



# Otevřená data s vysokou hodnotou

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# Směrnice o otevřených datech - základní fakta

Competition  
instrument

Open Data  
Directive

Open Data  
instrument

Introduces a minimal set of rules to make more data from the public sector easier and cheaper to use for innovation

The Directive does not apply to:

- data not publicly accessible under access to information regimes
- information protected by third party intellectual property rights

Application of the Directive must fully respect the Union and the national data protection rules

**Latest revision in 2019:** now entitled '[Directive on Open Data and the re-use of public sector information](#)'

# Datové soubory s vysokou hodnotou

- a) dostupné bezplatně;*
- b) strojově čitelné;*
- c) přístupné prostřednictvím rozhraní pro programování aplikací a*
- d) tam, kde je to relevantní, poskytnuty s možností stažení  
kompletní datové sady.*

## Exceptions:

- Free availability requirement shall not apply to public undertakings if there is a risk of competition distortion
- In case of a substantial impact on the budget of the public bodies involved, free availability can be delayed by up to 2 years

# Prováděcí akt o datových sadách s vysokou hodnotou

*Geospatial*

*Earth observation  
and environment*

*Meteorological*

*Statistics*

*Companies and  
company ownership*

*Mobility*

*Examples in recital 66:*

"the thematic categories listed in the Annex could inter alia cover postcodes, national and local maps (Geospatial), energy consumption and satellite images (Earth observation and environment), in situ data from instruments and weather forecasts (Meteorological), demographic and economic indicators (Statistics), business registers and registration identifiers (Companies and company ownership), road signs and inland waterways (Mobility)."

**Tematické kategorie lze rozšířit o akt v přenesené pravomoci**

# Geospatial – draft Implementing Regulation

Datasets	Administrative units	Geographical Names	Addresses	Buildings	Cadastral parcels	Agricultural parcels and livestock
<b>Granularity</b>	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
<b>Geographical coverage</b>	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).
<b>Key attributes</b>	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

# Earth observation and environment - draft Implementing Regulation

Datasets	
Earth observation data sets	Environmental data sets: e-reporting priority data
Hydrography (I)	Air quality: Directive 2008/50/EC
Land cover (II), land use (III)	Emissions: Directive 2010/75/EU, Directive 2012/18/EU, Directive 91/676/EEC, Regulation (EC) 166/2006, Regulation (EU) 2017/852
Elevation (II)	Nature preservation and biodiversity: Directive 2009/147/EC, Directive 92/43/EEC, Regulation (EU) 1143/2014, Nationally designated areas – CDDA, National biogeographical regions
Geology (II)	Noise: Directive 2002/49/EC
Ortho-imagery (II)	Waste: Directive 1999/31/EC, Directive 2006/21/EC, Directive 86/278/EEC, Directive 91/271/EEC
Oceanography (III)	Water: Directive 91/271/EEC, Directive 2006/7/EC, Directive 2000/60/EC and Directive 98/83/EC, Directive 2007/60/EC, Directive 2008/56/EC
Sea Regions (III)	Hydraulic fracturing: Recommendation 2014/70/EU
Protected sites (I)	
Bio-geographical regions (III)	
Environmental monitoring facilities (III)	
Habitats/Biotopes (III)	
Natural Hazards (III)	
Soil (III)	
Species distribution (III)	

# Meteorological- draft Implementing Regulation

Datasets	Observations data measured by weather stations	Climate data: validated observations	Weather alerts	Radar data	NWP model data
<b>Granularity</b>	Per weather station, full temporal resolution	Per weather station, full temporal resolution	Alerts, 48 hrs or more ahead	Per radar station in the MS and national composite	Minimum 48 hrs ahead in 1hr steps, national, at 2.5km/best available grid
<b>Key attributes</b>	All observation variables measured	All validated measured observation variables; daily average per variable		Reflectivity, Backscatter, polarization. Precipitation, wind, and echotops	Deterministic and/or ensembles if available, for meteorologically relevant parameters and levels
<b>Format</b>	BUFR, NetCDF, ascii (for real time data), JSON (for hourly data)	NetCDF, JSON	XML (Cap or RSS / Atom)	HDF5, JSON	GRIB (or NetCDF), JSON
<b>Update frequency and timeliness</b>	Every 5-10 minutes in real time for automated stations, hourly unvalidated for all stations, for the last 24 hrs	Daily validated hourly (and better temporal resolution) and daily average observations data; all digitised historical data	As issued or hourly	Near real time in 5 minute intervals (or available shortest interval)	Every 6 hrs, or better temporal resolution, from the last 24 hrs.

