



# INSPIRE

Infrastructure for Spatial Information in Europe

## Revision of the Data Specifications

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<b>Creator</b>	EC and EEA INSPIRE Team
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<b>Description</b>	Outcome of the written procedure on the proposed review of the Commission Regulation (EU) No 1089/2010 and its amendments on interoperability. Overview of the evidence provided by Member States for additional changes to this Regulation.
<b>actions:</b>	MIG to: <ul style="list-style-type: none"><li>• Take note of the document and the progress achieved to date;</li><li>• Discuss issues raised at the 7<sup>th</sup> meeting of the MIG;</li><li>• Agree on the next steps until June 2018.</li></ul>

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## 1. Written Procedure on the review of implementing rules

As an outcome of the discussion on the possible review of some of the implementing rules in the INSPIRE Committee it was agreed to consult the MIG in a written procedure.

Extract from the 12th Committee meeting draft Summary Record:

*"The Chair asked Member States that had not yet developed a coordinated opinion on the presented document to continue their internal consultations and inform the Commission (via the Chair) in writing of any opposition to the proposed revisions of Commission Decision 2009/442/EC and Commission Regulation (EU) No 1089/ 2010 by 15 September 2017. This written procedure will give all Member States, including the ones that were not represented in the meeting, the opportunity to prepare and share their coordinated views on the presented proposal. If Member States do not reply by the deadline, the Chair will assume their overall consent on the direction of the future work as indicated in the document (DOC3).*

*In addition, this document will be shared with the INSPIRE Maintenance and Implementation expert Group (MIG) to receive expert input from this working group. Committee Members are expected to coordinate with their MIG experts and provide their coordinated views to COM by 15 September 2017."*

Member States were invited to provide a coordinated opinion on:

- changes to the selected implementing rules in general (Commission Decision 2009/442/EC on monitoring and reporting, Commission Regulation (EU) No 1089/ 2010 on data specifications with focus on interoperability),
- the more detailed change proposals as presented at the Committee.

Furthermore Member States were also invited to continue to gather evidence for possible changes to the Data Specification Regulation. This document focusses on the possible revision of that Regulation, the possible revision of the Monitoring Decision is dealt with by another document.

## 2. Possible revision of Commission Regulation (EU) No 1089/2010 and its amendments on interoperability

As part of the written procedure, a large majority of the Member States (26) have expressed a positive opinion on the revision of the Data Specification Regulation as long as the revisions have limited impacts and focus on improvements and simplifications. See Annex I for the detailed results of the written procedure. Based on this feedback, it can be concluded that the current Implementing Rules are largely "fit-for-purpose" and only targeted and limited adaptations may be needed, in particular if they result in simplification and improvement of benefits in the implementation.

Several Member States have shared additional suggestions and evidence for revising the Interoperability Implementing Regulation in relation to Annex III datasets with the Commission Services. These additional suggestions are further discussed in (2.1) and an overview of these suggestions is listed in Annex 2.

Based on the previous discussions<sup>1</sup>, the identified amendments as part of the corrigendum are supported and should be implemented as soon as possible. In addition, the questions of regarding

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<sup>1</sup> In 2016-2017 a more targeted reflection took place focusing on the Annex III data themes in the interoperability rules. The discussion covered a wide range of issues including the possibility to use the existing flexibilities and to strengthen the supporting work for the simplification of use at technical

the consistency or reporting, the article 14 portrayal rules and the encoding rules (flattening) as well as the link to data themes that are linked to statistical data gathering have been clarified with the written consultation. It is now more clear what issues may need to be addressed and that not all issues require the amendment of the implementing rules in order to resolve them.

In summary, a large number of detailed issues (around 50, see Annex 2) has been provided during the written consultation that can be clustered as follows:

- 1) **cross-cutting issues**
  - a. issues related to Coordinate Reference Systems and grids
  - b. issues related to multiplicity/voidability
- 2) **theme-specific issues**
  - a. very specific issues/bug fixes/corrigenda (in addition to those already identified earlier)
  - b. issues related to code lists
  - c. issues related to the conceptual model for SU (statistical units), PD (population distribution) and HH (human health) which are linked to statistics
  - d. issues to ensure coherence with thematic legislation (e.g. definition of key concepts)
- 3) **general observations and issues related to Technical Guidelines.**

Given the many specific comments on code lists, a possible change could be to **remove all code list values** from the IRs and **replace them with a reference to the INSPIRE registry** instead of going through the specific issues one by one. This would have to be associated with a definition of the process for making/endorsing changes to it (e.g. involving the MIG).

Not all the issues require amendment of the current implementing rules, in particular those ones identified under point 3. Based on this first overview and clustering, further technical work of the MIG experts is necessary before a decision on revising the Implementing Rules can be presented to the Committee for an opinion.

