

Brussels, XXX [...](2022) XXX draft

ANNEX

ANNEX

to the

Commission Implementing Regulation

laying down a list of specific high-value datasets and the arrangements for their publication and re-use

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1. Geospatial

1.1. Datasets in scope

The geospatial thematic category includes datasets within the scope of the INSPIRE data themes Administrative units, Geographical names, Addresses, Buildings and Cadastral parcels as defined in Annex II to Directive 2007/2/EC of the European Parliament and of the Council¹. In addition, it includes Reference parcels and Agricultural parcels as defined in Regulation (EU) No 1306/2013 of the European Parliament and of the Council² and of Regulation (EU) No 1307/2013 of the European Parliament and of the Council³ and the related delegated and implementing acts⁴. Their granularity, geographical coverage and the key attributes are listed in the table below. If datasets are not available at the scale indicated in the table below, but are available at higher spatial resolution(s)⁵, they shall be provided at the available spatial resolution.

Datasets	Administrative units	Geographical names	Addresses	Buildings	Cadastral parcels	Reference parcels	Agricultural parcels
Granularity	All levels of generalisation available with a	N/A	N/A	All levels of generalisation available with a granularity	All levels of generalisation available with a granularity	A level of accuracy that is at least	A level of accuracy that is at least

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¹ Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) (OJ L 108, 25.4.2007, p. 1).

² Regulation (EU) 2021/2116 of the European Parliament and of the Council of 2 December 2021 on the financing, management and monitoring of the common agricultural policy and repealing Regulation (EU) No 1306/2013 (OJ L 435, 6.12.2021, p. 187)

³ Regulation (EU) 2021/2115 of the European Parliament and of the Council of 2 December 2021 establishing rules on support for strategic plans to be drawn up by Member States under the common agricultural policy (CAP Strategic Plans) and financed by the European Agricultural Guarantee Fund (EAGF) and by the European Agricultural Fund for Rural Development (EAFRD) and repealing Regulations (EU) No 1305/2013 and (EU) No 1307/2013 (OJ L 435, 6.12.2021, p.1)

⁴ Commission Delegated Regulation (EU) 2022/1172 of 4 May 2022 supplementing Regulation (EU) 2021/2116 of the European Parliament and of the Council with regard to the integrated administration and control system in the common agricultural policy and the application and calculation of administrative penalties for conditionality and Commission Implementing Regulation (EU) 2022/1173 of 31 May 2022 laying down rules for the application of Regulation (EU) 2021/2116 of the European Parliament and of the Council with regard to the integrated administration and control system in the common agricultural policy

⁵ Spatial resolution as defined in Annex Part B Section 6.2 of Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata (OJ L 326, 4.12.2008, p. 12).

Geographical coverage	granularity up to the scale of 1:5000. From municipalities to countries; maritime units.	Single or mult	iple datasets that shall	up to the scale of 1:5000.	up to the scale of 1:5000.	equivalent to that of cartography at a scale of 1:10 000 and, as from 2016, at a scale of 1:5 000, as referred to in Article 70(1) of Regulation (EU) 1306/2013.	equivalent to that of cartography at a scale of 1:10 000 and, as from 2016, at a scale of 1:5000, as referred to in Article 70(1) of Regulation (EU) 1306/2013.
organi in the same							
Key attributes	Unique identifier; Unit type (administrative or maritime unit); Geometry ⁶ ; Boundary status; National identification code; Identification code of the upper administrative level; Official name; Country code; Name in multiple languages (only for countries with more	Unique identifier; Geometry; Name in multiple languages (only for countries with more than one official language) including a language with Latin characters, when feasible; Type.	Unique identifier; Geometry; 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); Number of floors; Type of use.	Unique identifier; Geometry (boundary of cadastral parcels or basic property units ⁷); Parcel or basic property unit code; A reference to the administrative unit of lowest administrative	Unique identifier; Geometry (boundary and area); Land cover ⁸ ; organic ⁹ ; Stable landscape elements ¹⁰ ("EFA- layer"); areas with natural/specific constraints.	Unique identifier; Geometry (boundary and area of each agricultural parcel); Land uses (crops or crop groups); Organic; Individual landscape element; Permanent grassland.

⁶ In this Annex, geometry refers to two dimensions at minimum.

⁷ Basic property units shall be made available by Member States where unique cadastral references are given only for basic property units and not for parcels.

⁸ The agricultural area as referred to in Article 4(1) of Regulation (EU) No 1307/2013.

⁹ Informing whether the parcel is managed under organic practices.

¹⁰ Referred to as a reference "Ecological Focus Areas (EFA) layer" in the Land Parcel Identification System (LPIS) (Article 70 of Regulation (EU) 1306/2013).

when feasible.		than one official language) including a language with Latin characters,		level to this pare basic prounit below	cel or operty	
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1.2. Arrangements for the publication and re-use

- a) The datasets shall be made available for re-use:
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in a publicly documented, Union or internationally recognised open, machine-readable format;
 - through application programming interfaces ('APIs')¹¹ and bulk download;
 - in their most up-to-date version.
- b) The metadata describing the datasets within the scope of the INSPIRE data themes shall contain at least the metadata elements set out in Commission Regulation (EC) No 1205/2008. 12
- c) For the implementation of the Reference parcels and Agricultural parcels datasets, Member States shall take into consideration the ongoing implementation of Directive 2007/2/EC as well as the obligation foreseen by Article 67(3) and 67(5) of Regulation (EU) 2021/2116.

¹¹ Such as direct access download services based on Directive 2007/2/EC.

¹² Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata (OJ L 326, 4.12.2008, p. 12).

2. Earth observation and environment

2.1. Datasets in scope

The earth observation and environmental category includes earth observation, including space-based or remotely-sensed data, as well as ground-based or in situ data, environmental and climate datasets within the scope of the INSPIRE data themes listed in the first table below and defined in Annexes I-III to Directive 2007/2/EC, and datasets produced or generated in the context of the legal acts listed in the second table below. The most up-to-date datasets as well as historical versions of datasets available in machine-readable format at all levels of generalisation available up to the scale of 1:5000 covering the entire Member State when combined are included. If datasets are not available at this scale, but are available at higher spatial resolution(s)¹³, they shall be provided at the available spatial resolution.

Furthermore, consistent with and without affecting the relevant access regimes as defined in Directive 2003/4/EC, the earth observation and environmental thematic category includes all "Environmental information", as defined in Article 2 of Directive 2003/4/EC of the European Parliament and of the Council¹⁴, and the environmental information listed in Directive 2003/4/EC, Article 7 "Dissemination of environmental information".

