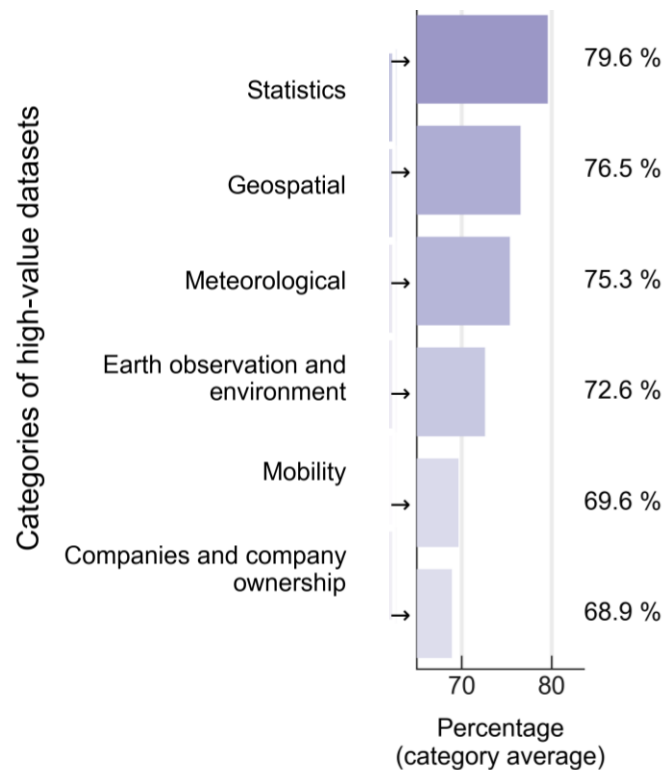
Countries are advanced in identifying high-value datasets, but some technical requirements are less mature

