

WEBINAR

# Open Data Maturity 2022: Diving deeper into the impact dimension

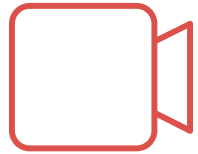
The logo for Data Europa Academy is located in the bottom left corner. It features a large red circle with a smaller white circle inside it. The text "data.europa academy" is written in white lowercase letters within the white circle.

data.  
europa  
academy

27 October 2023

10.00 — 11.30 CET

# Rules of the game



The webinar will be recorded



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



For questions, please use the ClickMeeting chat

# Introduction



**Flora Kopelou**  
Publications Office of the EU



**Nataliya Rozbroj Jasinskaja**  
Publications Office of the EU



**Lenka Kovacova**  
Open data specialist at the  
Digital and Information Agency  
in Czech Republic



**Josefin Lassinantti**  
Open data specialist at the  
Swedish Digitalisation Agency

# Agenda

10.00 – 10.05	Introduction to the webinar and rules of the game – <i>Flora Kopelou</i>
10.05 – 10.25	Diving deeper into the portal dimension – <i>Nataliya Rozbroj Jasinskaja</i>
10.25 – 10.50	Open data best practices Czech Republic – <i>Lenka Kovacova</i>
10.50 – 11.15	Open data best practices Sweden – <i>Josefin Lassinantti</i>
11.15 – 11.25	Q&A – <i>Flora Kopelou</i>
11.25 – 11.30	Recap and closing – <i>Flora Kopelou</i>

# Diving deeper into the impact dimension

Nataliya Rozbroj Jasinskaja

# Introducing the Open Data Maturity assessment

## What

- 8<sup>th</sup> consecutive assessment of the state of open data in Europe, with 35 participating countries



## Why

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

## How

- Self-assessment: national open data teams fill out a questionnaire on 4 dimension of maturity



# Introducing the Open Data Maturity dimensions and indicators



## POLICY

- Policy framework
- Governance
- Implementation



## IMPACT

- Strategic awareness
  - Measuring re-use
  - Creating impact
- Governmental, Social, Environment & Economic



## PORTAL

- Portal features
- Portal usage
- Dataprovision
- Portal sustainability



## QUALITY

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

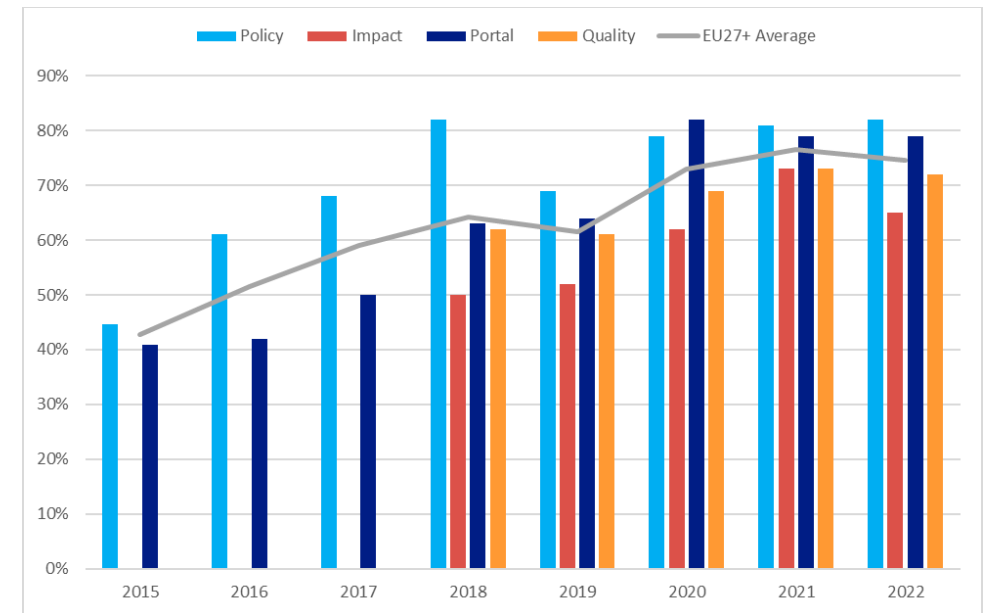
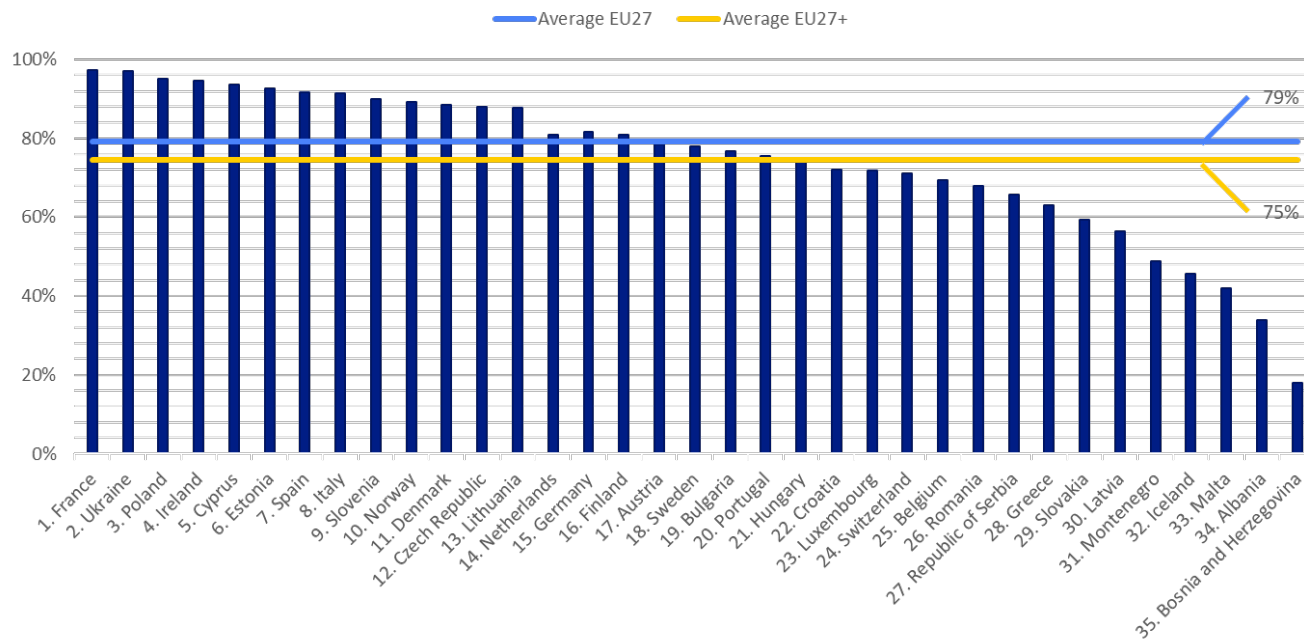
## 2022 Revised Approach