INSPIRE DATA THEMES (as defined in Annexes to Directive 2007/2/EC)
Hydrography (I)
Protected sites (I)
Elevation (II)
Geology (II)
Land cover (II)
Orthoimagery (II)
Area management / restriction / regulation zones & reporting units (III)
Bio-geographical regions (III)
Energy Resources (III)
Environmental monitoring Facilities (III)

¹³ Spatial resolution as defined in Annex Part B Section 6.2 of Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata (OJ L 326, 4.12.2008, p. 12).

¹⁴ Directive 2003/4/EC of the European Parliament and of the Council of 28 January 2003 on public access to environmental information and repealing Council Directive 90/313/EEC (OJ L 41, 14.2.2003, p. 26).

Habitats and biotopes (III)	
Land Use (III)	
Mineral Resources (III)	
Natural risk zones (III)	
Oceanographic geograpical features (III)	
Production and industrial facilities (III)	
Sea regions (III)	
Soil (III)	
Species distribution (III)	

ENVIRONMENTAL DOMAIN	Legal acts laying down the key variables
Air	Articles 6-14 of Directive 2008/50/EC of the European Parliament and of the Council ¹⁵ ,
	Articles 7 of Directive 2004/107/EC of the European Parliament and of the Council ¹⁶
Climate	Articles 18(1), 19, 26(2), 39(3) of Regulation (EU) 2018/1999 of the European Parliament and of the Council 17,
	Article 26 of Regulation (EC) 1005/2009 of the European Parliament and of the Council ¹⁸
Emissions	Article 24, 32, 55, 72 of Directive 2010/75/EU,
	Article 21 of Directive 2012/18/EU of the European Parliament and of the Council ¹⁹ ,
	Article 10 of Council Directive 91/676/EEC ²⁰ ,

¹⁵ Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ L 152, 11.6.2008, p. 1).

¹⁶ Directive 2004/107/EC of the European Parliament and of the Council of 15 December 2004 relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air (OJ L 23, 26.1.2005, p. 3).

¹⁷ Regulation (EU) 2018/1999 of the European Parliament and of the Council of 11 December 2018 on the Governance of the Energy Union and Climate Action, amending Regulations (EC) No 663/2009 and (EC) No 715/2009 of the European Parliament and of the Council, Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU of the European Parliament and of the Council, Council Directives 2009/119/EC and (EU) 2015/652 and repealing Regulation (EU) No 525/2013 of the European Parliament and of the Council (OJ L 328, 21.12.2018, p. 1).

¹⁸ Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer (OJ L 286, 31.10.2009, p. 1).

¹⁹ Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC (OJ L 197, 24.7.2012, p. 1).

²⁰ Council Directive 91/676/EEC of 12 December 1991 concerning the protection of waters against pollution caused by nitrates from agricultural sources (OJ L 375, 31.12.1991, p. 1).

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	Article 7 of Regulation (EC) No 166/2006 of the European Parliament and Council ²¹ , Article 18 of Regulation (EU) 2017/852 of the European Parliament and of the Council ²² ,
	Article 10 of Directive (EU) 2016/2284 of the European Parliament and of the Council ²³
Nature preservation and biodiversity	Articles 4, 9, 12 of Directive 2009/147/EC of the European Parliament and of the Council ²⁴ ,
	Articles 4, 6, 16, 17 of Council Directive 92/43/EEC ²⁵ , Article 24 of Regulation (EU) 1143/2014 of the European Parliament and of the Council ²⁶ ,
NT. 1	Data for the nationally designated protected areas inventory – (CDDA), National biogeographical regions
Noise	Articles 4, 5, 7, 10 of Directive 2002/49/EC of the European Parliament and of the Council ²⁷
Waste	Article 15 of Council Directive 1999/31/EC ²⁸ ,
	Article 18 of Directive 2006/21/EC of the European Parliament and of the Council ²⁹ ,
	Article 10 of Council Directive 86/278/EEC ³⁰ ,

²¹ Regulation (EC) No 166/2006 of the European Parliament and of the Council of 18 January 2006 concerning the establishment of a European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC (OJ L 33, 4.2.2006, p. 1).

²² Regulation (EU) 2017/852 of the European Parliament and of the Council of 17 May 2017 on mercury, and repealing Regulation (EC) No 1102/2008 (OJ L 137, 24.5.2017, p. 1).

²³ Directive (EU) 2016/2284 of the European Parliament and of the Council of 14 December 2016 on the reduction of national emissions of certain atmospheric pollutants, amending Directive 2003/35/EC and repealing Directive 2001/81/EC (OJ L 344, 17.12.2016, p.1).

²⁴ Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds (OJ L 20, 26.1.2010, p. 7).

²⁵ Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (OJ L 206, 22.7.1992, p. 7).

²⁶ Regulation (EU) No 1143/2014 of the European Parliament and of the Council of 22 October 2014 on the prevention and management of the introduction and spread of invasive alien species (OJ L 317, 4.11.2014, p. 35).

²⁷ Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise (OJ L 189, 18.7.2002, p. 12).

¹²⁸ Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste (OJ L 182, 16.7.1999, p. 1).

²⁹ Directive 2006/21/EC of the European Parliament and of the Council of 15 March 2006 on the management of waste from extractive industries and amending Directive 2004/35/EC (OJ L 102, 11.4.2006, p. 15).

³⁰ Council Directive 86/278/EEC of 12 June 1986 on the protection of the environment, and in particular of the soil, when sewage sludge is used in agriculture (OJ L 181, 4.7.1986, p. 6).

	Articles 15-17 of Council Directive 91/271/EEC ³¹ , Article 13 of Regulation (EU) 2019/1021/EU of the European Parliament and of the Council ³² ,
	Article 15 of Commission Recommendation 2014/70/EU ³³
Water	Articles 15-17 of Directive 91/271/EEC,
	Article 13 of Directive 2006/7/EC of the European Parliament and of the Council ³⁴ ,
	Articles 5, 8, 11, 13, 15 of Directive 2000/60/EC,
	Articles 3-6 of Directive 2006/118/EC of the European Parliament and of the Council ³⁵ ,
	Article 5 of Directive 2008/105/EC of the European Parliament and of the Council ³⁶ ,
	Articles 17, 18 of Directive 2020/2184/EU of the European Parliament and of the Council ³⁷ ,
	Articles 3-8, 10 of Directive 2007/60/EC of the European Parliament and of the Council ³⁸ ,

³¹ Council Directive 91/271/EEC of 21 May 1991 concerning urban waste-water treatment (OJ L 135, 30.5.1991, p. 40).

³² Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (OJ L 169, 25.6.2019, p. 45).

³³ Commission Recommendation of 22 January 2014 on minimum principles for the exploration and production of hydrocarbons (such as shale gas) using high-volume hydraulic fracturing (OJ L 39, 8.2.2014, p. 72).

³⁴ Directive 2006/7/EC of the European Parliament and of the Council of 15 February 2006 concerning the management of bathing water quality and repealing Directive 76/160/EEC (OJ L 64, 4.3.2006, p. 37).