Requirements



Areas of progress

Categories



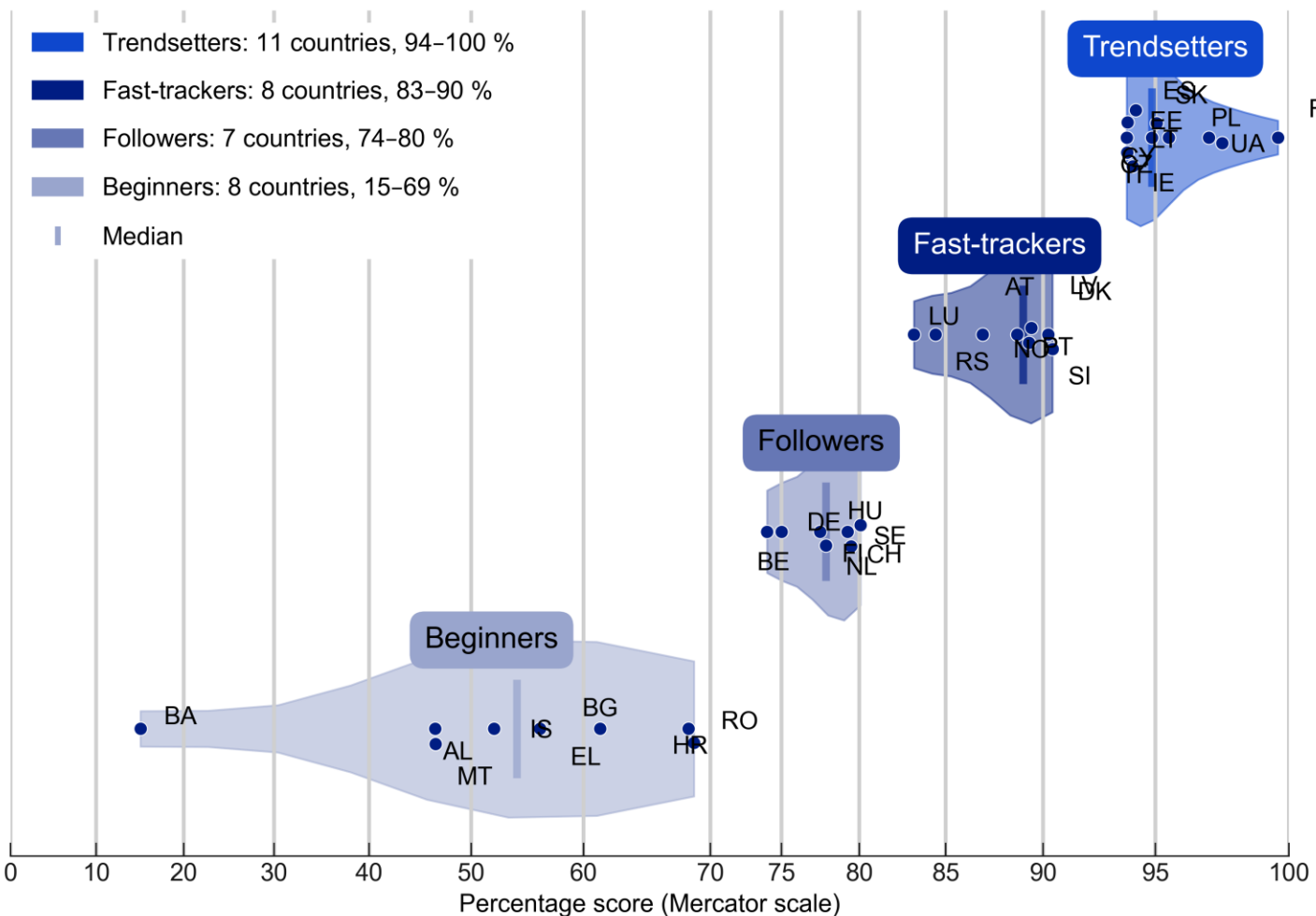
Most mature countries



The average Open Data Maturity in the EU remains stable at 83%

Cluster groups based on overall maturity score

EU Member States, EFTA countries and candidate countries



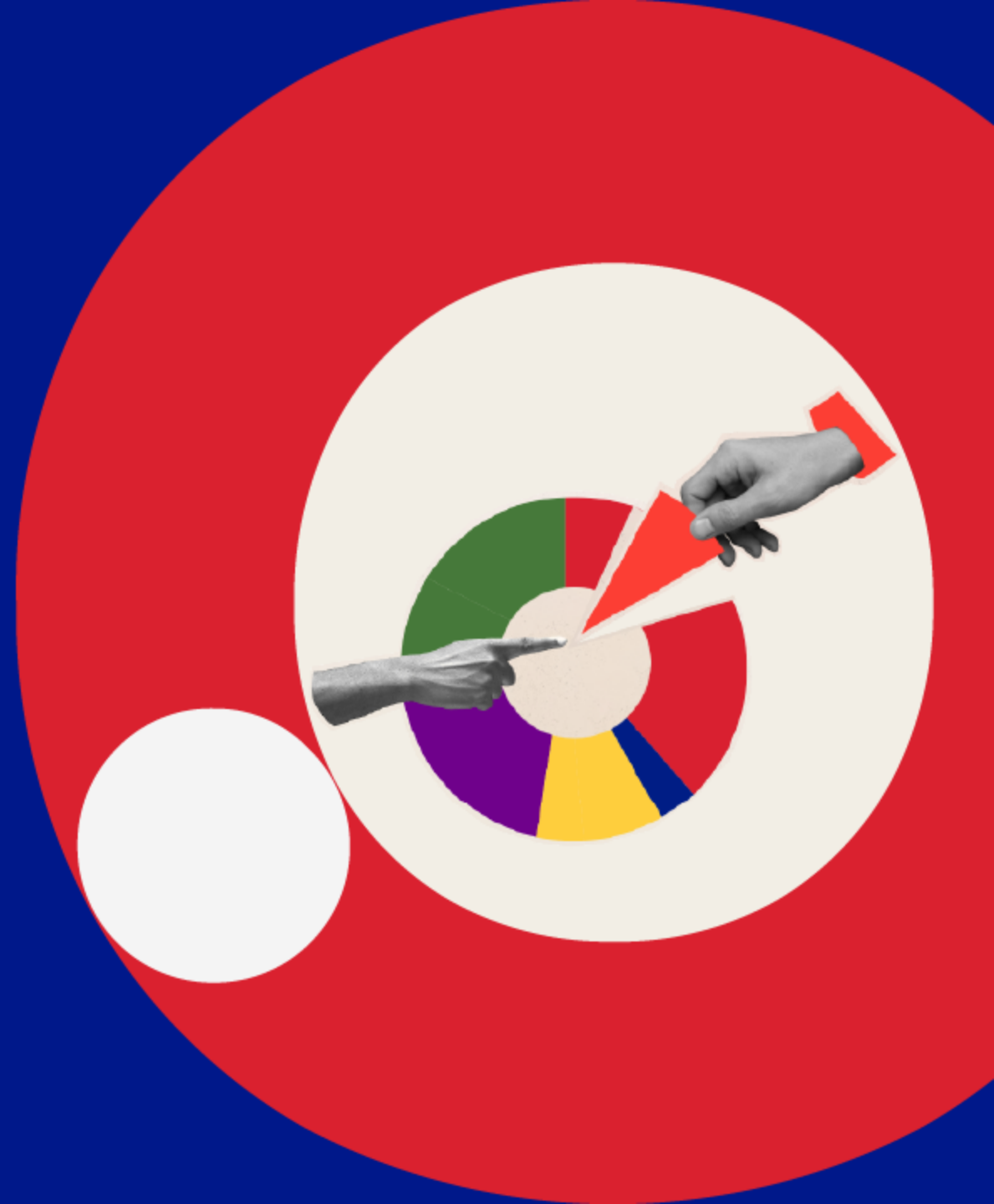
Most mature countries

France Poland Ukraine

Most improved countries

Latvia (+ 10 pp) Croatia (+ 9 pp) Czechia (+ 6 pp)

Open data best practices: Latvia



OPEN DATA IN LATVIA

The world's most valuable resource is no longer oil, but data

The People Behind the Magic



Ministry of Smart Administration
and Regional Development
Republic of Latvia



State Digital
Development Agency
Republic of Latvia

The screenshot shows the homepage of data.gov.lv. At the top, there is a navigation bar with the logo 'data.gov.lv' and menu items: 'Datu katalogs', 'Publicētāji', 'Atkalizmantošana', and 'Statistika'. There are also icons for 'English', 'Iestatījumi', and 'Pieslēgties'. Below the navigation is a search bar with the placeholder text 'Ievadiet terminus, kurus meklēt.' and a 'Meklēt' button. To the right of the search bar are links for 'Aktualitātes' and 'Par portālu'. The main content area features a large blue banner with the heading 'Laipni lūdzam Latvijas Atvērto datu portālā!' and a sub-heading 'Atvērte dati ir brīvi pieejama bezmaksas informācija bez atkalizmantošanas ierobežojumiem, kuru var rediģēt un automatizēti apstrādāt ar brīvi pieejamām lietojumprogrammām.' Below this, it states 'data.gov.lv portālā pieejami valsts pārvaldes atvērte dati'. On the right side of the banner, there are two statistics: '909 DATU KOPAS' and '106 PUBLICĒTĀJI'. A button 'Iepazīties ar datiem >' is located at the