- **Streamline of questions** to better include regional and local realities and EU priorities
- **More focus on high-value datasets** to test countries' level of preparedness ahead of the regulation
- **Re-structuring of the Open Data impact dimension** to:
  - better acknowledge the challenge of assessing impact
  - better distinguish between re use and *how* impact is created

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

# Results 2022 (EU27+)

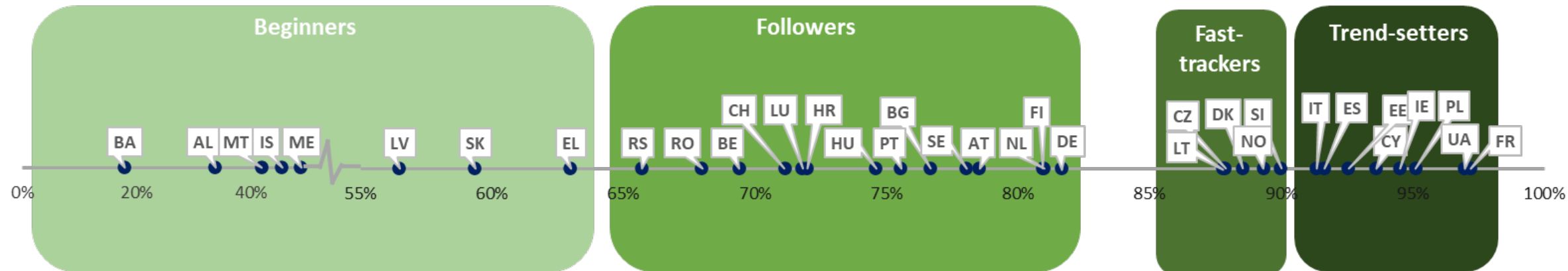
- In 2022, the **average open data maturity score** of the EU27+ countries is **75% vs. 78% (2021)**.
- Policy is the most mature dimension (86%), followed by **portal** (83%), quality (77%), and impact (71%).
- **France (97,2%) and Ukraine (96,9%)** lead the way of open data developments in Europe.





# Countries clustering 2022 (EU27+)

- The maturity of European countries is concentrated in **the higher end of the spectrum** (above 65%).
- The **fast-trackers show highly similar scores**, as the cluster is concentrated on a range of 3% (88 to 91 percentage points).
- Remarkable is the journey of
  - **Belgium** from beginners in 2021 to followers in 2022;
  - **Czech Republic** from followers in 2021 to fast-trackers in 2022;
  - **Italy and Cyprus** from fast-trackers in 2021 to trend-setters in 2022.



# Defining Impact

 Open Data  
Maturity Report  
2022



[data.europa.eu](https://data.europa.eu)



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



The impact can include, but is not limited to, factors such as increased transparency, economic growth, improved decision-making, enhanced public services, environmental sustainability, and social inclusivity.

# Measuring Impact in Europe

 Open Data  
Maturity Report  
2022



[data.europa.eu](https://data.europa.eu)



The Open Data Maturity Assessment measures open data impact annually through the impact dimension indicators.