³⁵ Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006 on the protection of groundwater against pollution and deterioration (OJ L 372, 27.12.2006, p. 19).

³⁶ Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008 on environmental quality standards in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council (OJ L 348, 24.12.2008, p. 84).

³⁷ Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (OJ L 435, 23.12.2020, p. 1).

³⁸ Directive 2007/60/EC of the European Parliament and of the Council of 23 October 2007 on the assessment and management of flood risks (OJ L 288, 6.11.2007, p. 27).

	Articles 6-11, 13, 14, 17-19, 26, 27 of Directive 2008/56/EC of the European Parliament and of the Council ³⁹
Horizontal legislation	Articles 15, 18 of Directive 2004/35/EC of the European Parliament and of the Council ⁴⁰ ,
	Article 8 of Regulation (EU) 2020/852 of the European Parliament and of the Council ⁴¹

2.2. Arrangements for the publication and re-use

- a) The datasets shall be made available for re-use:
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in a publicly documented, Union or internationally recognised open, machine-readable format;
 - through APIs⁴² and bulk download (for historical versions of datasets: APIs or bulk download, as feasible and appropriate).
- b) The metadata describing the data within the scope of the INSPIRE data themes set shall contain at least the metadata elements set out in the Annex to Regulation (EC) No 1205/2008.
- c) The datasets shall be described in a complete and publicly available online documentation describing at least the data structure and semantics.
- d) The datasets shall use Union or internationally recognised and publicly documented controlled vocabularies and taxonomies, where available.

³⁹ Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008 establishing a framework for community action in the field of marine environmental policy (Marine Strategy Framework Directive) (OJ L 164, 25.6.2008, p. 19).

⁴⁰ Directive 2004/35/CE of the European Parliament and of the Council of 21 April 2004 on environmental liability with regard to the prevention and remedying of environmental damage (OJ L 143, 30.4.2004, p. 56).

⁴¹ Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088 (OJ L 198, 22.6.2020, p. 13).

⁴² Such as direct access download services based on Directive 2007/2/EC.

3. Meteorological

3.1. Datasets in scope

The meteorological thematic category includes datasets on observations data measured by weather stations, validated observations (climate data), weather alerts, radar data and numerical weather prediction (NWP) model data with the granularity and key attributes listed in the table below.

Datasets	Observations data measured by weather stations	Climate data: validated obser- vations	Weather alerts	Radar data	NWP model data
Granularity	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
Key attributes	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

3.2. Arrangements for the publication and re-use

- a) The datasets shall be made available for re-use:
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in any of the formats specified in the table below or another Union or internationally recognised open, machine-readable format;
 - through APIs and bulk download except for the dataset 'NWP model data' which shall be made available through APIs only;
 - pursuant to the update frequency and timeliness specified in the table below.

- b) The metadata describing the data set shall be complete and available on the web in an open and widely used machine-readable format.
- c) The datasets shall be described in a complete and publicly available online documentation describing at least the data structure and semantics⁴³.

Datasets	Observations data measured by the weather stations	Climate data: validated obser- vations	Weather alerts	Radar data	NWP model data
Format	BUFR, NetCDF, ASCII,CSV, JSON	NetCDF, JSON, CSV	XML (Cap or RSS / Atom), JSON	HDF5, BUFR	GRIB (or NetCDF)
Update frequency and timeliness	Every 5-10 minutes in real time for automated stations, hourly unvalidated for all stations, for the last 24 hrs	•	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.

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For instance the INSPIRE Data Specification on Atmospheric Conditions and Meteorological Geographical Features (https://inspire.ec.europa.eu/documents/Data_Specifications/INSPIRE_DataSpecification_AC-MF_v2.0.pdf) provides approaches and use cases for representing and documenting the meteorological datasets.

4. Statistics

4.1. Datasets in scope

The statistics thematic category includes statistical datasets except microdata related to reporting obligations as defined in the legal acts listed in the table below.

In order to identify in a complete manner the relevant legal references in the legal acts, for some of the datasets it is necessary to refer to concepts from a number of provisions and Annexes, as presented below in Tables 1-18. For those datasets, the definitions from the legal acts referred to in the table below apply. The legal acts are also applicable where it is indicated so in the footnotes to Tables 1-18.

Time series shall begin no later than at the date of application of the respective legal act listed in the table below.

Datasets	Legal acts laying down the key variables of the datasets in scope and their breakdowns
Industrial production	Regulation (EU) 2019/2152 of the European Parliament and of the Council ⁴⁴
	Table 26 of the Annex to Commission Implementing Regulation (EU) 2020/1197 ⁴⁵
Industrial producer price index	Table 5 of Annex I to Implementing Regulation (EU) 2020/1197
breakdowns by activity	
Volume of sales by activity	Table 7 of Annex I of Implementing Regulation (EU) 2020/1197
EU International trade in goods	Regulation (EU) 2019/2152
statistics – exports and imports	
breakdowns simultaneously by partner,	
product and flow	
Tourism flows in Europe (see Table 1	Section 2 of Annex I to Regulation (EU) No 692/2011 of the European Parliament and of the Council ⁴⁶
and 2 below for variables in scope)	

⁴⁴ Regulation (EU) 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing 10 legal acts in the field of business statistics (OJ L 327, 17.12.2019, p. 1).

⁴⁵ Commission Implementing Regulation (EU) 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council on European business statistics repealing 10 legal acts in the field of business statistics (OJ L 271, 18.8.2020, p. 1).

⁴⁶ Regulation (EU) No 692/2011 of the European Parliament and of the Council of 6 July 2011 concerning European statistics on tourism and repealing Council Directive 95/57/EC (OJ L 192, 22.7.2011, p. 17).

Datasets	Legal acts laying down the key variables of the datasets in scope and their breakdowns
	Article 1 of Commission Delegated Regulation (EU) 2019/1681 ⁴⁷
Harmonised Indices of consumer prices	Article 3 of Regulation (EU) 2016/792 of the European Parliament and of the Council ⁴⁸
National accounts – GDP main	Regulation (EU) No 549/2013 of the European Parliament and of the Council ⁴⁹ , in particular Annex B
aggregates	
(see Tables 6-7 below for variables in	
scope)	
National accounts – key indicators on	Regulation (EU) No 549/2013, in particular Annex B
corporations	
(see Table 8 below for variables in	
scope)	
National accounts – key indicators on	Regulation (EU) No 549/2013, in particular Annex B
households (see Table 9 below for	
variables in scope)	
Government expenditure and revenue	Regulation (EU) No 549/2013, in particular Annex B
(see Table 10 below for variables in	
scope)	50
Consolidated government gross debt	Chapter I of Council Regulation (EC) No 479/2009 ⁵⁰
(see Table 11 and 12 below for variables	
in scope)	D. 1 .: (TV) N. 540/2012
	Regulation (EU) No 549/2013
Environmental accounts and statistics	Annex I to Regulation (EU) No 691/2011 of the European Parliament and of the Council ⁵¹
	Annex I and II to Regulation (EC) No 2150/2002 of the European Parliament and of the Council ⁵²
Population, Fertility, Mortality	Regulation (EU) No 1260/2013 of the European Parliament and of the Council ⁵³

⁴⁷ Commission Delegated Regulation (EU) 2019/1681 of 1 August 2019 amending Regulation (EU) No 692/2011 of the European Parliament and of the Council concerning European statistics on tourism, as regards the transmission deadlines and adaptation of Annexes I and II (OJ L 258, 9.10.2019, p. 1).