bottom left of the banner. Below the banner is a section titled 'DATU KATALOGA KATEGORIJAS' with a grid of 16 category buttons: Ārlietas, Ekonomika un uzņēmējdarbība, Enerģija, Iedzīvotāji un sabiedrība, Izglītība un sports, Kultūra, Reģioni un pašvaldības, Tieslietas, iekšlietas un drošība, Transports, Valsts pārvalde, Veselība, Vide, Zemkopība, pārtika un mežsaimniecība, and Zinātne un tehnoloģijas.



Jānis Krakops
Head of data
management division



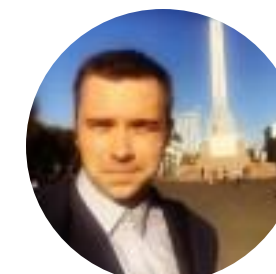
Laima Amatniece
Senior Expert,
data management
division



Vladimirs Vicehovskis
Team lead, business and
system analyst



Edijs Tropiņš
Product Portfolio
Manager



Pēteris Trokša
Systems and
business process
analyst

Open data policy in Latvia

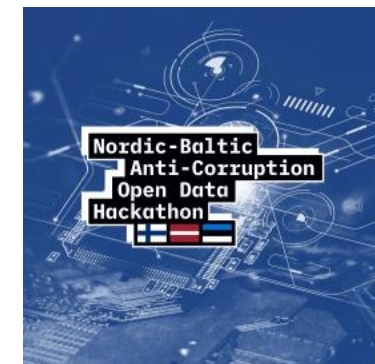


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- **Legal Framework:** Latvia's Constitution (Article 100), Freedom of Information Law ensure freedom of expression and access to information. Open data policies are further supported by the Law on Openness of Information and Cabinet of Ministers' Regulations.
- **High value data:** Institutions are mandated to publish high value data sets in accordance with EU requirements and national law
- **Implementation:** The government follows the "Open by Default" principle, detailing technical standards and best practices for publishing data.
- **Initiatives & Support:** The Ministry of Smart Administration and Regional Development promotes open data through meetings, webinars, hackathons, and direct support to data providers and users.
- **Encouraging Participation:** Institutions are urged to publish open data on the Latvian Open Data Porta in the process of approving new legislations and ICT projects.