# Mobility – draft Implementing Regulation

- Datasets within the scope of the INSPIRE data theme Transport Networks as defined in Annex I to Directive 2007/2/EC. Road, rail, air and water transport networks and related infrastructure.
  - At all generalisation levels available up to a scale of 1:5000;
  - National coverage (where available);
  - Including national identification code;
  - Longitude and latitude as well as links with cross-border networks, where available.
- For those Member States to which the Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community (RIS Directive) applies, this category also includes the datasets in the table below; the datasets are understood as described in the RIS Directive



# Progress so far and next steps

- The Open Data Directive (EU) 2019/1024 – to be transposed by 17 July 2021
- Work towards the definition of the List of HVDs (2019-21) in an Implementing Regulation
  - Impact assessment – finalised and successfully passing through the RSB – December 2020
  - Inter-service consultation – under preparation
  - Online public consultation – will follow the ISC
  - Open Data Committee (comitology: for the Implementing Regulation)
  - Proposal of the list of HVDs to be submitted to the Open Data Committee in 2021-2

# Akt o evropské správě dat: hlavní prvky návrhu nařízení, které je v současné době v legislativním procesu

1) Framework for new data intermediaries in the Single Market

2) Framework for data altruism

3) Re-use of sensitive data held by public sector bodies

4) Co-ordination and interoperability: European Data Innovation Board

**Lead to wider sharing of both personal and non-personal data (industrial, sensor-generated, IoT) in 'EU Data Spaces'**

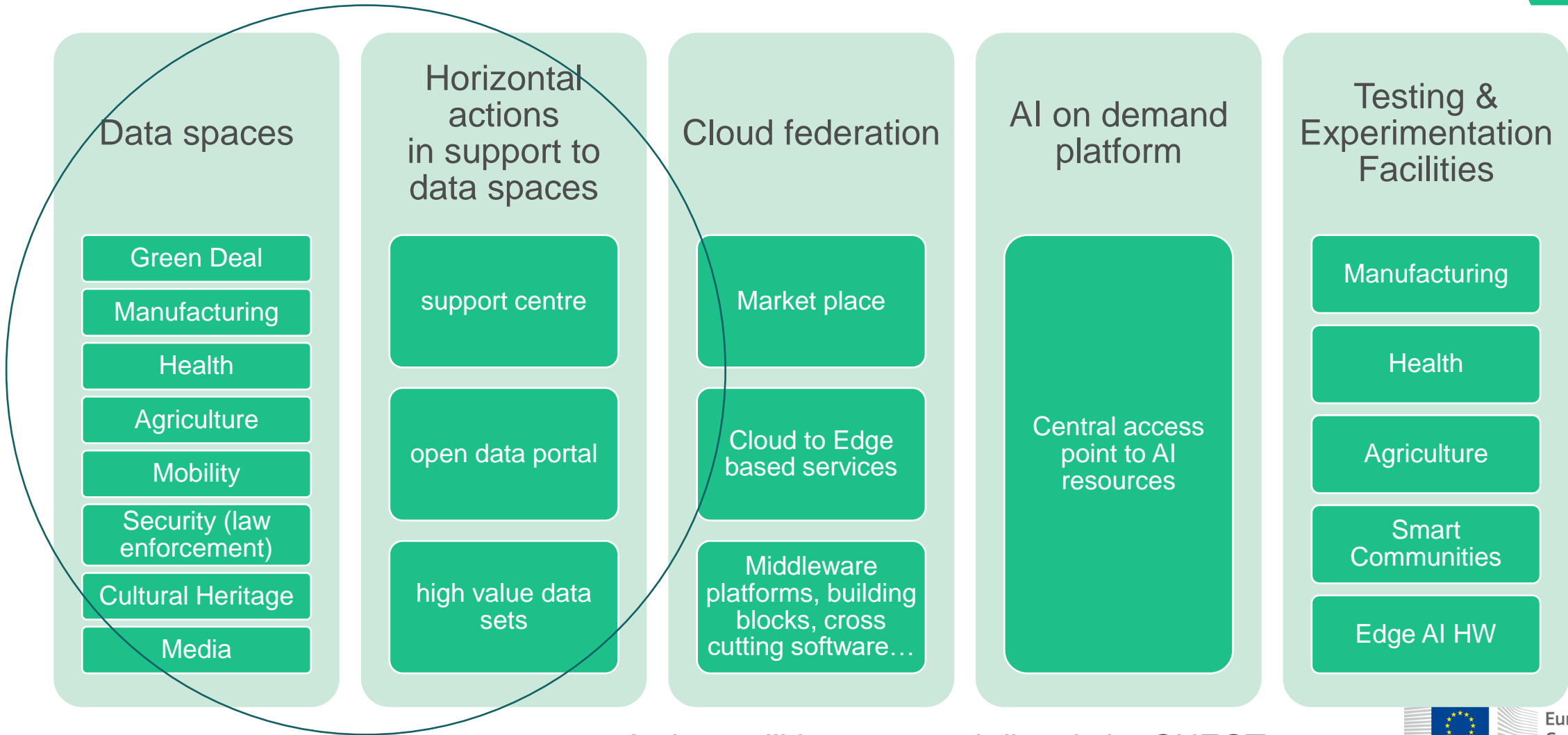
# Opakované použití určitých kategorií chráněných dat v držení subjektů veřejného sektoru

- **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**  
Following approaches on statistical microdata – [www.casd.eu](http://www.casd.eu) – and FR Health Data Hub or DE «Forschungsdatenzentren»
- 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

# DEP: Artificial intelligence, data and cloud



Actions will be managed directly by CNECT



**Thank you very much for your  
attention**

**For further questions:**

**email:** [CNECT-G1@ec.europa.eu](mailto: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/info/strategy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy_en)  
<https://ec.europa.eu/digital-single-market/en/open-data>