### 3. Next steps

Based on the work done so far, further feedback is needed in order to:

- Clarify the issues concerned and the solutions that are proposed;
- Identify whether such issues can be solved without the means of revising the Implementing rules;
- Should the revision be the best option to resolve a certain issues, ascertain whether the proposed issue is of concern of most Member States and whether most Member States support the envisaged solutions?
- Establish the likely impact of the proposed changes, as much as feasible.

This requires further exchanges on expert level organised through the MIG. It is therefore proposed to organise the following dedicated sub-group meetings or workshops:

1. A meeting of the existing sub-group on fitness-for-purpose to go through the list of issues identified and to establish which ones are the most relevant for further discussion at the MIG (taking

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level. The results of these discussions is summarised in the following document: [Action 2016.1 Fitness for purpose Annex III analysis](#)

account the four elements listed above). Such a meeting could take place in February or March 2018 based on the enclosed documents which would leave sufficient time for preparation of the experts.

2. A dedicated workshop on the themes related to statistics (SU (statistical units), PD (population distribution) and HH (human health) with interested experts nominated by the MIG and involvement of relevant Commission services (including DG ESTAT). Such a workshop would take place in April.

3. A dedicated workshop on Coordinate Reference Systems and grids building on the work already undertaken by the JRC. Such a workshop would be organised by the JRC and involve interested experts nominated by the MIG. It would take place between February and May.

In addition, all MIG participants would be invited to comment and provide input to these events based on the enclosed documents in order to establish their interest and support (or not) on amending these issues. Moreover, the MIG-T and the thematic networks would be able to feed into this technical consultation, as appropriate. All this technical work would be compiled in preparation of the next MIG meeting (June 2018) with the aim to allow an appraisal of whether or not a revision of the Data Specification Regulation should be recommended to the Commission and the INSPIRE Committee. Should this be the case, a draft revision could be presented to the Committee in the second half of 2018 and voting of the opinion of the Committee could take place in the first half of 2019.

## Annex 1: Detailed outcome of the written procedure on the possible revision of Commission Regulation (EU) No 1089/2010 and its amendments on interoperability

Possible revision of Commission Regulation (EU) No 1089/2010 and its amendments on interoperability					
MS	For	Against	Abst	Silent Consent	Comments
Votes	11	2		15	<p><b>26 MS support the COM proposal. BE does not support any change to the Interop IR, FR first want to see the evidence presented of any expected benefit resulting from reviewing the IR.</b></p> <p><b>Conclusion: A large majority of 26 MS supports changes to the Interop IR with limited impact.</b></p>
AT	X				<p>Austria welcomes the efforts done in action 2016.1 and especially the effective project management for this activity and keeping the timeframe.</p> <p>Austria supports simplifications and becoming more pragmatic in the INSPIRE implementation.</p> <p>Action 1: Austria supports the “Master Guidelines” as a non legally binding information framework. We are actually preparing “Austrian Master Guidelines” for the stakeholders within the “Assistenzstelle Österreich”:  <a href="https://assistenzstelle.inspire.gv.at/">https://assistenzstelle.inspire.gv.at/</a></p> <p>Action 2: Austria supports alternative simplified schemas and looks forward to the outcome of this activity. Actually we are observing discrepancies, for example in Annex III.12 natural risk zones among others.</p> <p>Action 3: Austria supports action 3, open source client software is urgently needed for complex gml. We are evaluating Geopackage (OGC standard) and Spatial Lite for complex schemas. These databases are for exchange and archiving of geoinformation.</p> <p>Doc.4: Austria welcomes a more automatic monitoring and reporting on the basis of existing INSPIRE infrastructure components.</p>
BE		X			<p>It seems to us that the problem is mainly at a technical level. Consequently, we do not support a revision of the interoperability IRs at this stage of the implementation of the Directive to maintain stability in the current implementation and the 2020 targets.</p>
BG				X	

CY				X	
CZ				X	
DK				X	We do not consider Part 3a of the DOC 3 as a concrete proposal for revision of the Commission Regulation (EU) No 1089/ 2010. We find it more as a collection of issues to consider in regards to bringing INSPIRE closer to “fit for purpose” as some of the items have nothing to do with the above mentioned IR. Since there is no concrete proposal for changes to the IR it is difficult to give a view for or against.
DE	X				Condition: There are no basic concerns changing the Commission Regulation (EU) 1089/2010 as proposed as long as the proposals do not have any negative impacts on the implementing efforts and resulting costs, i.e. increase the efforts and associated costs of member states for implementing INSPIRE regulations.
EE				X	
FI	X				In summary, Finland prefers that existing flexibilities in legislation and technical guidance level development are considered as the primary method for streamlining INSPIRE implementation. Amending IR 1089/2010 re-lated to Annex III data themes is supported if no other feasible option can be discovered with reasonable ef-fort.
IE				X	
EL				X	
ES	X				
FR		X			The French position is that the working groups must first provide evidence to the Committee, as a first step, of the benefits for the public authorities of the Member States of a revision of the Regulation 1089/2010 .  The Committee would then be in a position to give a opinion on the need to launch the revision of the Regulation