Open data impact in Latvia

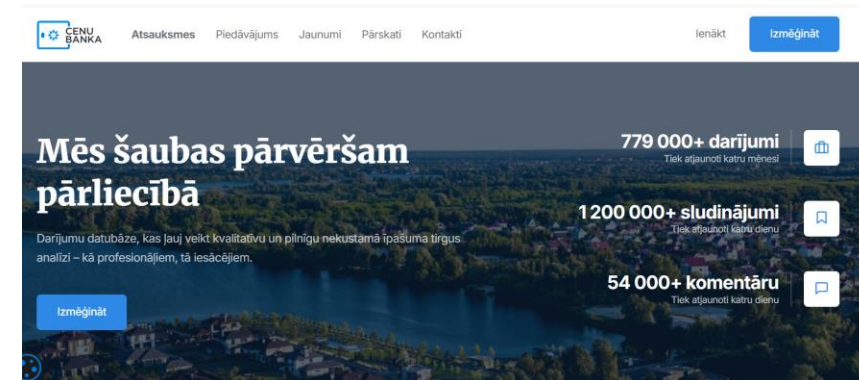


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- **Identifying Demand:** Statistics reveal the most requested datasets, guiding authorities on useful information.
- **Re-use Cases:** Institutions leverage open data (e.g., ambulances using address data).
- **Cross-Government Use:** Public authorities utilize open data from other agencies.
- **Data-Driven Decisions:** Policy and operational decisions are based on open data.
- **Innovative Applications:** Open data enables projects like 3D maps (Riga municipality).
- **Private Sector Interest:** Companies like Google show interest in address data.
- **Mobility & Weather Insights:** Data is used for mobility analysis and meteo apps.



Datu katalogs

Publicētāji

Atkalizmantošana

Statistika

Latvian Open Data Portal - Key Features



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Republic of Latvia

- **Launched:** 8th of July 2024 (*new version of the portal*)
- **Key Enhancements:** New statistics section, improved search options, and a legislation section
- **Platform:** Based on CKAN
- **API Access:** Allows programmatic querying of metadata
- **Re-use Section:** Users can share information about how data is used to create products/services
- **Newsletter Signup:** Receive updates on new or updated datasets

Meklē datu kopas...

atrastas 682 datu kopas Kārtot pēc: Būtiskums

Organizācijas

Kategorijas

Birkas

Formāti

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1 2 3 ... 35 >

Datu kopa Iestāde Pievienots Atjaunots Atjaunošanas biežums

STATISTIKA

Jaunās Aktualizētās TOP 5 datu kopas Top 5 kategorijas

ADREŠU DATI AR MAŠINLASĀMU APRAKSTU

Publicēts: 01.07.2024
Publicētājs: Valsts zemes dienests

Apraksts: __VZD atvērto datu veidā publicē denormalizētus Valsts adrešu reģistra__ * teksta datus CSV formātā; * telpiskos datus, tajā skaitā administratīvo teritoriju un to teritoriālo vienību robežu datus, SHP formātā. Detalizētāka informācija par Valsts adrešu reģistru pieejama

2024 VIDĒJĀS DARĪJUMU CENAS AR LIZ PIRMS ADMINISTRATĪVI TERITORIĀLĀS REFORMAS

Publicēts: 27.06.2024
Publicētājs: Valsts zemes dienests

Apraksts: Dati apkopoti par darījumiem ar zemēm, kam Kadastra informācijas sistēmā kā nekustamā īpašuma galvenais lietošanas mērķis ir reģistrēta lauksaimniecības zeme. Statistiskajos aprēķinos

Latvijas Nekustamā īpašuma tirgus statistiskie rādītāji

Publicēts: 26.06.2024
Publicētājs: Valsts zemes dienests

Apraksts: Pārskati tiek aktualizēti reizi mēnesī, ievērojot aktuālo datu bāzē uzkrāto tirgus informāciju, kas tiek papildināta katru dienu. Katrs pārskats tiek piedāvāts par trīs dažādiem laika periodiem – par gadu, pusgadu un ceturksni. Izvēle

Open Data Quality - Key Highlights



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Republic of Latvia

- **906 datasets:** Up-to-date, structured, complete metadata
- **Regular updates:** Data holders maintain schedules
- **DCAT-AP framework:** Followed for consistency
- **Improved quality:** Statistics section fosters competition
- **Guidelines:** We have published and updated the guidelines about data publication in the open data portal
- ***New features:** In 2025 we have implemented a new feature that checks the uploaded CSV file to verify that they are created according to the requirements of the guidelines