⁴⁸ Regulation (EU) 2016/792 of the European Parliament and of the Council of 11 May 2016 on harmonised indices of consumer prices and the house price index, and repealing Council Regulation (EC) No 2494/95 (OJ L 135, 24.5.2016, p. 11).

⁴⁹ Regulation (EU) No 549/2013 of the European Parliament and of the Council of 21 May 2013 on the European system of national and regional accounts in the European Union (OJ L 174, 26.6.2013, p. 1).

⁵⁰ Council Regulation (EC) No 479/2009 of 25 May 2009 on the application of the Protocol on the excessive deficit procedure annexed to the Treaty establishing the European Community (Codified version) (OJ L 145, 10.6.2009, p. 1).

⁵¹ Regulation (EU) No 691/2011 of the European Parliament and of the Council of 6 July 2011 on European environmental economic accounts (OJ L 192, 22.7.2011, p. 1).

⁵² Regulation (EC) No 2150/2002 of the European Parliament and of the Council of 25 November 2002 on waste statistics (OJ L 332, 9.12.2002, p. 1).

⁵³ Regulation (EU) No 1260/2013 of the European Parliament and of the Council of 20 November 2013 on European demographic statistics (OJ L 330, 10.12.2013, p. 39).

Datasets	Legal acts laying down the key variables of the datasets in scope and their breakdowns
	Annex II to Commission Implementing Regulation (EU) No 205/2014 ⁵⁴
	Regulation (EC) No 862/2007 of the European Parliament and of the Council ⁵⁵
	Commission Regulation (EU) No 351/2010 ⁵⁶
	Regulation (EU) No 1260/2013
	Implementing Regulation (EU) No 205/2014
	Regulation (EU) No 2020/851 of the European Parliament and of the Council ⁵⁷
Population (see Table 3 below for	Regulation (EU) No 1260/2013
variables in scope)	Implementing Regulation (EU) No 205/2014
_ `	Regulation (EC) No 862/2007
	Regulation (EU) No 351/2010
Fertility (see Table 4 below for	Regulation (EU) No 1260/2013
variables in scope)	Implementing Regulation (EU) No 205/2014
Mortality (see Table 5 below for	Regulation (EU) No 1260/2013
variables in scope)	Implementing Regulation (EU) No 205/2014
	Commission Regulation (EU) No 328/2011 ⁵⁸
	Commission Regulation (EU) No 349/2011 ⁵⁹
	Council Decision 93/704/EC ⁶⁰
Current healthcare expenditure	Annex II to Regulation (EC) No 1338/2008

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⁵⁴ Commission Implementing Regulation (EU) No 205/2014 of 4 March 2014 laying down uniformed conditions for the implementation of Regulation (EU) No 1260/2013 of the European Parliament and the Council on European demographic statistics, as regards breakdowns of data, deadlines and data revisions (OJ L 65, 5.3.2014, p. 10).

⁵⁵ Regulation (EC) No 862/2007 of the European Parliament and of the Council of 11 July 2007 on Community statistics on migration and international protection and repealing Council Regulation (EEC) No 311/76 on the compilation of statistics on foreign workers (OJ L 199, 31.7.2007, p. 23).

⁵⁶ Commission Regulation (EU) No 351/2010 of 23 April 2010 implementing Regulation (EC) No 862/2007 of the European Parliament and of the Council on Community statistics on migration and international protection as regards the definitions of the categories of the groups of country of birth, groups of country of previous usual residence, groups of country of next usual residence and groups of citizenship (OJ L 104, 24.4.2010, p. 37).

⁵⁷ Regulation (EU) No 2020/851 of the European Parliament and of the Council of 18 June 2020 amending Regulation (EC) No 862/2007 on Community statistics on migration and international protections (OJ L 198/1, 22.6.2020, p. 1).

⁵⁸ Commission Regulation (EU) No 328/2011 of 5 April 2011 implementing Regulation (EC) No 1338/2008 of the European Parliament and of the Council on Community statistics on public health and health and safety at work, as regards statistics on causes of death (OJ L 90, 6.4.2011, p. 22).

⁵⁹ Commission Regulation (EU) No 349/2011 of 11 April 2011 implementing Regulation (EC) No 1338/2008 of the European Parliament and of the Council on Community statistics on public health and health and safety at work, as regards statistics on accidents at work (OJ L 97, 12.4.2011, p. 3).

⁶⁰ 93/704/EC: Council Decision⁶⁰ of 30 November 1993 on the creation of a Community database on road accidents (OJ L 329, 30.12.1993, p. 63).

Datasets	Legal acts laying down the key variables of the datasets in scope and their breakdowns					
	Annex II to Commission Regulation (EU) 2015/359 ⁶¹					
Poverty (see Table 13 below for	Regulation (EU) 2019/1700 of the European Parliament and of the Council ⁶²					
variables in scope)	Commission Implementing Regulation (EU) 2019/2180 ⁶³					
	Commission Implementing Regulation (EU) 2019/2181 ⁶⁴					
	Commission Implementing Regulation (EU) 2019/2242 ⁶⁵					
Inequality (see Table 14 below for	Regulation (EU) 2019/1700					
variables in scope)	Implementing Regulation (EU) 2019/2180					
	Implementing Regulation (EU) 2019/2181					
	Implementing Regulation (EU) 2019/2242					
Employment (see Tables 15-16 below	Regulation (EU) 2019/1700					
for variables in scope)	Commission Implementing Regulation (EU) 2019/2240 ⁶⁶					
Unemployment (see Table 17 below for	Regulation (EU) 2019/1700					
variables in scope)	Implementing Regulation (EU) 2019/2240					
Potential labour force (see Table 18	Regulation (EU) 2019/1700					
below for variables in scope)	Implementing Regulation (EU) 2019/2240					

⁶¹ Commission Regulation (EU) 2015/359⁶¹ of 4 March 2015 implementing Regulation (EC) No 1338/2008 of the European Parliament and of the Council as regards statistics on healthcare expenditure and financing (OJ L 62, 6.3.2015, p. 6).