					n°1089/2010.
HR				X	
IT				X	
LV	X				
LT				X	
LU				X	
HU				X	
MT	X				We would like to highlight that any changes to the Implementing Rules should have minimal impact on already conformant datasets and services as not to incur additional cost to align to new regulations.
NL	X				
PL	X				
PT	X				
RO	X				Romania supports the revision, as follows:  To produce effects at the level of the Member States in order to adopt as relaxed data policies as possible; Simplification of spatial data services by considering principles that make them easier to use, adoption of standards



					<p>with a demonstrated maturity level and development of a set of appropriate technical guidelines; Simplification of data schemes in order to avoid delays in ensuring the compliance of data sets, under the circumstances that they are due in some cases to the lack of pan-European coding systems or conventions.</p> <p>In conclusion, Romania considers that in order to support the amendment of Commission Regulation (EU) no. 1089/2010, the draft amendment of Regulation should be submitted in order to see what the expected effects are.</p>
SE	X				<p>Sweden would also like to stress the issue of reusing specifications and encodings from other, already existing initiatives, which already have well developed standards and specifications within their respective domain. Examples are for instance OneGeology, TN-ITS, EFFIS, etc. The importance of reusing the results from the work already carried out within these initiatives are not well indicated in the document.</p>
SI				X	
SK				X	
UK				X	

## Annex 2: Change proposals IR-ISDSS

Key	doc ref.	Summary	MS	Theme(s)	Classification
INSPIRE-12	1.1.1	Data transformation to Coordinate Reference Systems required by INSPIRE	PL	all	cross-cutting - RS/GG
INSPIRE-19	1.1.2	Include Spherical Mercator as one of the possible Coordinate Reference Systems & Spherical Mercator Grid as one of the possible Grid systems	ES	RS, GG	cross-cutting - RS/GG
INSPIRE-9	1.2.1	Attributes with multiplicity [0..1] not marked as voidable	PL	all	cross-cutting - multiplicity/voidability
INSPIRE-8	2.1.1	Typo in the Planned Land Use application schema	FI	LU	theme-specific - bug fixes/minor changes
INSPIRE-4	2.1.10	AU: Attributes Geometry and Country	DE	AU	theme-specific - bug fixes/minor changes
INSPIRE-6	2.1.11	EF: Attribute operationalActivityPeriod of EnvironmentalMonitoringFacility	DE	EF	theme-specific - bug fixes/minor changes
INSPIRE-24	2.1.12	LC: Aggregation relationship between LandCoverDataset and LandCoverUnit	ES	LC	theme-specific - bug fixes/minor changes
INSPIRE-23	2.1.13	LU: data value of 'extent' attribute on ExistingLandUsedataset	ES	LU	theme-specific - bug fixes/minor changes
INSPIRE-21	2.1.14	US: Attributes of the data type AreaOfResponsibilityType	ES	US	theme-specific - bug fixes/minor changes
INSPIRE-30	2.1.2	HydroId/HydroIdentifier data type is mandatory according to IR, but not according to the TG	FI	HY	theme-specific - bug fixes/minor changes
INSPIRE-35	2.1.3	legalFoundationDocument: DateTime element is too detailed for the indication of the date of a signature. 5.3.1.7.	EEA	PS	theme-specific - bug fixes/minor changes

