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Impact of 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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Introduction

20 June 2019: Recast PSI Directive published:
Open Data Directive (ODD)

17 July 2021: Transposition into national law required

21 December 2022: List of high value data sets published

Thematic categories for List of high value data sets (Annex I):

Geospatial

Earth observation and environment

Meteorological

Statistics

Companies and company ownership

Mobility



List HVD, scope

List of Specific High-Value Datasets (HVD) (Article 14):

1. The Commission shall adopt implementing acts laying down a list of specific high-value datasets belonging to the categories set out in Annex I and held by public sector bodies and public undertakings among the documents to which this Directive applies. (...)
2. The identification of specific high-value datasets pursuant to paragraph 1 shall be based on the assessment of their potential to:
 - (a) generate significant socioeconomic or environmental benefits and innovative services;
 - (b) benefit a high number of users, in particular SMEs;
 - (c) assist in generating revenues; and
 - (d) be combined with other datasets.



List HVD, Publication Arrangements

List of Specific High-Value Datasets (HVD) (Article 14):

Such specific high-value datasets shall be:

- (a) available free of charge, (...);
- (b) machine readable;
- (c) provided via APIs; and
- (d) provided as a bulk download, where relevant.

Implementing regulation:

1. (...)
2. the terms of use of the API and the quality of service criteria
3. API documentation
4. point of contact for questions and issues related to the API
5. datasets are denoted as high-value datasets in their metadata description.



Geographic Theme, scope

The geospatial thematic category includes datasets within the scope of the INSPIRE data themes Administrative units, Geographical names, (...) setting out their granularity and geographical coverage and listing some or all of the key attributes listed in the table below.



Earth Observation & Environment theme, scope

The earth observation and environmental category includes earth observation (...) datasets within the scope of the INSPIRE data themes listed (...), 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 datasets available at all generalization levels up to the level of scale 1:5000 (...) are included.

Furthermore, the earth observation and environmental thematic category includes all “Environmental information”, as defined in Article 2 of [the Public access to environmental information Directive], and the environmental information listed in (...) Article 7 “Dissemination of environmental information” [of that Directive].



Earth Observation & Environment theme, scope Comments UN-GGIM:Europe WG on Core Data

Nevertheless, the Working Group considers that the lack of selectivity of the themes for this domain retained by the annex to the regulation taints the very notion of “high value”: the datasets selected, numerous and without distinction of key attributes, should not be considered as being of equivalent value, even though their information is not all essential. In addition, the annex includes the historical datasets of this domain in the scope of high value datasets, which considerably extends their scope.

In fact, having a scope of high-value datasets too wide may have negative effects on the provision implementation, if the effort required is too great in relation to its benefits in terms of uses. By way of comparison, the implementation of the Annex 3's themes of the INSPIRE Directive has generated significant difficulties, even though the scope was limited to the accessibility of existing data. Having an equivalent or even wider scope for high-value datasets thus runs the risk of dispersing efforts.



Earth Observation & Environment theme, scope

INSPIRE:

Elevation (Annex II)

Area Management (Annex III)

Oceanographic Geographic Features (Annex III)

Datasets produced or generated in the context of the legal acts listed:

none

Environmental information in the Public access to environmental information Directive:

(a) the state of the elements of the environment, such as (...), water, (...) and natural sites including wetlands, coastal and marine areas, (...);

none, other than INSPIRE



Earth observation & Environment: Elevation

	up-to-date	historical
Bulk download	INSPIRE grid (20 m) EMODnet grid (~100 m) DCDB grid (~450 m)	EMODnet surveys (20 m)
API	INSPIRE grid (20 m) EMODnet grid (~100 m) DCDB grid (~450 m)	Deltares OpenEarth surveys (20 m) OPeNDAP? EMODnet grid (~100 m) ERDDAP?