Development ROADMAP



Ministry of Smart Administration
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Republic of Latvia



State Digital
Development Agency
Republic of Latvia



Data portal

We plan to rebrand the Latvian data portal to the Latvian "Data portal" integrating also protected data and other functionalities



High performance and availability

We plan to integrate the future Data portal with our national data exchange and governance solution to ensure high data availability for different use cases



Storage of large open data sets

We need to ensure that user can store large open data sets



Open source software metadata

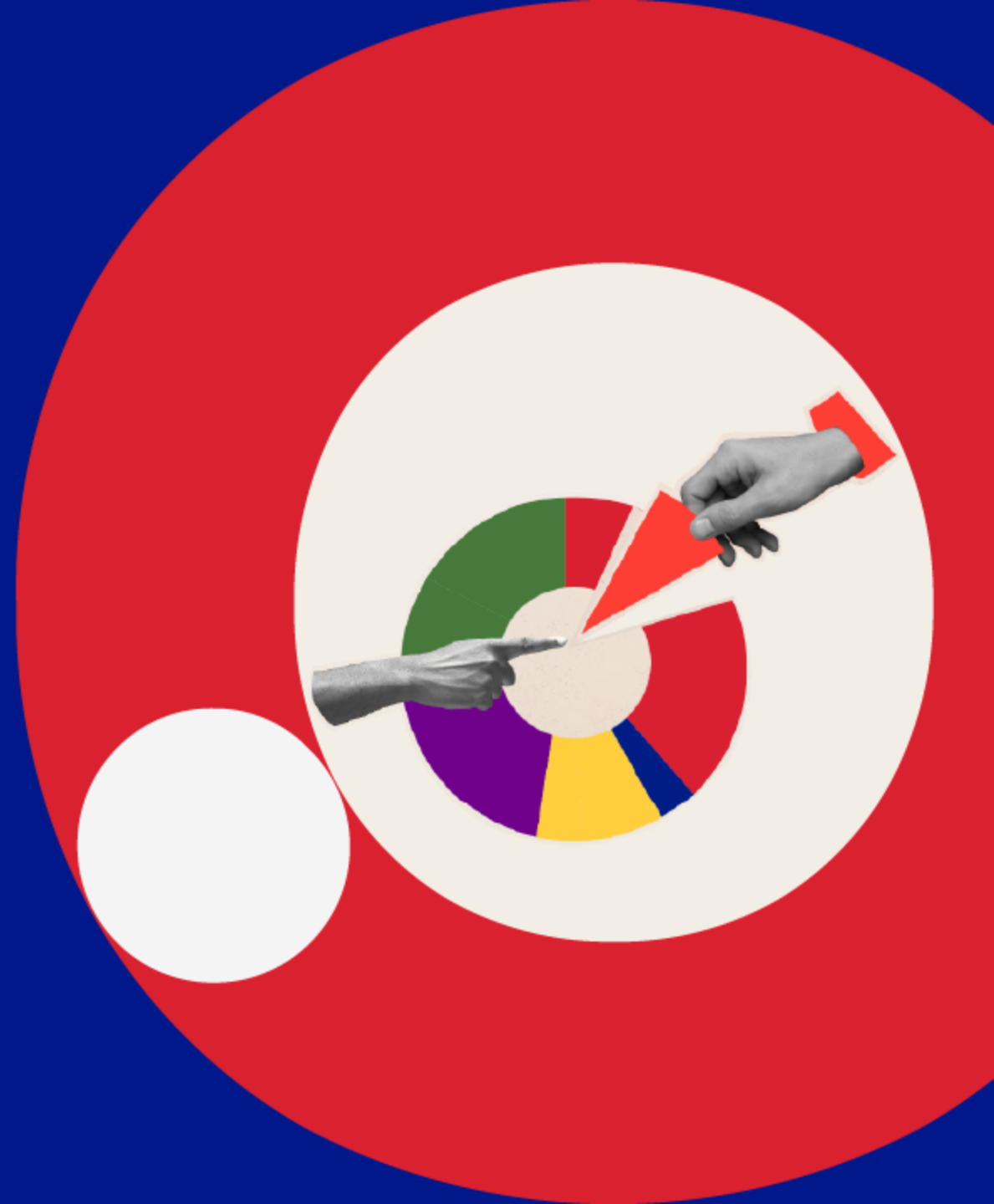
We want to expand the usage of the data portal by also incorporating data about open sources software



Thank you!

