Geospatial Data on data.europa.eu

28 April 2022

Jiri Pilar (European Commission, DG CONNECT)

Antje Kügeler (con terra)

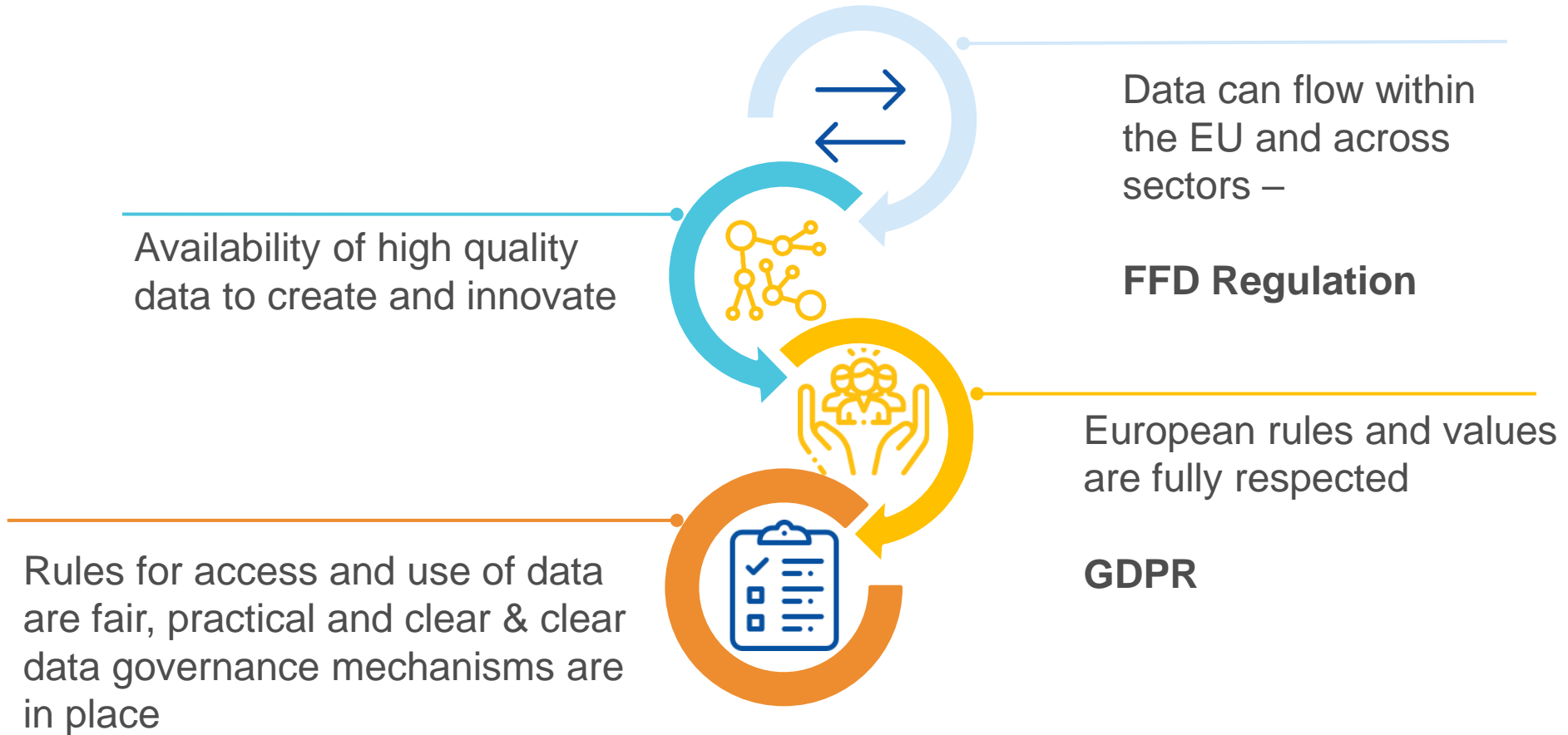data.europa.eu The official portal for European data