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



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

# Open Data Maturity Impact Indicators



## Strategic Awareness

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



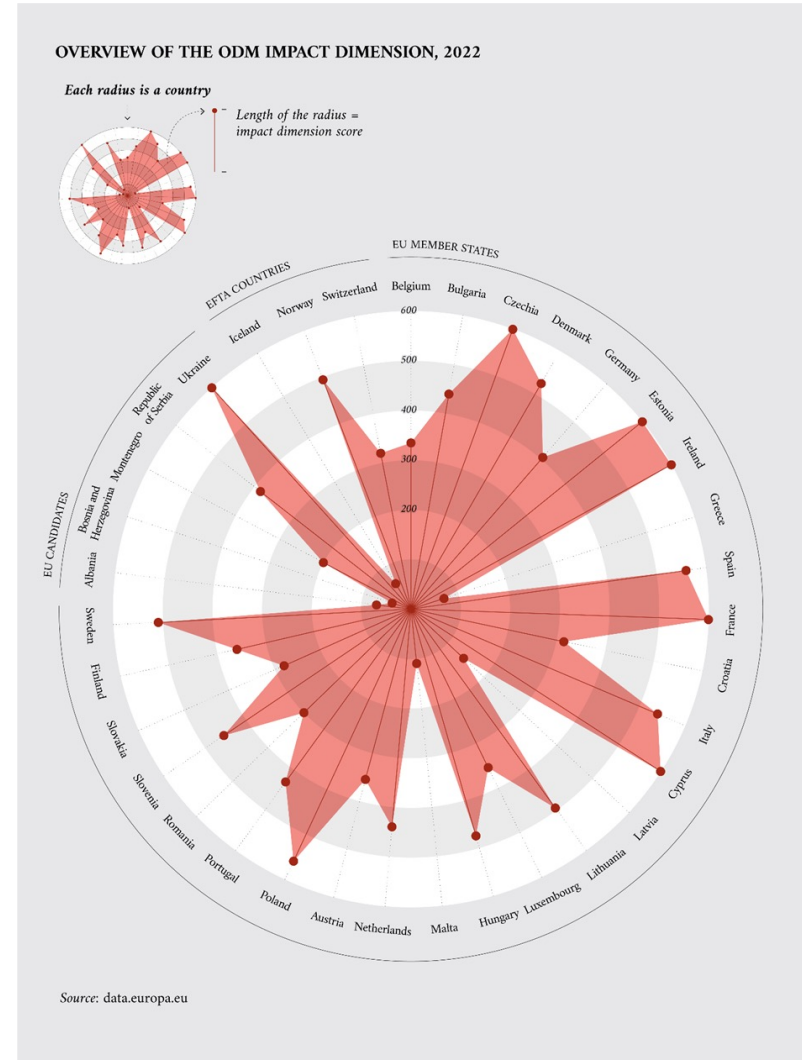
## Measuring Reuse

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



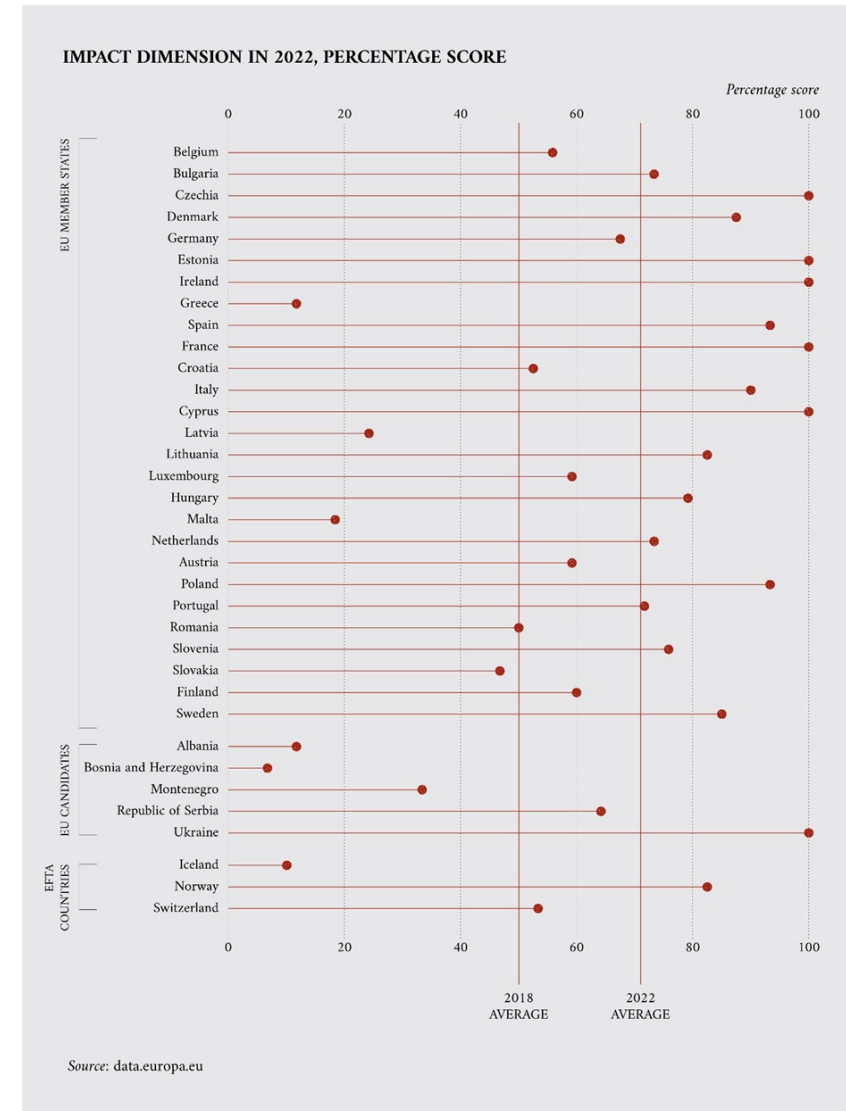
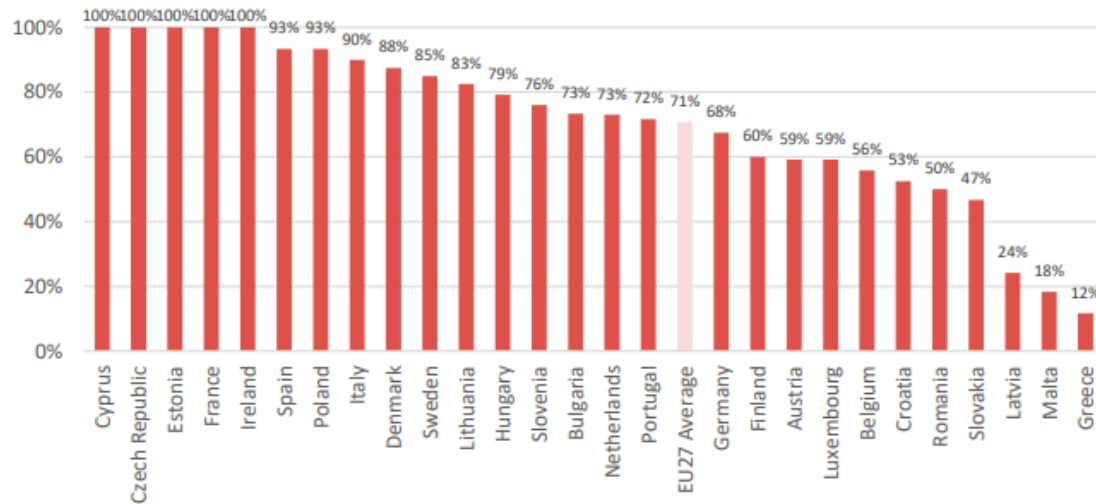
## Created Impact

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



# Impact Dimension Results

- The least mature dimension, having the lowest average score (71%) among the four dimensions evaluated in the ODM for the EU-27.
- The average score for the EU-27 has increased significantly from the first ODM in **2018 (50%) to today in 2022 (71%)**.
- Five countries – **Cyprus, the Czech Republic, Estonia, France and Ireland** – score maximum points for strategic awareness, measuring impact and created impact. They are closely followed by **Spain, Poland and Italy** who all score above 90%.



# Strategic Awareness Insights



## Strategic Awareness

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

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### Legal Frameworks

Provide a strong foundation for defining reuse and monitoring and measuring impact.

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### Community Engagement

Several countries, such as France, actively involve communities in the monitoring process. .

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### Data Metrics

Many countries use data metrics to assess open data impact.

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### Government-Level Monitoring

In some countries, open data officers within government ministries have specific monitoring obligations.

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### KPI Tools

Ireland's Key Performance Indicator (KPI) tool is an example of a technology-driven approach to measuring data impact.

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### Yearly Impact Studies

Some countries conduct annual impact studies to assess the effects of open data over time.

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### High-Value Datasets Focus

Several countries are preparing to monitor high-value datasets specifically.