INSPIRE-37	2.1.4	Adding the ThematicIdentifier type	EEA	PS	theme-specific - bug fixes/minor changes
INSPIRE-42	2.1.5	Observations on issues arise from WFD reporting	EEA		theme-specific - bug fixes/minor changes
INSPIRE-31	2.1.6	The Drainage basin feature type has to be GM_Surface. GM_MultiSurface should also be allowed	FI	HY	theme-specific - bug fixes/minor changes
INSPIRE-20	2.1.7	There is no layers defined for the Atmospheric Conditions and Meteorological Geographical Features Theme	ES	AC-MF	theme-specific - bug fixes/minor changes
INSPIRE-20	2.1.8	Observation References package is missing in the structure definition of the Atmospheric Conditions and Meteorological Geographical Features theme	ES	AC-MF	theme-specific - bug fixes/minor changes
INSPIRE-3	2.1.9	AU: Value type of association role condominium	DE	AU	theme-specific - bug fixes/minor changes
INSPIRE-34	2.2.1	Change values and add three new values in code list "IUCNDesignationValue" 5.3.2.4.3.	EEA	PS	theme-specific - code lists
INSPIRE-27	2.2.10	Water Framework Directive WFD (2000/60/UE) Water bodies. waterBodyForWFD	ES	AM	theme-specific - code lists
INSPIRE-28	2.2.11	US: Discharge Points for treated waste water need to be added	ES	US	theme-specific - code lists
INSPIRE-29	2.2.12	US: Consider adding a new code list to the EnvironmentalManagementFacility	ES	US	theme-specific - code lists
INSPIRE-22	2.2.13	AM: Values for the code lists ZoneTypeCode and EnvironmentalDomain	ES	AM	theme-specific - code lists
INSPIRE-36	2.2.2	Extension of DesignationType code list. 5.3.2.2.1.	EEA	PS	theme-specific - code lists
INSPIRE-20	2.2.3	Code list EU_AirQualityReferenceComponentValue	ES	AC-MF	theme-specific - code lists
INSPIRE-20	2.2.4	Code list GRIB_CodeTable4_2Value	ES	AC-MF	theme-specific - code lists
INSPIRE-20	2.2.5	Code list ProcessParameterNameValue	ES	AC-MF	theme-specific - code lists
INSPIRE-20	2.2.6	Code list StatisticalFunctionTypeValue	ES	AC-MF	theme-specific - code lists
INSPIRE-20	2.2.7	Code list defined in the Technical Guideline but undefined in Commission Regulation (EU) No 1089/2010	ES	AC-MF	theme-specific - code lists

INSPIRE-25	2.2.8	AM: Agglomerations (Directive 91/271/EEC)	ES	AM	theme-specific - code lists
INSPIRE-26	2.2.9	AM: Areas related to 91/271/EEC are missing	ES	AM	theme-specific - code lists
INSPIRE-13	2.3.1	Semantic harmonised data Population Distribution theme	NL	PD	theme-specific - PD, SU, HH
INSPIRE-14	2.3.2	Population Distribution object and data types	NL	PD	theme-specific - PD, SU, HH
INSPIRE-15	2.3.3	Geometry in Population Distribution and Human Health	NL	PD, HH	theme-specific - PD, SU, HH
INSPIRE-11	2.3.4	Current Population distribution data model not feasible for data providers and not usable for data users	PL	PD	theme-specific - PD, SU, HH
INSPIRE-17	2.3.6	The SU data model is missing a SU-type attribute	NL	SU	theme-specific - PD, SU, HH
INSPIRE-10	2.3.7	Use SDMX for Population distribution theme data provision	PL	PD	theme-specific - PD, SU, HH
INSPIRE-33	2.4.1	Observations on the current Production Facilities Theme and its relation to the EU Registry of Industrial Facilities	EEA	PF	theme-specific - coherence with other legislation
INSPIRE-16	2.4.2	eReporting	NL	all	theme-specific - coherence with other legislation
INSPIRE-7	2.4.3	PF: harmonisation of definitions	DE	PF	theme-specific - coherence with other legislation
INSPIRE-32	3.1.1	General comments related to implementation experiences of the AQ Directive	EEA		general observations
INSPIRE-38	3.1.2	Annex I of the Commission Implementing Regulation (EU) No 1089/2010	EEA		general observations
INSPIRE-39	3.1.3	Annex II of the Commission Implementing Regulation (EU) No 1089/2010	EEA		general observations
INSPIRE-40	3.1.4	Annex II of the Commission Implementing Regulation (EU) No 1089/2010	EEA		general observations
INSPIRE-41	3.1.5	Observations on issues related to the four marine-related themes in Annex III	EEA		general observations
INSPIRE-5	3.1.6	SDS: multilingualism of metadata-sets (e.g. keywords/codelists, attributes of geodata), crossborder search and analysis	DE	SDS, MD	general observations
INSPIRE-20	3.2.1	There is no styles defined in the Technical Guidelines AC-MF to be supported by the INSPIRE View Services	ES	AC-MF	TG-related issues

INSPIRE-20	3.2.2	Correction of Bookmark error in ToC - TG GGS	ES	AC-MF	TG-related issues
INSPIRE-18	3.2.3	Include GoogleMapsCompatible as one of the recommended Tilematrixset	ES	View NS	TG-related issues
INSPIRE-43	3.2.4	Default encoding for geology	EGS	Geology	TG-related issues
INSPIRE-44	3.2.5	Layers organisation geology	EGS	Geology	TG-related issues
INSPIRE-45	3.2.6	Geology code list, style	EGS	Geology	TG-related issues - code list
INSPIRE-46	3.2.7	Geochronology code-list change	EGS	Geology	TG-related issues - code list
INSPIRE-47	3.2.8	Litolpgy code list change	EGS	Geology	TG-related issues - code list
INSPIRE-48	3.2.9	Geophysics schema change	EGS	Geology	TG-related issues