Data is a precious thing and will last longer than
the systems themselves

Open data best practices: Croatia



Open data maturity in Europe 2024: best practices and key takeaways - CROATIA

February 28, 2025





Significant Improvement in Open Data Maturity Score

The 2024 report highlights improvements across various dimensions. These advancements position Croatia as a country to watch in the open data landscape

Policy Dimension

- There was an increase of **10** pp showcasing stronger governance and frameworks

Portal Dimension

- The portal dimension improved by **14** pp, demonstrating better accessibility

Impact Dimension

- A **17** pp increase - government collaboration with other sectors and stakeholders

Overall increase of **9** pp compared to 2023. However Croatia is still in the **Beginners** cluster with overall maturity score of **68.4%**



Open Data Policy Dimension

Open Data Policy

- Since 2018.; open data as the basis of the concept of Open Government
- Support the reuse of open data by the public sector


Data Inventories

- Asset lists of public authorities including collections of dataset not intended for publication and HVDs

Implementation of the Open Data Directive

- Amendment of Free Access to Information Act (OG 025/2013, 85/15, 69/22)

Enhancing Compliance with Open Data Laws

- training programs for civil servants to improve understanding and application of open data regulations
 - Mandatory *Annual reports on the right to access information* with a special section dedicated to the publication of datasets on the national OD Portal
- 



Open Data Policy Dimension



Regular Exchange of Knowledge and Experiences

- interactions between the Coordinator (Ministry ex. RDD) and a wider network of open data officers

Establishment of the Working Group for Digital Transformation

- WG for the Coordination of State Information Infrastructure Projects and Digital Transformation
- Although with broader scope than open data, fosters collaboration in this field ensuring open data policies are integrated into broader digital strategies

Support for Local and Regional Open Data Initiatives

- webinars, guidelines and direct communication for technical assistance ensured that open data policy is effectively implemented at the local level
 - National Data portal as a platform for local authorities to share their data
- 
- 



Open Data Portal Dimension

Portal features

- One-stop-shop for access to datasets and information on relevant open data topics
- SPARQL search available
- Datasets requests with tracking status available
- Interaction between data providers and users enabled

Portal usage

- Monitoring traffic to the portal
- Application Programming Interfaces (API) available


Data Provision

- Access to real-time data for several data providers
 - meteorological and geospatial data
- National Data portal as a platform for local authorities to share their data



Open Data Portal Dimension

Project „Adaptation of Information Systems of Public Sector Bodies to the (national) Open Data Portal”

- National portal aggregates data from several local and regional open data portals across the country - „*Central transformation System (CTS)*”
 - City of Zagreb
 - City of Rijeka
 - City of Varaždin
 - Expansion of metadata and advanced search options
 - Open data portal users’ feedback
- 



Open data Impact Dimension

CLOSER COOPERATION WITH LOCAL AND REGIONAL AUTHORITIES

- National Data portal as a platform for local authorities to share their data
- infrastructure as well as help-desk and technical assistance provided
- webinars and educational content tailored to the needs of local authorities

ENCOURAGED OPEN DATA REUSE VIA DATATHON AND WORKSHOPS

- „REUSE OF PUBLIC SECTOR OPEN DATA”, 2023. DATATHON
- WORKSHOPS AND WEBINARS FOR CIVIL SERVANTS („ADAPTATION OF INFORMATION SYSTEMS OF PUBLIC SECTOR BODIES TO THE (NATIONAL) OPEN DATA PORTAL”)

NATIONAL DEFINITION OF OPEN DATA REUSE

- RIGHT OF ACCESS TO INFORMATION ACT
- 
- 



Open Data Quality Dimension

Currency and Completeness of Metadata

- Publication through application programming interfaces (APIs) available (but only to limited number of datasets)
- Publication through harvesting available (only to limited number of datasets)


DCAT-AP compliance and Interoperability of HVDs

- CKAN platform DCAT-AP compliant but HVDs tag not yet implemented

Deployment Quality

- Datasets available under Open Data licence
- Datasets available in open and machine-readable formats

Challenges

- Activities to ensure high quality data and metadata quality monitoring insufficient
- 
- 



Challenges and Areas for Improvement

Data Quality and Standardization

- metadata completeness and standardization for international and intersectoral sharing require additional efforts

Sustainability of Open data Initiatives

- long-term funding and institutional support

Private sector Engagement

- private sector reuse limited, more initiatives to encourage businesses and startups to use open data for innovation needed

State of play and future steps

New Open Data Team within Ministry of Justice, Public Administration and Digital Transformation - Sector for Interoperability and Data management

- an organizational unit dedicated exclusively to the field of (open) data management

Adoption of new Open Data Policy with Action Plan in 1st quarter of 2025

- availability and quality of open data
- strengthening public awareness of the potential of open data
- support the opening and use of HVDs
- encourage reuse by the private sector and academia
- ensuring the sustainability of Open data Policy

Related projects (to support the open data management)

- Data Lake Repository
- Metaregister



Thank you!

opendata.pitanja@rdd.gov.hr

<https://data.gov.hr/>

Q&A



Martin Page
ODM Study Lead,
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Jānis Krakops
Head of Data Management
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Željka Motika
Senior Consultant Data
Management
Department Croatia



Stay up-to-date on our
2025 activities!