⁶² Regulation (EU) 2019/1700 of the European Parliament and of the Council of 10 October 2019 establishing a common framework for European statistics relating to persons and households, based on data at individual level collected from samples, amending Regulations (EC) No 808/2004, (EC) No 452/2008 and (EC) No 1338/2008 of the European Parliament and of the Council, and repealing Regulation (EC) No 1177/2003 of the European Parliament and of the Council Regulation (EC) No 577/98 (OJ L 261I, 14.10.2019, p. 1).

⁶³ Commission Implementing Regulation (EU) 2019/2180 of 16 December 2019 specifying the detailed arrangements and content for the quality reports pursuant to Regulation (EU) 2019/1700 of the European Parliament and of the Council (OJ L 330, 20.12.2019, p. 8).

⁶⁴ Commission Implementing Regulation (EU) 2019/2181 of 16 December 2019 specifying technical characteristics as regards items common to several datasets pursuant to Regulation (EU) 2019/1700 of the European Parliament and of the Council (OJ L 330, 20.12.2019, p. 16).

⁶⁵ Commission Implementing Regulation (EU) 2019/2242 of 16 December 2019 specifying the technical items of data sets, establishing the technical formats and specifying the detailed arrangements and content of the quality reports on the organisation of a sample survey in the income and living conditions domain pursuant to Regulation (EU) 2019/1700 of the European Parliament and of the Council (OJ L 336, 30.12.2019, p. 133).

⁶⁶ Commission Implementing Regulation (EU) 2019/2240 of 16 December 2019 specifying the technical items of the data set, establishing the technical formats for transmission of information and specifying the detailed arrangements and content of the quality reports on the organisation of a sample survey in the labour force domain in accordance with Regulation (EU) 2019/1700 of the European Parliament and of the Council (OJ L 336, 30.12.2019, p. 59).

Table 1. Specification for the <u>yearly</u> Tourism flows in Europe high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

<u>Legend for breakdowns</u>: \bullet = mandatory, \bullet = required for Member States where a sufficiently large sample size exists to allow for precise estimates, as set out in the relevant Regulation, \Downarrow = NUTS 2 breakdowns are to be offered as a consequence of NUTS 3 being offered

Break	Nights spent accommodat establishmer Supply side in on domestic of tourism	t ion nts nformation	Participation in personal purpo Share of the pop that make touris overnight stays furpose during a reference year	se ulation (15+) m trips with for personal	Demand side information on domestic and outbound tourism trips	by EU residents Demand side information on domestic and outbound tourism	Tourism expenditure made by EU residents Demand side information on domestic and outbound tourism expenditure	
Country of origin	Residentnon-resident	•	•					
Duration of the trip	- Long - Short			•		● 67	63	● 63
Destination country	DomesticOutbound				•	● 63	● 63	● 63
Means of transport	7 categories ⁶⁸					● 63	63	● 63
Means of accommodation	7 categories ⁶⁴					● 63	63	63
Booking modalities ⁶⁹	Various attributes ⁶⁴					63,65	63,65	63,65
Geographical	NUTS 2 region	₩	•	•				
	NUTS 3 region •							
	Coastal/non-coastal areas		•					

⁶⁷ Univariate and multivariate statistics are only required for combinations which have a sufficiently large sample size to allow for precise estimates to be presented.

⁶⁸ See Annex II to Regulation (EU) No 692/2011 of the European Parliament and of the Council of 6 July 2011 concerning European statistics on tourism and Commission Delegated Regulation (EU) 2019/1681 of 1 August 2019 amending Regulation (EU) No 692/2011 of the European Parliament and of the Council of 6 July 2011 concerning European statistics on tourism, as regards the transmission deadlines and adaptation of Annexes I and II.

⁶⁹ Booking modalities is a triennial module – this breakdown is only required on a triennial basis (not on an annual basis).

Degree of urbanisation (3 categories)		•			
City (selected cities only) ⁷⁰	•				

Table 2. Specification for the <u>monthly</u> **Tourism flows in Europe** high-value dataset

Key variables	Nights spent at tourist accommodation establishments
Breakdowns	Supply side information on domestic and inbound tourism
Country of origin - Resident - non-resident	•
Geographical NUTS 2	•

⁷⁰ City-specific statistics are only required for specific cities.

Table 3. Specification for the <u>yearly</u> population <i>high-value dataset <u>Note</u>: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

<u>Legend for breakdowns</u>: ● = mandatory, ● = required for Member States that meet conditions set out in the relevant Regulation; ○ = voluntary

Breakdowns	Key variables reakdowns		-	atio nua	n on ry	1	Median age	Old age dependency ratio Proportion of people 65+ to people 20-64	
Sex		•	•	•	•	•	•		
Age		•	•	•	•	•			
Education attainment level	ISCED 2011 ⁷¹					0			
Marital status					0				
Citizenship			•						
Country of birth				•					
Human development index	HDI is a regrouping of country of birth and of country of citizenship		•	•					
Region	NUTS 3	•					•	•	

⁷¹ International Standard Classification of Education.

Table 4. Specification for the <u>yearly fertility</u> high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Legend for breakdowns: ● = mandatory, ↓ = NUTS 2 breakdowns are offered as a consequence of NUTS 3 being offered

		Crude birth rate	Fertility rates by mother's age	Total fertility rate
Breakdowns	Key variables	The ratio of the number of live births during the year to the average population in that year. The value is expressed per 1000 population.	The ratio of the number of live births to mothers of age x to the average female population of age x.	Mean number of children that would be born alive to a woman during her lifetime if she were to pass through and survive her childbearing years conforming to the fertility rates by age of a given year.
Age			•	
Region	NUTS 2		•	₩
	NUTS 3	•		•

Table 5. Specification for the <u>yearly</u> mortality high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Legend for breakdowns: ●=mandatory, ↓ = NUTS 2 breakdowns to be offered as a consequence of NUTS 3 being offered

		Crude death rate	Infant mortality rate	Life expectancy
Key variables Breakdowns		The ratio of the number of deaths during the year to the average population in that year. The value is expressed per 1000 population.	The ratio of the number of deaths of children under one year of age during the year to the number of live births in that year. The value is expressed per 1000 live births.	
Age				•
Sex				•
Region NUTS 2		\	•	•
-	NUTS 3	•		

Table 6. Specification for the <u>yearly</u> National accounts – GDP main aggregates high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved. Legend for breakdowns: \bullet = mandatory, \Downarrow = NUTS 2 breakdowns are to be offered as a consequence of NUTS 3 being offered

ŀ	Key variables	nraduct at	Gross value added		Final consumption expenditure of households			Employment .		Gross national income	Net lending/net borrowing of the total economy		
	\70		Variable B.1g ^{69;70}		Variable P.31_S.14 ^{69;70}	Varia	ble P.	51g ^{69;70}	Variable D.1 ^{69;70}	Variable EN	MP ^{69;70}	Variable B.5g_S.1 ⁶⁹	Variable B.9_S.1 ⁶⁹
Breakdown	S V ²	Current prices and volumes, derived growth rates and per capita	Current prices	Volumes	Current prices and volumes	Cur pri		Volumes	Current prices	Persons	Hours worked	Current prices, levels and per capita.	Balancing item
Industry	NACE Rev. 2 ⁷⁵		•	•	(No breakdowns)	•	•	•	•	•	•	(No breakdowns)	(No breakdowns)
Asset type	AN_F6				oreanes was)	•		•	_				, , , , , , , , , , , , , , , , , , , ,
Region	NUTS 2	↓ 76	₩			•			•	₩	•		
	NUTS 3	● 72	•							•			

⁷² Breakdowns as required by Regulation (EU) No 549/2013 on a mandatory basis.