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### Interdepartmental Cooperation

In France it facilitates a more comprehensive evaluation of open data's impact.

# Measuring Reuse Insights



## **Measuring Reuse**

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

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### **Understanding and measuring data reuse**

81% of respondents conducted activities in the past year to map which datasets are being reused.

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### **Methods for Identifying Reuse**

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

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### **Additional Measurement Methods**

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

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### **Understanding Reusers' Needs**

78% of countries conduct regular feedback sessions, statistics, surveys, webinars, and hackathons.

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### **Gathering Reuse Cases**

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

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### **Classifying Reuse Cases**

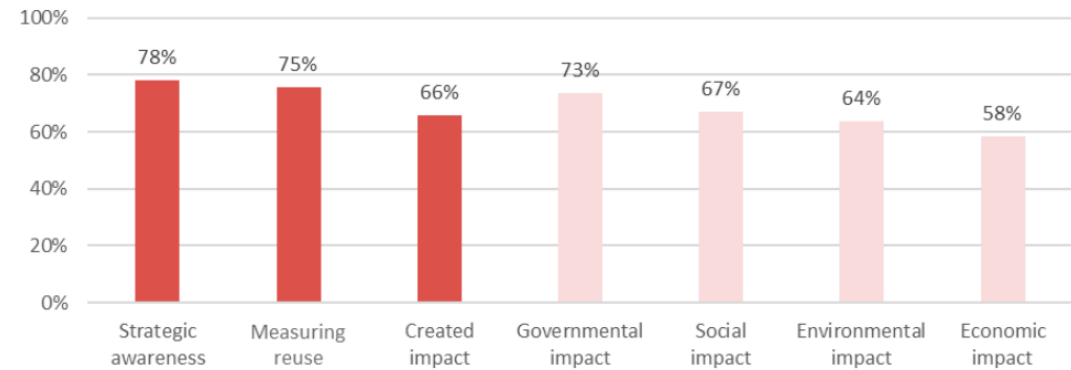
Only 37% of countries have a systematic way of classifying reuse cases.

# Created Impact Insights



## Created Impact

The extent to which examples of reuse cases exist to showcase the impact of open data in several areas (political, social, environmental, and economic).



The impact of open data is felt strongest in **government (EU average 73%)** through improved transparency and government efficiency.

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

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



# Open data best practices of Czech Republic

Lenka Kovacova

# Open Data\_Impact\_Re-use

Czech Republic

Lenka Kovacova



# Open Data and DIA

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

# Open Data Impact Measurement

- > Methodology for developing an analysis of the impact of open data in the Czech Republic
  - comprehensive impact assessment
  - basic problem is that open data does not manifest itself immediately, but only indirectly through the use and often with a time lag
  - based on the identification of the value of open data across the whole of society
  - collection of re-uses – only part of the methodology







# Governmental Impact



# Hlídač smluv/Contracts Watchdog

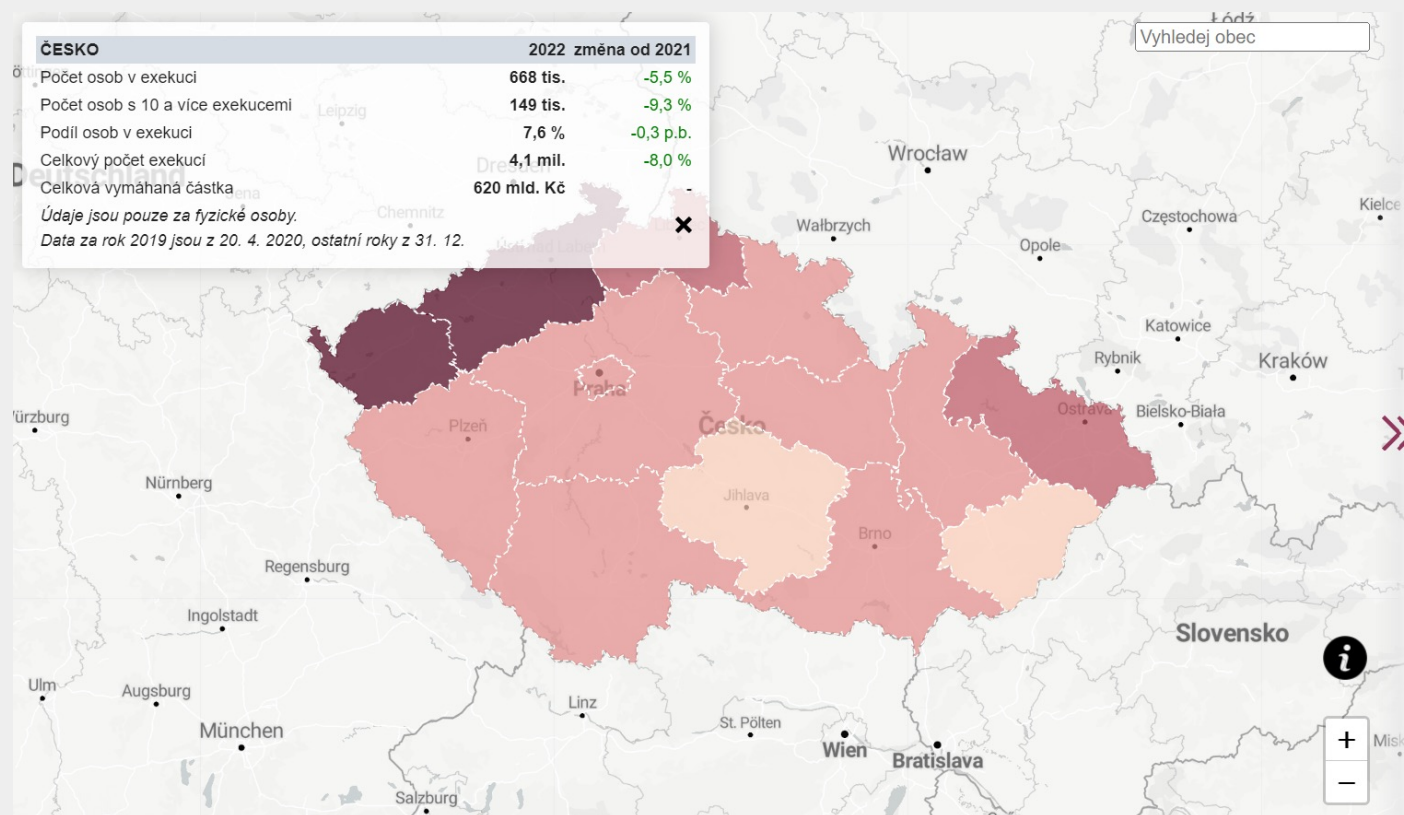
- > data from the Register of Contracts and about public procurement
- > public control of state and local government, politicians and companies
- > the public authorities are able
  - to compare common prices for provided services
  - to spend resources more efficiently
  - to check if they meet the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