The EU's Data policy and Geospatial Data

Workshop on Geodata Discoverability
28 April 2022

Jiri PILAR, European Commission
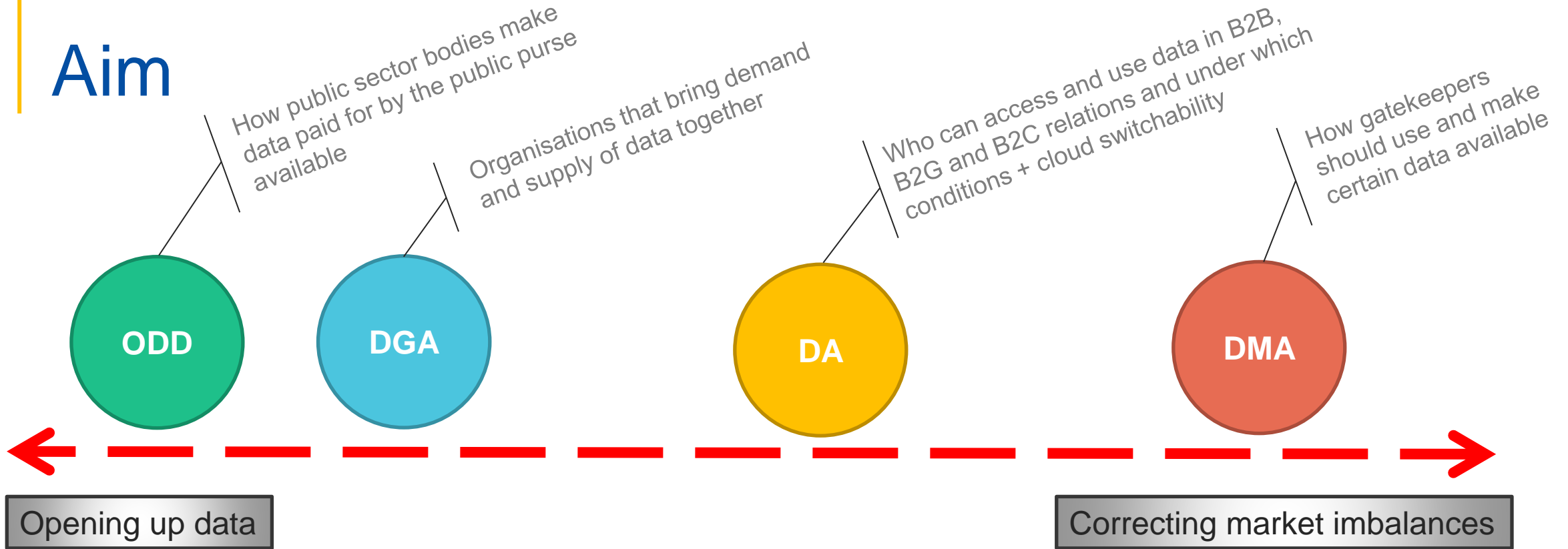DG for Communications Networks, Content and Technology, unit G1

European Strategy for Data

A common European data space, a single market for data

Data can flow within the EU and across sectors –

FFD Regulation

Availability of high quality data to create and innovate

European rules and values are fully respected

GDPR

Rules for access and use of data are fair, practical and clear & clear data governance mechanisms are in place

Benefitting from the second wave of industrial data

European Commission

Aim

How public sector bodies make data paid for by the public purse available

Organisations that bring demand and supply of data together

Who can access and use data in B2B, B2G and B2C relations and under which conditions + cloud switchability

How gatekeepers should use and make certain data available

ODD

DGA

DA

DMA

Opening up data

Correcting market imbalances

DA	Data Act	
DMA	Digital Markets Act	
DGA	Data Governance Act	
ODD	Open Data Directive	
FFoD	Free Flow of Data Regulation	
GDPR	General Data Protection Regulation	

Legend

GDPR and FFoD ensure data protection and free flow of data across the board

For the processing of personal data, GDPR *always* applies

GDPR

FFoD

Data localisation requirements in the Union, introduces basis of CoC for cloud service providers