⁷³ Concept, level of detail, frequency, timeliness and time series as defined in Regulation (EU) No 549/2013.

⁷⁴ Frequency and seasonal adjustment as prescribed in Regulation (EU) No 549/2013.

⁷⁵ Up to NACE A*64 (if no regional breakdown) – NACE A*10 for NUTS 2 – NACE A 6 for NUTS 3.

⁷⁶ For B.1*g, regional breakdowns are not required for *volume* or *derived growth rates*.

Table 7. Specification for the quarterly National accounts – GDP main aggregates high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

	Key variables	Gross domestic product at market prices	Gross value added	leynenalfilire of	l. •	Compensation of employees	Employment
Breakdowns ⁶				P.31_3.14**,**		Variable D.1 ^{69;70}	Variable EMP ^{69;70}
Di cuita vi iis		volumes, derived growth rates	Current prices and volumes	Current prices and volumes	Current prices and volumes	Current prices	Persons and hours worked
Industry	NACE Rev. 2 ⁷⁷	(No breakdowns)	•	(No breakdowns)		•	•
Asset type	AN_F6				•		

⁷⁷ NACE A*10

Table 8. Specification for the <u>yearly</u> National accounts – key indicators on corporations high-value dataset

		formation of non-financial corporations	Gross operating surplus and mixed income of non-financial corporations	Total financial sector assets		Net lending/net borrowing of non-financial and financial corporations					
ľ	Key variables	Variable P.51g_S.11 ⁷⁸	Variable 9B.2g & B3g)_S.11 ⁷⁴	Variable F.A_S.12 ⁷⁴		Variables B.9_S.11 ⁷⁴ and B.9_S.12 ⁷⁴					
		Current prices	Current prices	Current prices, non-consolidated	Current prices, non-consolidated	Balancing item					
I	Breakdowns	(No breakdowns for this high-value dataset)									

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⁷⁸ Concept, level of detail, frequency, timeliness and time series as defined in Regulation (EU) No 549/2013.

Table 9. Specification for the <u>yearly</u> National accounts – key indicators on households high-value dataset

	;	and net	of nouseholds – gross		Savings of households, gross	Total households sector assets	Total households sector liabilities	Net lending/net borrowing of households		
Key v	ariables	Variables B.6g_S.14	⁷⁹ (gross) and	Variable	Variable B.8g_S.14 ⁷⁵	Variable F.A_S.14 ⁷⁵	Variable F.L_S14 ⁷⁵	Variable B.9_S.14 ⁷⁵		
		B.6n_S.14 ⁷⁵ (net)		1.51g_5.14	· mimere Breg_sir ·					
Breakdowns		Current prices, deriv terms per capita	red in per-capita and real	Current prices	it iirrent nrices	_ ·	*	Balancing item. Current prices.		
		Gross disposable income	Net disposable income							
Region	NUTS 2	(No breakdowns)	•	(No breakdowns)						

_

⁷⁹ Concept, level of detail, frequency, timeliness and time series as defined in Regulation (EU) No 549/2013.

Table 10. Specification for the <u>yearly</u> Government expenditure and revenue high-value dataset

D 11	Key variables	Total general government	Total expenditure	Net lending/ net borrowing of general
Breakdow	ns	revenue	_	government (B.9)
Dimension	Categories ⁸⁰	Defined in Regulation (EU) No 549/2013, Annex A, 8.100 and Chapter 20 by reference to a list of categories	Defined in Regulation (EU) No 549/2013, Annex A, 8.100 and Chapter 20 by reference to a list of categories	Balancing item of government revenue and expenditure
Revenue category	 Market output Output for own final use Payments for non-market output Taxes on production and imports Other subsidies on production Receivable property income Current taxes on income, wealth, etc., Net social contributions Other current transfers and capital transfers 	•	to a usi of categories	
Expenditure category	 Intermediate consumption Gross capital formation Compensation of employees Other taxes on production Subsidies Payable property income Current taxes on income, wealth, etc. Social benefits other than social transfers in kind Social transfers in kind - purchased market production Other current transfers Adjustments for the change in pension entitlements Capital transfers and acquisitions less disposals of non-financial non-produced assets 		•	(No breakdowns for this key variable)

⁸⁰ As defined in Regulation (EU) No 549/2013, Annex A, 8.100 and Chapter 20.

Table 11. Specification for the <u>yearly</u> Consolidated government gross debt high-value dataset

	Key variable	Government gross debt
D	1	Government debt is defined as the total consolidated
Break		gross debt at nominal value in the following categories
Dimension	Categories ⁸¹	of government liabilities (as defined in ESA 2010):
		currency and deposits (AF.2), debt securities (AF.3) and
		loans (AF.4).
	 Currency and deposits 	
Government liability	(AF.2)	
category	– Debt securities (AF.3)	
	– Loans (AF.4)	

Table 12. Specification for the *quarterly* Consolidated government gross debt high-value dataset

	Key variable	Government gross debt
Donale	1	Government debt is defined as the total consolidated
Break	down	gross debt at nominal value in the following categories
Dimension	Categories ⁷⁷	of government liabilities (as defined in ESA 2010):
	outogoines	currency and deposits (AF.2), debt securities (AF.3) and
		loans (AF.4).
	 Currency and deposits 	
Government liability	(AF.2)	
category	– Debt securities (AF.3)	•
	– Loans (AF.4)	

⁸¹ As defined in Regulation (EU) No 549/2013.