Smlouva podepsána	Smlouva zveřejněna	Plátce	Dodavatel/é	hodnota smlouvy s DPH
31.01.2020	09.03.2020	 Ministerstvo financí	1. JPMorgan Chase & Co. 2. Aldermanbury Investments Limited  +84 dalších dodavatelů Agreement to Amend Certain Qualified Financial Contracts (AVISme 2020000490)   <b>Obor smlouvy:</b> IT Vývoj (na zakázku, včetně možné následné podpory)	Neuveдена
Počet nedostatků: 88		<a href="#">UKÁZAT</a>		
11.07.2016	25.07.2016	 Statutární město Olomouc	1. FYZICKÁ OSOBA 2.  Statutární město Olomouc  +51 dalších dodavatelů Kupní smlouva   <b>Obor smlouvy:</b> Realitní služby (poradenství, konzultace)	383 039 Kč
Počet nedostatků: 54		<a href="#">UKÁZAT</a>		
22.09.2016	22.09.2016	 Statutární město Olomouc	1. FYZICKÁ OSOBA 2. FYZICKÁ OSOBA  +45 dalších dodavatelů Kupní smlouva   <b>Obor smlouvy:</b> Realitní služby (poradenství, konzultace)	361 302 Kč
Počet nedostatků: 47		<a href="#">UKÁZAT</a>		

<https://www.hlidacstatu.cz/smlouvy>

# Mapa exekucí/Map of executions

- > the execution data by individual regions, districts, and municipalities
- > drew attention to the (often illegal) activities of the Chamber of Bailiffs
- > the law on executions has been amended
- > highlighted the uneven distribution of foreclosures in the regions and led to the Summer of Grace activity (debt forgiveness)



<https://mapaexekuci.cz/mapa/>







# Social Impact





# Prázdné domy/Empty Houses

- > draws attention to long-term empty houses that
  - present difficulties for their location
  - attract negative social phenomena
  - reduce the value of the surrounding properties
- > people
  - are aware of surroundings
  - are interested in the history of objects and appreciate them more
  - fight against the purposeful deterioration of buildings

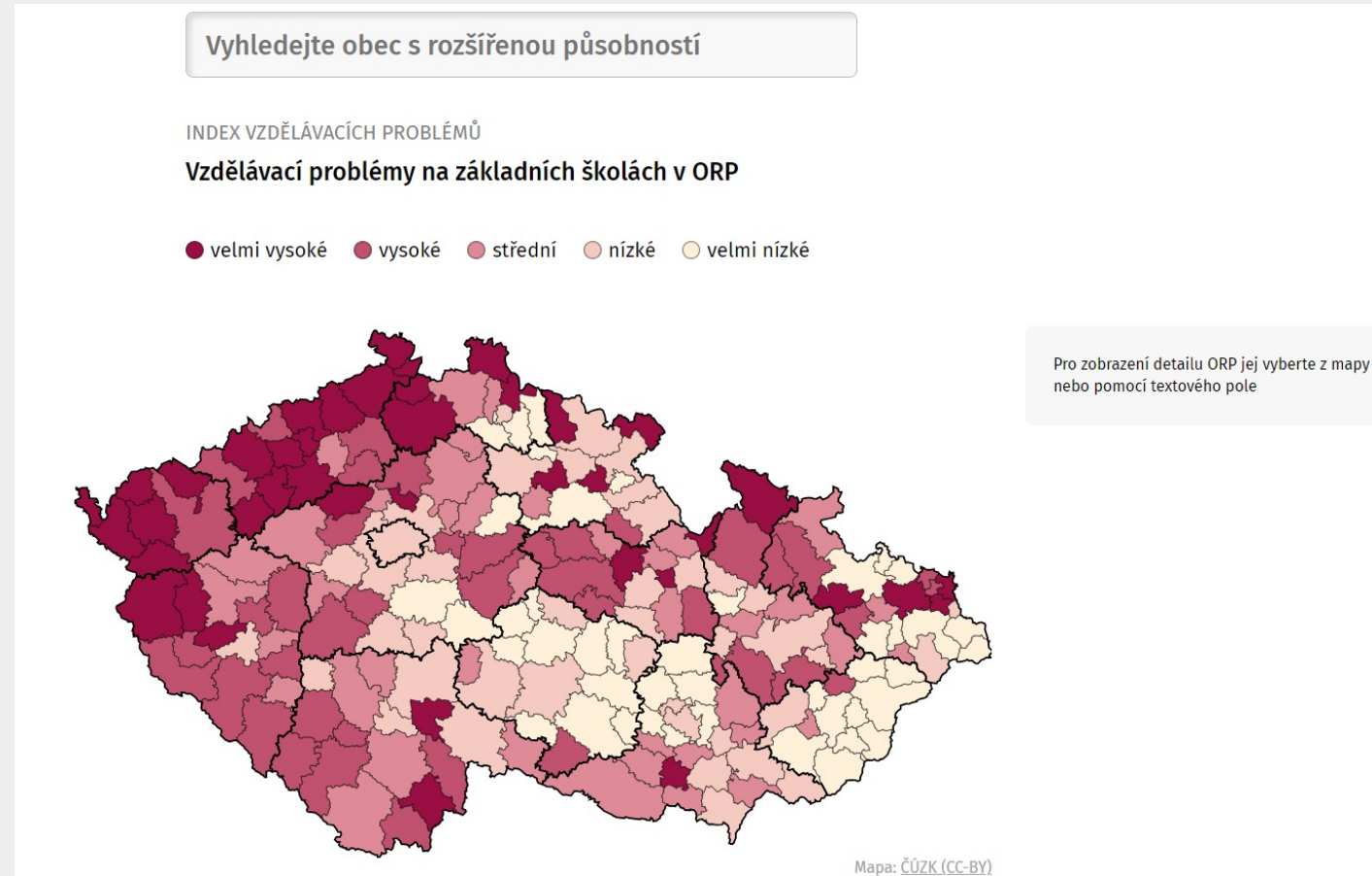
Objekt	Adresa	mapa	Osoby spjaté s nemovitostí
 <b>Zachráněný dům</b> Ubytování Stav: Používaný	 <b>Zdoňov 40</b> 54957 Teplice nad Metují Náchod 50° 37' 58.7", 16° 8' 18.6"		 Majitel: (katastr) Architekt: neznámý nebo nevyplněný
<b>Doplňující informace</b> Máte k objektu informace / fotografie? Použijte nahoře vpravo "doplnit kartu", kde se můžete stát také autorem / spoluautorem této karty.			<b>Náhled galerie</b>
<b>Časová osa</b> <b>2022</b> > Používaný Dům majitelé proměnili ve svůj domov. A jelikož je poměrně veliký, část z něj pronajímají vyletníkům. Ti do kraje míří za tichem, památkami, a hlavně adršpašskými skálami. Na faru je lákají také zvířata, majitelé nedaleko chovají koně. Pod hlavičkou spolku Trinitas začali také organizovat brigády snažící se opravit sousední kostel, zahájili také jednání s církví o převodu majetku. Majitelé by se v budoucnu rádi přestěhovali z fary do sousední stodoly. Z jejich nynějšího domova by tak mohly vzniknout čtyři krásné apartmány. [2]			
<b>2012</b> > Stavební úpravy			<a href="#">Zobrazit kompletní galerii</a>