The logo for Data.europa academy is located in the bottom left corner. It consists of a dark blue circle containing the text 'data.europa academy' in white. The word 'data' is on the top line, 'europa' is on the middle line, and 'academy' is on the bottom line. The dots in 'data' and 'europa' are stylized with small yellow and orange accents. To the right of the blue circle is a white circle, and both are set against a larger red circular background that is partially visible on the left side of the slide.

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WEBINAR

From data to
metadata:
enhancing quality
across borders

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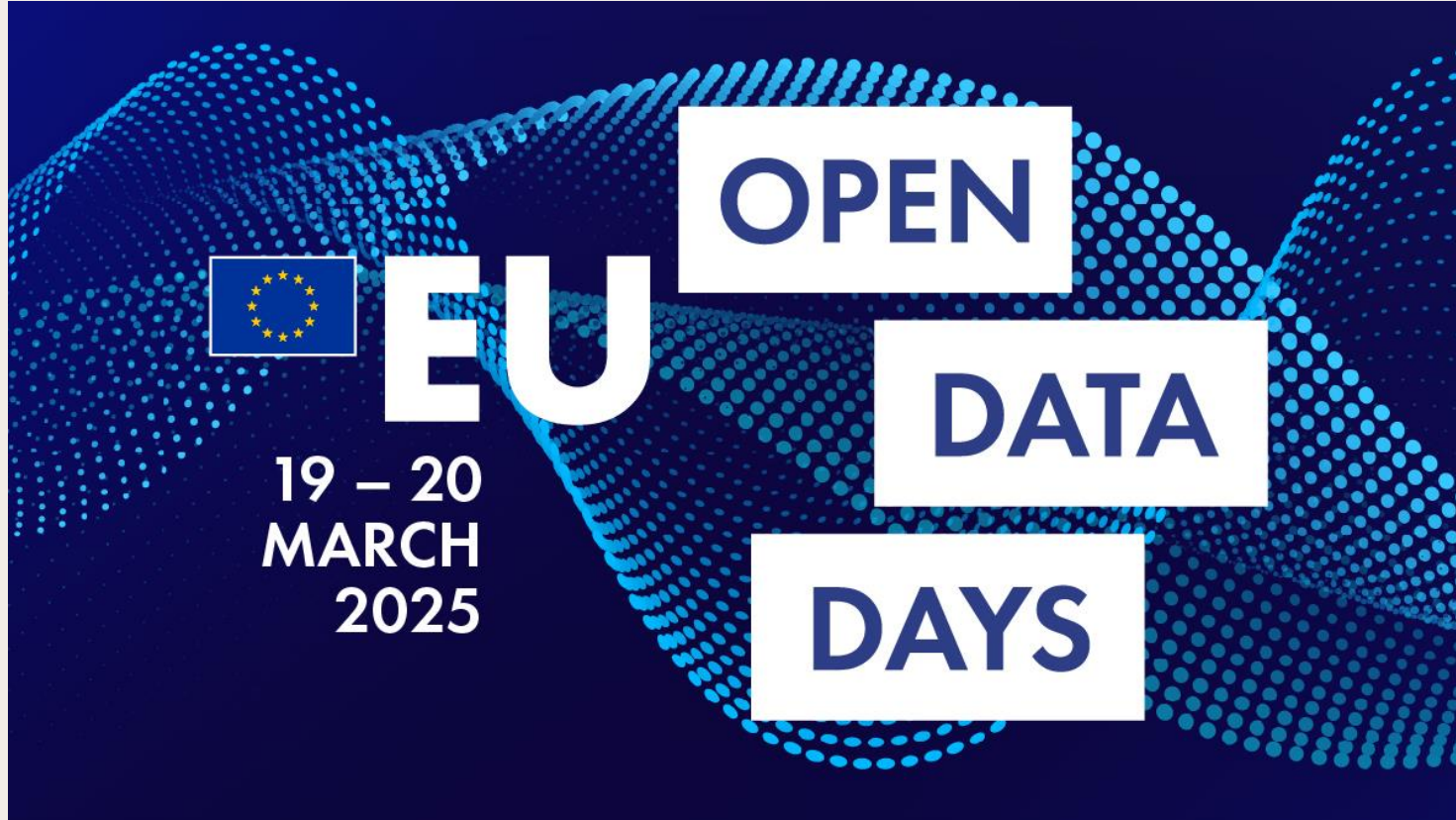
7 March 2025