Table 13. Specification for the <u>yearly</u> **poverty rate** high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Legend for breakdowns: ● = mandatory, ○ = required for Member States that meet conditions set out in the relevant Regulation

		soc				of po	overty or te				f-pov			е	Severe social (dep	riva	tion	rate	e	Mate depr	ivat	tion	rate	e		hou wo	ople lasehork interest	lds w tensit	ith v		low
Breakdowns		po soc hor	verty cial c	or depr	in se ivati	evere ion o	le at risk of material an or living in a o low work	liv d wh dis the equ	ing i ich e posc in 60 uival	n a equi able 0% d	house ivalis	ehol ed me i med ona	d s lov dian	ver	living i cannot of 13 it be desi necessa adequa	n a affa tems irab ary	hous ord of con le or to le	seho at le iside r eve	old th ast 7 ered en	out out	Perc risk o mate depr hous work	of po erial ivati ehol	over and ion o	ty of l soc or li tith v	r in s cial ving	evere in a	livi who won tha pot	ng in ere th rking n 20 ential	a how e men age v % of i	iseho nber vorke their ng th	old rs of ed les total	5 <i>S</i>
Sex	Male/female	•						•							•						•						•					
Age	0-17 18-64 64+	•						•							•						•						•					
Education attainment ISCED level 2011	 Less than primary (level 0) Primary and lower secondary education (levels 1-2); Upper secondary and post-secondary non-tertiary education (levels 3 and 4); Tertiary education (levels 5-8) 		•						•						•							•						•				
Citizenship	National/EU/Non EU			•						•						•							•						•			
Country of birth	National/EU/Non EU				•						•						•						-	•					•			
Most frequent activity status	 Employed persons Employees Employed persons except employees Not employed persons Unemployed persons Retired persons Other inactive persons 					•						•						•							•					•		
Income quintile	1,2,3,4,5						•						•						•						•)					•	
NUTS 2							0							0						0						0						0

Table 14. Specification for the <u>yearly</u> inequality rate high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Legend for breakdowns: ● = mandatory, ○ = required for Member States where this is feasible as set out in the relevant Regulation

			tile share ratio 0/S20	Gini coefficient of equivalised disposable income
Breakdowns	Key variables	The ratio of total received by the population with income (top quareceived by the population with income (lowest	20 % of the a the highest intile) to that 20 % of the a the lowest	This variable measures the extent to which the distribution of equivalised disposable income after social transfers deviates from a perfectly equal distribution. It is a summary measure of the cumulative share of equivalised income accounted for by the cumulative percentages of the number of individuals. Its value ranges from 0 (complete equality) to 100 (complete inequality).
Sex	Male / female	•		
Age	Less than 65 / More than 65	•		(No breakdowns available for this key variable)
Region	NUTS 2		0	

Table 15. Specification for the <u>yearly</u> employment high-value dataset Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Breakdowns		Eı	nployme	nt rate of	people a	64	Percentage of part-time work of people aged 20 to 64				
Sex		Male/female	•	•		•			•	•	
Age		20-24 years, 25-29 years, 30-34 years,, 55-64 years	•		•		•				
		20-24 years, 25-54 years, 55-64 years							•		•
Education attainment level	ISCED 2011	 Less than primary (level 0) Primary and lower secondary education (levels 1-2); Upper secondary and post-secondary non-tertiary education (levels 3 and 4); Tertiary education (levels 5-8) 		•	•			•		•	•
Region	NUTS 2	•				•	•	•			

Table 16. Specification for the *quarterly* employment high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Breakdowns		Key variables	Employme	ent rate of people a	aged 20 to 64
Sex		Male/female	•	•	
Age		20-24 years, 25-29 years, 30-34 years,, 55-64 years	•		•
Education attainment level	ISCED 2011	 Less than primary (level 0) Primary and lower secondary education (levels 1-2); Upper secondary and post-secondary non-tertiary education (levels 3 and 4); Tertiary education (levels 5-8) 		•	•

Table 17. Specification for the <u>yearly</u> unemployment high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Breakdowns	Uner 15 to		nent r	ate of p	people	aged	Long term unemployment rate of people aged 15 to 74				
Sex		Male/female	•	•		•			•	•	
Age		15-24 years, 25-54 years, 55-74 years	•		•		•		•		•
Education attainment level	ISCED 2011	 Less than primary (level 0) Primary and lower secondary education (levels 1-2) Upper secondary and post-secondary non-tertiary education (levels 3 and 4) Tertiary education (levels 5-8) 		•	•			•		•	•
Region	NUTS 2	•				•	•	•			

Specification for the *quarterly* unemployment high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

Breakdowns		Key variables	Unemployn to 74	ent rate of peo	ple aged 15	Long term unemployment rate of people aged 15 to 74			
Sex		Male/female	•	•		•	•		
Age		15-24 years, 25-54 years, 55-74 years	•		•	•		•	
Education attainment level ⁸²	ISCED 2011	 Less than primary (level 0) Primary and lower secondary education (levels 1-2) Upper secondary and post-secondary non-tertiary education (levels 3 and 4) Tertiary education (levels 5-8) 		•	•		•	•	

⁸² By ISCED 2011.

Table 18. Specification for the <u>yearly</u> potential labour force high-value dataset

Note: The breakdowns simultaneously indicated in a column should be offered for the crosstabulation of all variables involved.

	Key variables	Percentage of persons aged 15 to 74 seeking work but	Percentage of persons aged 15 to 74 available to work
Breakdowns		not immediately available	but not seeking
Sex	Male/female	•	•
Age	15-24 years, 25-54 years, 55-74 years	•	•

4.2. Arrangements for the publication and re-use

- a) The datasets shall be made available for re-use:
 - as frequently as required by the corresponding legislation referred to under 4.1. (e.g. monthly, quarterly, yearly);
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in CSV, XML (SDMX), JSON or another publicly documented, Union or internationally recognised open, machine-readable format:
 - through APIs and bulk download;
- b) The metadata describing the data set shall be available as a well-developed structured file containing at least a description of the statistical data, the statistical concepts, methodologies and information on data quality.
- c) The datasets shall be described in a complete and publicly available online documentation describing at least the data structure and semantics.
- d) Datasets shall use Union or internationally recognised and publicly documented controlled vocabularies and taxonomies, where available.

5. Companies and company ownership

5.1. Datasets in scope

The companies and company ownership thematic category includes datasets containing basic company information and company documents and accounts at individual company level and with the key attributes listed in the table below.

Datasets	Basic company information: key attributes	Company documents and accounts The descriptions of the datasets and their key attributes shall be understood in accordance with Articles 4, 5, 9-19a, 24, 28-29a, 31, 35, 36, 39, 40, 43 and 48c of Directive 2013/34/EU of the European Parliament and of the Council ⁸³ and Articles 4-6 of Directive 2004/109/EC of the European Parliament and of the Council ⁸⁴ .
	 Name of the company (full version; alternative names when applicable); Company status (such as when it is closed, struck off the register, wound up, dissolved (as well as the date of these events), economically active or inactive as defined in national law); Registration date; Registered office address; Legal form; Registration number; Member State where the company is registered; Activity/activities that are the object of the company, such as the NACE code. 	 Accounting documents, which include: Financial statements (incl. the list of participating interests, subsidiary undertakings and associated undertakings, their registered office address and proportion of capital held), audit reports. Non-financial statements, management reports and other statements or reports. Annual financial reports.