European Commission

The Data Governance Act:
some intervention areas will concern public sector dataRe-use of categories of protected public data

> **Complementary** to **Open Data Directive** (last revised 2019):

Shall cover data that can only be **used under certain conditions**, because others have rights on that data (personal data, trade secrets, confidential business information, IP)

> Building on national access regimes: where re-use happens, it should do so in a harmonised manner, **subject to conditions**

> Leaves room for MS, but aims to **create at least one contact point (single information point)** for liaison between re-users and public sector bodies/competent bodies

EVIDENCE: More than 75% of stakeholders considered that public authorities should make a broader range of sensitive data available for R&I purposes for the public interest

European Commission

European Data Innovation Board

➤ **Advising and assisting** the Commission in developing a consistent practice for re-use, data intermediaries and data altruism entities;

➤ **Governance of technical standardisation** to enhance interoperability;

➤ **Facilitating the cooperation of the work of national competent authorities** for enhanced data use.

EVIDENCE: 91% of respondents consider that standardisation is necessary to improve interoperability and ultimately data re-use across sectors.
83,3% consider public authorities should play a role in standardisation (funding to open standards and for testing, prioritisation and coordination of standardisation).

European Commission

Data Act: Scope of rights and obligations

Better access to IoT data

Manufacturers of IoT objects need to allow access & can use the data

Users of IoT objects get right to access and port data

3rd parties can use the data to offer services (SMEs get special conditions)

Rules for IoT data also frame data sharing in other sectors
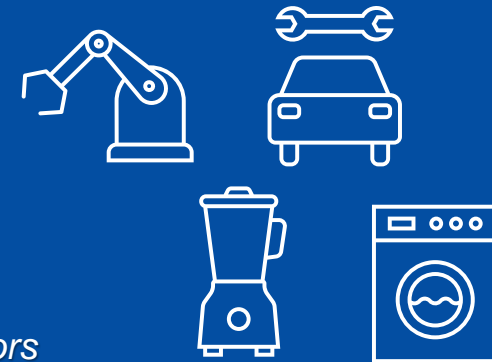
Tackle contractual unfairness

Companies are prohibited from unilaterally imposing unfair contractual clauses related to data sharing on SMEs

Make business available for the common good

Companies must make data available to public sector bodies in case of emergencies and other exceptional needs

Easier switching between cloud services

Cloud service providers must ensure easy switching conditions for customers

Facilitate data flows through technical standards and interoperability

The European Commission may adopt technical specifications if necessary to ensure interoperability

European Commission

Proportionate, limited and predictable business-to-government rules

Data is requested based on an <u>exceptional need</u>:

a) to respond to a public emergency (*free*)

b) to prevent or to address the aftermath of a public emergency (*cost + margin*)

c) for other exceptional needs (*cost + margin*)

Public sector body must demonstrate the exceptional need

Private sector will benefit from streamlined procedures and from the "once-only principle"

Data is destroyed after use
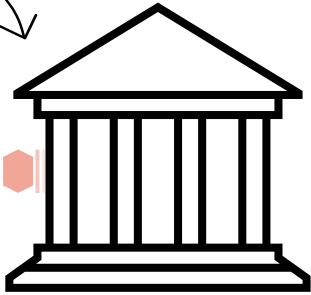
Public sector body requests data based on an exceptional need
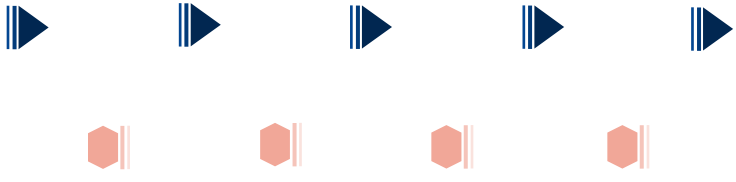
Public sector body