10.00 – 11.30 CET

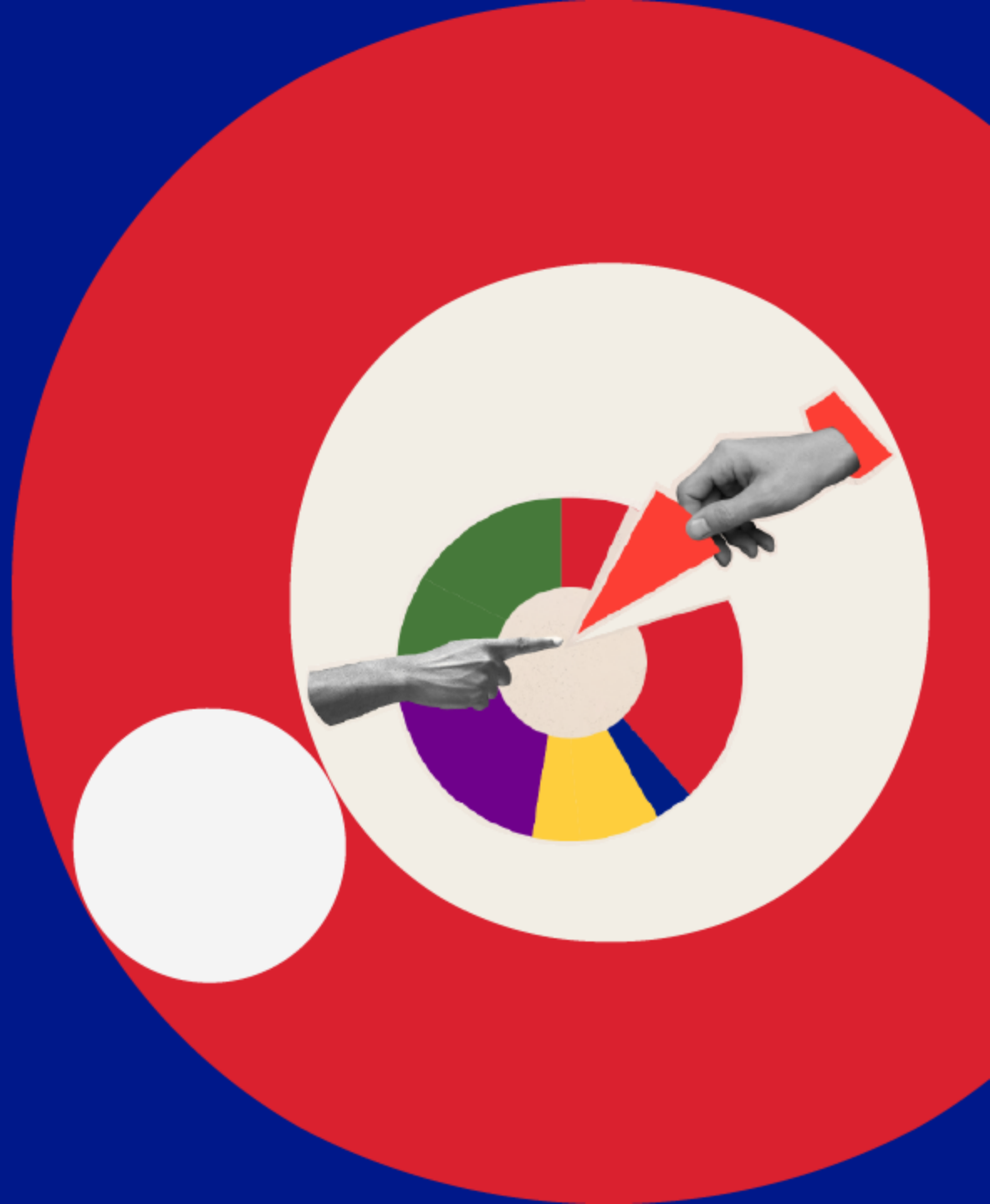


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Your opinion is important to us!



Thank you!