<https://prazdnedomy.cz/>

# Mapa vzdělávacího ne/úspěchu

## Map of educational failure/success

- > draws attention to the huge inequalities at the level of education between regions
- > how is a student's educational failure related to the social situation or funding of schools in the region
- > what are the strengths and weaknesses in education
- > authors are part of government advisory bodies



<https://www.mapavzdelavani.cz/>



# Environmental Impact



- > analysis of publicly available environmental data
- > to provide the public with environmental data in a clear, comprehensible and interactive form that captures and teaches
- > author cooperates with the media and public organizations

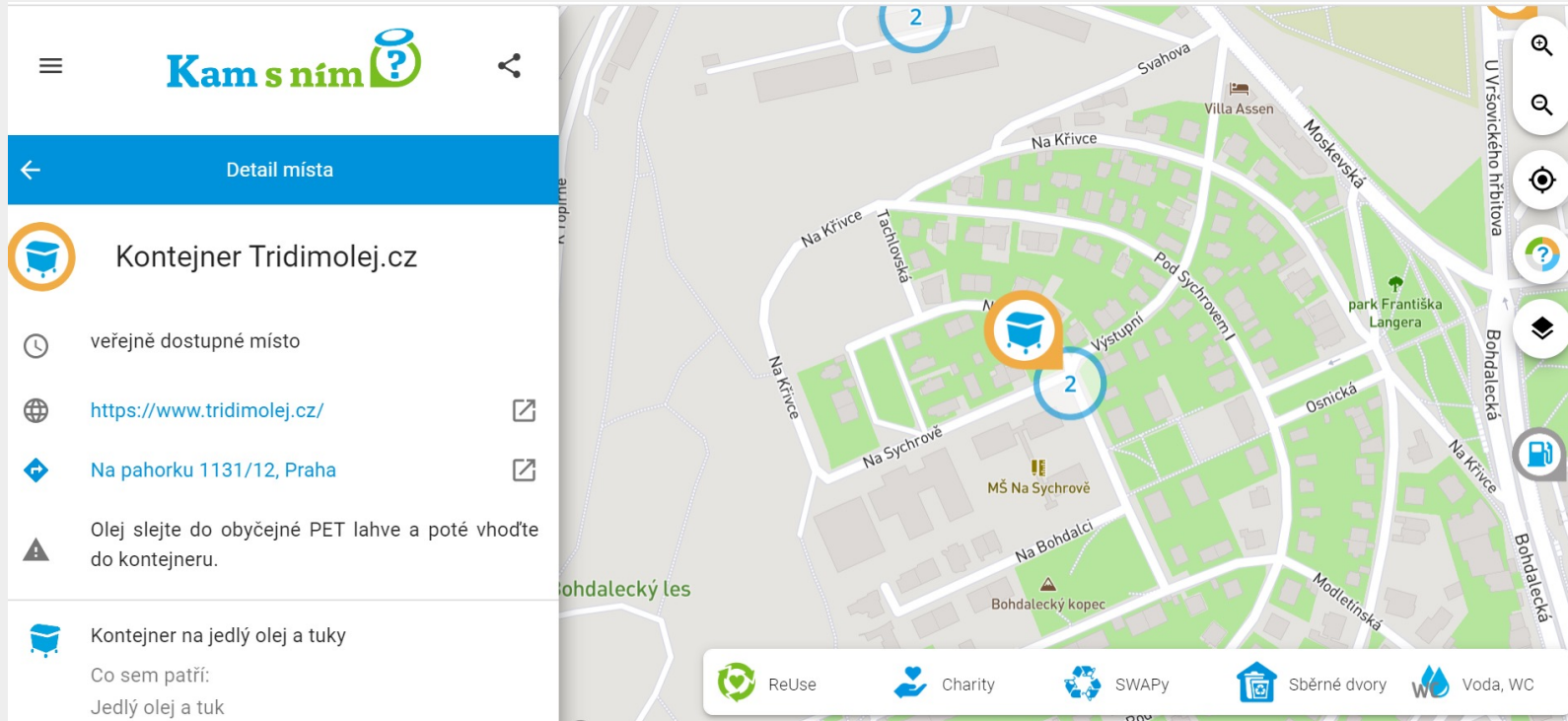
The screenshot displays the Envidata website interface. At the top, there is a navigation bar with icons and labels for 'Infografiky', 'Faktografiky', 'FAQ', 'Rozcestník', 'Envidata', and 'English'. Below this is a secondary menu with icons for 'Počasí a klima', 'Kvalita ovzduší', 'Voda', 'Vzdělávací', 'Energetika', 'Životní prostředí', 'Geografie', 'Aktuality', and 'Jiné'. The main content area is titled 'Nejnovější' and features four infographic cards:

- Vývoj koncentrací oxidu dusičitého (NO<sub>2</sub>) v ČR** (5. 10. 2023)
- Vývoj koncentrací částic PM<sub>10</sub> v České republice** (1. 10. 2023)
- CO<sub>2</sub> intenzita výroby elektřiny** (3. 9. 2023)
- Vývoj průměrné teploty vzduchu v ročních obdobích 1961-2022, Česká republika**

<https://www.envidata.cz/>

# Kam s ním?/Where to take it?

- > places where citizens can legally "get rid" of unwanted things and waste
- > helps to reduce the amount of waste that ends up in landfills, incinerators or in black dumps in nature
- > contains a total of over **110 000** waste collection points



<https://www.kamsnim.cz/>

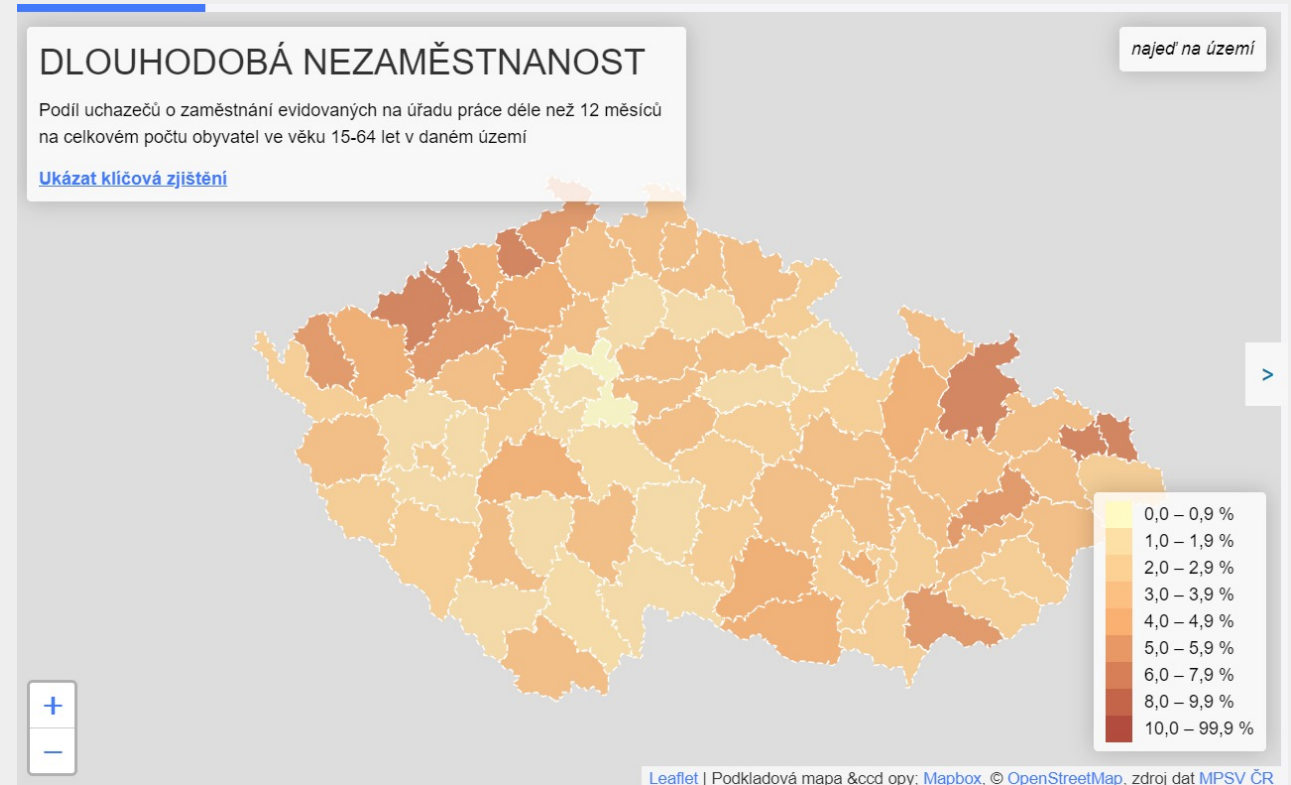


# Economic Impact



# Mapa nezaměstnanosti/Unemployment Map

- > processes data on employment, visualizes them and highlights changes over time
- > was used as a basis for various analyzes:
  - the influence of COVID19 on precarious workers
  - the impact of legislative changes on social benefit payments
  - how low unemployment changes the situation of households with children in material need



<https://www.mapanezamestnanosti.cz/>

# Open Data Re-uses

- > How we find re-use examples
  - hackathons
  - monitoring of the results of (open) data competitions
  - media monitoring
  - direct contact with open data users
- > How we communicate re-uses
  - conferences
  - webinars, e-learning
  - Annual Report on the Status of Open Data in the Czech Republic
- > Future
  - a list of re-use examples with a link to a specific data set on the Open Data Portal
  - possibility to report re-use examples



# Lenka Kovacova

[lenka.kovacova@dia.gov.cz](mailto:lenka.kovacova@dia.gov.cz)



# Open data best practices of Sweden

Ulrika Domellöf Mattsson & Josefin Lassinantti



**MYNDIGHETEN FÖR  
DIGITAL FÖRVALTNING**  
Agency for Digital Government

# Hi!

- Josefin Lassinantti
- Specialist in open data & product owner of the Swedish data portal
- Kontakt:  
[josefin.lassinantti@digg.se](mailto:josefin.lassinantti@digg.se)



# Open data impacts in Sweden



# Improvements in the impact dimension

- **The Swedish data strategy (2021)**
  - New government assignments
  - Data as a strategic resource
- **The new Swedish data law (2022)**
  - An open process engaged many
  - Increases awareness about data



# Strategic awareness

- **Crowd driven engagement!**
  - Our community at the Swedish data portal spurs knowledge exchange
  - Individual lobbyists for open data
- **A platform for support and guidance**
  - Recommendations for open data sharing, API-development, open licenses and procurement
- **NEW: Our data ambassador programme**
  - A “train the trainer” concept (2023)



# Measuring reuse

- **A lot of manual detective work**
  - You need a lot of friends!
- **Web statistics + user profiles**
  - Information driven users
  - Development driven users
  - Analytically driven users
  - Organisational improvements driven users
- Generic areas for impacts as discussion material