Private sector body makes data available

Private sector

Existing and future [compliance, reporting] sectoral obligations (incl. for law enforcement purposes) continue to apply
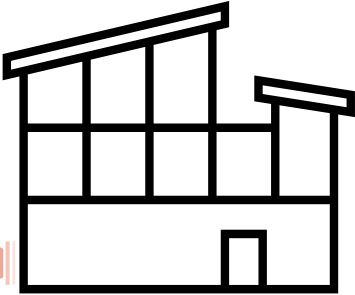
Public sector body or Union institution, agency or body

If request is valid, data must be made available

European Commission

Open Data directive (2019/1024 of 20/6/2019) Implementing Act : list of high value datasets

Geospatial

Earth observation and environment

Meteorological

Statistics

Companies and company ownership

Mobility

- Datasets listed in the implementing act to be made available:

  - for free

  - in machine-readable formats

  - via APIs and (where relevant) as bulk downloads

- Impact Assessment positive opinion
- Expected adoption: Q3/2022

Geospatial – preliminary draft Implementing Regulation

Datasets	Administrative units	Geographical Names	Addresses	Buildings	Cadastral parcels	Agricultural parcels and livestock
Granularity	All generalisation levels available up to the level of scale 1:5000. From municipalities to countries; sea-frontiers.	N/A	N/A	All generalisation levels available up to the level of scale 1:5000.	All generalisation levels available up to the level of scale 1:5000.	Equivalent to 1:5000 as referred to in Article 70(1) of the Regulation (EU) 1306/2013
Geographical coverage	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National (if regional design is applied, the addition of regions should cover the entire country).
Key attributes	Unique identifier; Geometry; Latitude and longitude; Boundary; National identification code; identification code of the upper administrative level; official name; country code; name in multiple languages (only for countries with more than one official language).	Unique identifier; Geometry; Name; name in multiple languages (only for countries with more than one official language); category; latitude and longitude (as per INSPIRE specifications)	Unique identifier; Geometry; Latitude and longitude; address locator (e.g. house number); thoroughfare (street); name; administrative units (e.g. municipality; province, country; postal descriptor (e.g. post code); date of last update.	Unique identifier; Geometry/Footprint of the building; floors; type of use.	Unique identifier; Geometry (boundary) of cadastral parcels; type of parcel; parcel code; references to the administrative area to which the parcel belongs.	Reference parcels as defined by Commission Delegated Regulation (EU) 640/2014); Agricultural area ('land cover') as referred to in article 4(1)(e) of Regulation (EU) No 1307/2013; Agricultural parcels ('land use') as referred to in Article 67(4)(a) of Regulation (EU) 1306/2013 and Article 5(2) of Commission Delegated Regulation (EU) 640/2014; Geometry and land use of agricultural parcels as referred to in Article 14(d) of Commission Delegated Regulation (EU) 809/2014; crop groups associated as referred to in Article 17 of Commission Delegated Regulation (EU) 640/2014; Landscape features and trees as referred to in Article 9(1) of Commission delegated Regulation (EU) 640/2014; Type of animals and number of each type of animals (Article 21c of Commission Delegated Regulation (EU) 809/2014

High Value Datasets and Data Spaces

Common European data spaces

| Health | Industrial & Manufacturing | Agriculture | Finance | Mobility | Green Deal | Energy | Public Administration | Skills |