⁸³ Directive 2013/34/EU of the European Parliament and of the Council of 26 June 2013 on the annual financial statements, consolidated financial statements and related reports of certain types of undertakings, amending Directive 2006/43/EC of the European Parliament and of the Council and repealing Council Directives 78/660/EEC and 83/349/EEC (OJ L 182, 29.6.2013, p. 19).

⁸⁴ Directive 2004/109/EC of the European Parliament and of the Council of 15 December 2004 on the harmonisation of transparency requirements in relation to information about issuers whose securities are admitted to trading on a regulated market and amending Directive 2001/34/EC (OJ L 390, 31.12.2004, p. 38).

5.2. Arrangements for the publication and re-use

- a) The datasets shall be made available for re-use
 - without undue delay after the latest update;
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence, with additional conditions concerning the re-use of personal data where relevant;
 - in a Union or internationally recognised open, machine-readable format (XHTML for documents in the scope of the Commission Delegated Regulation (EU) 2018/815⁸⁵; other formats if and where prescribed by applicable Union law), with complete metadata (for documents in the scope of Commission Delegated Regulation (EU) 2016/1437⁸⁶, the metadata specified in that Regulation, where applicable; for other documents, the metadata prescribed by applicable EU law, if any); machine-readability shall not be imposed to data that are maintained in formats that are not machine readable (e.g. scanned company documents and accounts) or to unstructured/non-machine readable data fields included as part of machine readable documents;
 - through APIs and bulk download;
 - at individual company level.
- b) The datasets shall be described in a complete and publicly available online documentation describing at least the data structure and semantics.
- c) The datasets shall use Union or internationally recognised and publicly documented controlled vocabularies and taxonomies, where available, such as the Core Business Vocabulary⁸⁷.

⁸⁵ Commission Delegated Regulation (EU) 2018/815 of 17 December 2018 supplementing Directive 2004/109/EC of the European Parliament and of the Council with regard to regulatory technical standards on the specification of a single electronic reporting format (OJ L 143, 29.5.2019, p. 1).

⁸⁶ Commission Delegated Regulation (EU) 2016/1437 of 19 May 2016 supplementing Directive 2004/109/EC of the European Parliament and of the Council with regard to regulatory technical standards on access to regulated information at Union level (OJ L 234, 31.8.2016, p. 1).

⁸⁷ https://joinup.ec.europa.eu/collection/registered-organization-vocabulary/solution/core-business-vocabulary/release/200_

6. Mobility

6.1. Datasets in scope

The mobility thematic category includes datasets within the scope of the INSPIRE data theme 'Transport networks' as set out in Annex I to Directive 2007/2/EC, at all levels of generalisation available up to the scale of 1:5000 covering the entire Member State when combined. If datasets are not available at the scale of 1:5000, but are available at higher spatial resolution(s)⁸⁸, they shall be provided at the available spatial resolution. The datasets include as key attributes national identification code, geographical position as well as links with cross-border networks, where available.

INSPIRE DATA THEME (as defined in Annex I to Directive 2007/2/EC)

Transport networks

For those Member States to which Directive 2005/44/EC of the European Parliament and of the Council⁸⁹ applies, this category also includes the datasets in the table below; the datasets are understood as described in Directive 2005/44/EC.

Inland waterways datasets	Data type
Fairway characteristics	
Long-time obstructions in the fairway and reliability	Static data
Rates of waterway infrastructure charges	
Other physical limitations on waterways	
Regular lock and bridge operating times	
 Location and characteristics of ports and transhipment sites 	
List of navigation aids and traffic signs	
Navigation rules and recommendations	
Water depths contours in the navigation channel	
Temporary obstructions in the fairway	Dynamic data

⁸⁸ Spatial resolution as defined in Annex Part B Section 6.2 of Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata (OJ L 326, 4.12.2008, p. 12).

⁸⁹ 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 (OJ L 255, 30.9.2005, p. 152).

Present and future water levels at gauges	
 State of the rivers, canals, locks and bridges 	
 Restrictions caused by flood and ice 	
 Short term changes of lock and bridge operating times 	
Short term changes of aids to navigation	
Waterway axis with kilometres indication	
 Links to the external xml-files with operation times of restricting structures 	Inland electronic and
 Location of ports and transhipment sites 	navigational charts (Inland
 Reference data for water level gauges relevant to navigation 	ENC according to the Inland
Bank of waterway at mean water level	ECDIS Standard)
Shoreline construction	
 Contours of locks and dams 	
Boundaries of the fairway/navigation channel	
 Isolated dangers in the fairway/navigation channel under and above water 	
 Official aids-to-navigation (e.g. buoys, beacons, lights, notice marks) 	

6.2. Arrangements for the publication and re-use of transport network datasets:

- a) Transport network datasets shall be made available for re-use
 - immediately after the latest update;
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in a Union or internationally recognised open, machine-readable format;
 - through APIs⁹⁰ and bulk download;
 - in their most up-to-date version.
- b) The metadata describing transport network datasets shall contain at least the metadata elements defined in Regulation (EC) No 1205/2008.

⁹⁰ Such as direct access download services based on Directive 2007/2/EC.

- c) The datasets shall be described in a complete and publicly available online documentation describing at least the data structure and semantics.
- d) The datasets shall use Union or internationally recognised and publicly documented controlled vocabularies and taxonomies, where available.
- 6.3. Arrangements for the publication and re-use of inland waterways datasets
 - a) Inland waterways datasets shall be made available for re-use
 - under the conditions of the Creative Commons BY 4.0 licence or any equivalent or less restrictive open licence;
 - in the format defined in Directive 2005/44/EC;
 - through APIs and bulk download;
 - including the International Ship Reporting Standard ('ISRS') location code attribute;
 - in accordance with the update frequency and timeliness specified in the table below;
 - in the granularity specified in the table below.
 - b) The metadata describing inland waterways datasets shall be complete and available on the web in a Union or internationally recognised open, machine-readable format.
 - c) The documentation of inland waterways datasets shall be in accordance with Directive 2005/44/EC and implementing measures and standards based on Directive 2005/44/EC.

Datasets	Static	Dynamic/Urgent	Electronic Navigational Charts
Update frequency and timeliness	When necessary	Daily to (near) real time	Every 3 months, in case of changes to the dataset

Datasets	Static	Dynamic/Urgent	Electronic Navigational Charts
Granularity	Individual waterway kilometre or nautical mile level; waterway hectometre level where applicable		National waterway network and cross-border nodes