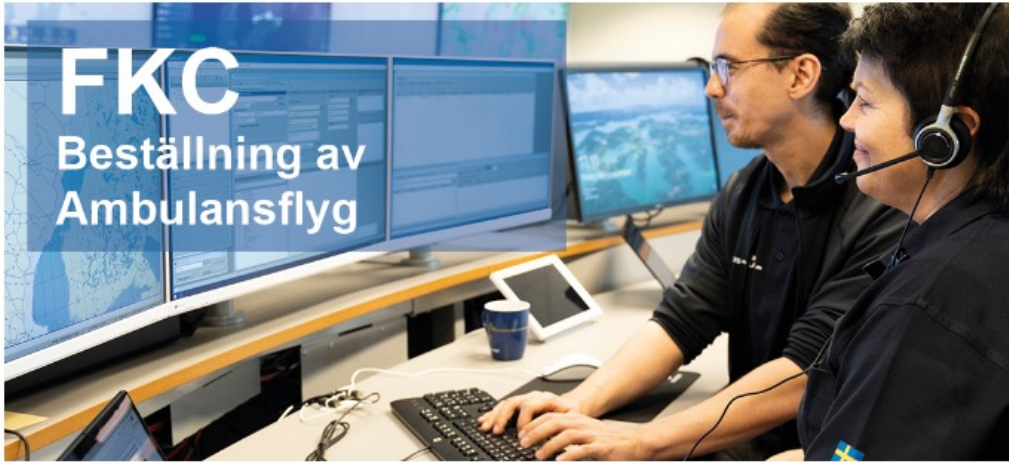


# Created impact!



# Secure air ambulance flights

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



SVENSKT  
AMBULANSFLYG <sup>AB</sup> Start Kommunalförbund Verksamhet Nyheter Lediga tjänster Kontakta oss Beställning

## FKC Beställning av Ambulansflyg

### Beställning

Koordineringscentralen (FKC) tar emot beställningar av ambulansflyg från Sveriges regioner.

#### Beställning av ambulansflyg

Du beställer ambulansflyg via **regionens larmcentral** eller genom att **ringa direkt till FKC**.

• Planerad transport: **090-18 68 70** • Akut transport: **090-18 68 20**  
*Skriv ut rutinen för att alltid ha till hands där du gör dina beställningar.*

• [KSA Beställningsrutin](#) – [Ladda ner](#)

# A growing car pooling community!

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



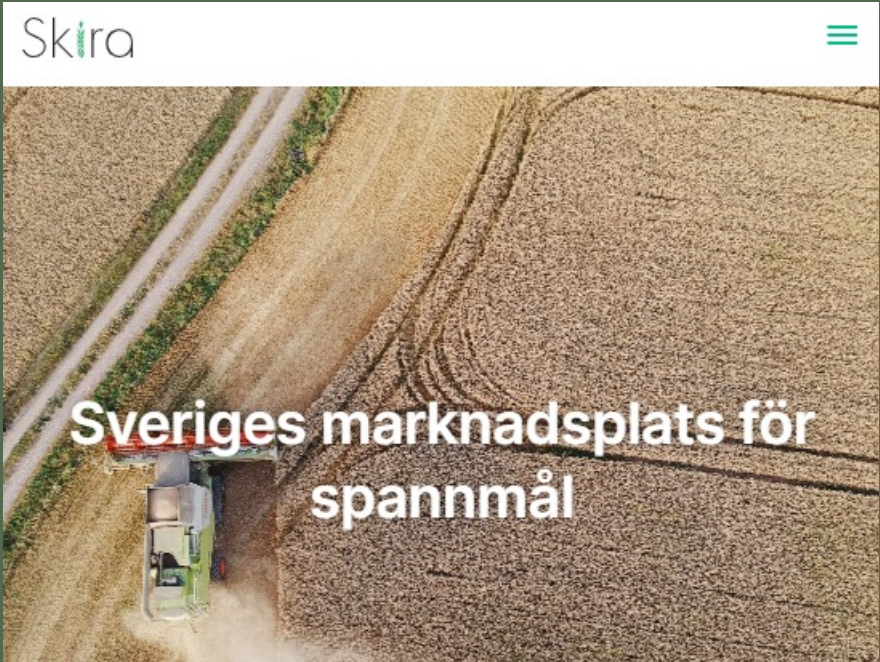
# A Pokémon for biodiversity

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



# A digital market place for grains

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



**Lumen - Introduktion**

Nationella priser

### Höstvete - kvarn, Konventionellt

Här kan du jämföra Skiras priser med andra aktörer i landet

Jämför med index: kr, %, Mått Wheat U21

Period	Ändring
3 mån	+15.25 %
1 år	-1.86 %
1 år	+30.59 %
3 år	+25.09 %

Filter - byt produkt

Ursprung: Kvarn, Pris (kr/ton): 2109, 1v: +10.42%, 3m: +15.25%, 1 år: -1.86%, Datum: 2021-08-18, Typ: K6p

Avslut på Skira Marknadsplats under valt lödperiod. Pristyp: S&J

Quantity	Price	Availability
200 ton	1970 kr/ton	2021-08-18
120 ton	1690 kr/ton	2021-05-12
160 ton	1769 kr/ton	2021-08-02



Communicate  
HOW & WHY!

Lobby politicians  
on impacts 😊!

## What to do next?

Collect & show  
reuse cases!

Investigate  
automatic  
measurements of  
reuse

# Thanks!

Please contact Digg at:

Phone: +46 771-11 44 00

Email: [info@digg.se](mailto:info@digg.se)

[www.digg.se](http://www.digg.se)

Or contact me at:

[josefin.lassinantti@digg.se](mailto:josefin.lassinantti@digg.se)



# Questions & Answers





Please provide  
your feedback!



Stay up-to-date on our  
**2023 activities!**

The logo for Data.europa academy is located in the bottom left corner. It consists of 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.

data.  
europa  
academy

# Join our next webinar!

WEBINAR

Data ownership –  
What is 'your' data?

A graphic for a webinar. It features a large blue circle on the right side. Inside this circle is a smaller white circle. Within the white circle, there are several smaller colored circles (blue, orange, red, blue) and silhouettes of people interacting with them. One person is sitting on a red circle, another is leaning over a red circle, and a third is sitting on a blue circle with a laptop. The background of the entire graphic is a dark grey rectangle.

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# Thank you