High Value Datasets from public sector
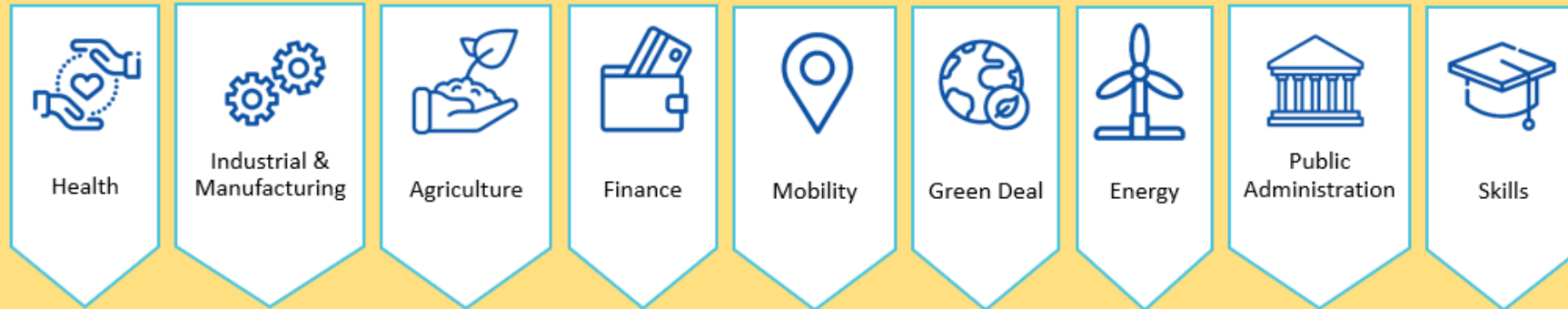
- Driven by stakeholders
- Rich pool of data of varying degree of openness
- Sectoral data governance (contracts, licenses, access rights, usage rights)
- Technical tools for data pooling and sharing

Data Spaces Support Centre

- Coordinating the development of data spaces
- Assuring common standards and interoperability

Technical infrastructure for data spaces

Edge & cloud Services · Smart Middleware solutions · Marketplace · High-Performance Computing · AI on demand platform · AI Testing and Experimentation Facilities

Digital Europe Programme call 2 is pending: Public Sector Open Data for AI

- Grants will support increasing semantic, technical and legal interoperability and data portability of the free high-value datasets;

- Targeted stakeholders: Public Administrations addressed by the Open Data Directive as data providers;

- Simple grants: 50% funding rate;

- Indicative budget: EUR 20 million in total, for 24-36 months. Between EUR 4 million and EUR 6 million per project.

- Deadline: 17 May 2022 17:00

Thank you very much for your attention

For further questions:

email: CNECT-G1@ec.europa.eu
Unit G1 of DG CONNECT

Websites with more information:

https://eur-lex.europa.eu/legal-content/EN/LSU/?uri=celex:32019L1024

https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy_en

https://ec.europa.eu/digital-single-market/en/open-data

data.europa.eu

- The official portal for data in Europe
  - "European Union Open Data Portal" and "European Data Portal" were combined in April 2021

- Single access point to open data from Europe

- Strategic objective is to improve accessibility of open data

data.europa.eu
@EU_opendata

Today is our birthday!🎂🙌 One year ago, data.europa.eu went live giving access to open data from portals across Europe. Discover us and read more about us ➡️➡️bit.ly/3rJ6dEm

3:00 nachm. · 21. Apr. 2022 · Emplifi

data.europa.eu
The official portal for European data

data.europa.eu - data sharing

- Search across countries and thematic domains, multi-lingual
- Access to metadata
  - from 173 catalogues
  - from 36 countries
  - Descriptions of more than 1 Mio. datasets
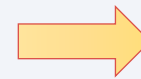
Harvesting

- Metadata is harvested from
  - Open Data Catalogues
  - Geo-catalogues

- Catalogue providers
  - EU Institutions
  - European Countries
  - International institutions

Harvesting of Geo-Catalogues

- Harvesting of metadata via CSW endpoints

- dataset and service metadata (ISO 19139)

- Mapping ISO 19139 to GeoDCAT-AP

- After harvesting:
  - Translation of title and description (eTranslation)

data.europa.eu

English (en)

| Data ⌄ | Studies ⌄ | data.europa academy |

Dataset   Categories   Similar Datasets   Quality   Feedback   Sh

Cycling routes Free State of Saxony

GDI-DE   Updated:

The title and description of this dataset are machine translated.
Original language: de
Click here to see the dataset in the original language

Display in data.europa.eu

- Description of the data source

- Preview in map
  - Web Map Service (WMS)
  - GeoJSON

Discoverability by Search Engines

- schema.org JSON-LD included in html
- for indexing by mainstream search engines

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