



Let's start with environment

*Initial INSPIRE priority datasets implementation experience from
Czech and Slovak republic*

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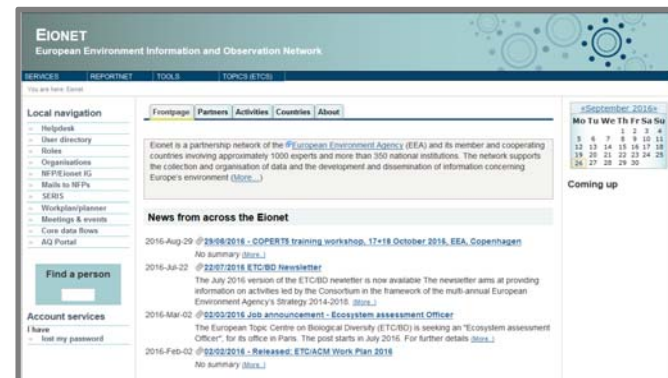


Both environment agencies represent:

Member state contact point for INSPIRE



National focal point for EIONET



Content

- Priority datasets
- Initial implementation experience from CZ and SK
- Main observations
- Recommendations to consider

What are priority data sets?

Data necessary for environmental reporting



Noise directive



Marine framework directive



Water framework directive



Habitats directive



Urban waste water treatment directive



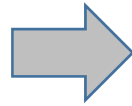
Air quality directive

Etc.

Priority data sets in more detail

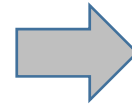


Reporting directive



31.12.2016

List of reporting obligations with their reporting deadlines (one directive has usually more obligations with different deadlines)



Report



Non spatial data



Spatial data

Different reporting obligations fulfilled by different type of data

Motivation for INSPIRE priority datasets

- INSPIRE REFIT evaluation
- Environment domain shall be the Leader to prove the potential of SDI
- Increase the visibility of the environmental data resources via INSPIRE
- Stimulate the further efficiency in environmental monitoring and reporting
- Provision of input to improve relevant policy consistency

Main observations – inconsistency in lists

Table 1: Reporting timetable until 2020

<i>Environmental Directives with reporting obligations</i>	<i>Reporting deadlines</i>
Directive 2008/50/EC on ambient air quality and cleaner air for Europe	31/12/2015
Directive 2007/60/EC on the assessment and management of flood risks – flood risk management plans	22/03/2016
Directive 2000/60/EC on establishing a framework for the Community action in the field of water policy - river basin management plans	22/03/2016
Directive 2008/56/EC establishing a framework for community action in the field of marine environmental policy (Marine Strategy Framework Directive)	15/10/2020
Emissions - Regulation EC/166/2006 concerning the establishment of a European Pollutant Release and Transfer Register (e-PRTR) and Directive 2001/80/EC on the limitation of emissions of certain pollutants into the air from large combustion plants (the LCP Directive)	31/03/2016



List of reporting directives with the reporting deadlines

Main observations – inconsistencies in lists

LegNo	Legislation short name	Reporting requirement	Reporting requirement sub-element	INSPIRE theme	INSPIRE Spatial Object Types	Referencing spatial objects (indirect and reference)	Link to	Remarks and comments	Dataset typology
6	1 AQD	(D) Information on the assessment methods (Articles 8 and 9)	(ii) Fixed measurement Information	III. 7	em:EnvironmentalMonitoringNetwork; em:EnvironmentalMonitoringFacility				
7	1 AQD	(D) Information on the assessment methods (Articles 8 and 9)	(iii) Indicative Measurement Information	III. 7	em:EnvironmentalMonitoringFacility				
8	1 AQD	(D) Information on the assessment methods (Articles 8 and 9)	(iv) Modelling Information	III. 7	em:EnvironmentalMonitoringFacility				
9	1 AQD	(D) Information on the assessment methods (Articles 8 and 9)	(v) Objective Estimation Information	III. 7	em:EnvironmentalMonitoringFacility				
10	1 AQD	(E) Information on primary validated assessment data and primary up-to-date assessment data (Article 10)		III. 7	em:EnvironmentalMonitoringFacility; om:OM_Observation	Link to D	III. 7		Direct measurement AQ pollutants related data
11	1 AQD	(F) Information on generated aggregated data (Article 11)		III. 7	em:EnvironmentalMonitoringFacility; om:OM_Observation	Link to D; Link to B	III. 7, III. 11		Aggregated measurement of AQ pollutants yearly average
12	1 AQD	(G) Information on the attainment of environmental objectives (Article 12)				Based on B; Link to D; Link to INSPIRE I.4 Administrative Units - au: administrativeUnit	III. 7, III. 11,		Exceedance situation to Annex I B
13	1 AQD	(H) Information on air quality plans (Article 13)				Link to G	III. 7, III. 11,		
14	1 AQD	(I) Information on source apportionment (Article 13)				Link to G	III. 7, III. 11,		
15	1 AQD	(J) Information on the scenario for the attainment year (Article 13)				Link to G	III. 7, III. 11,		
16	1 AQD	(K) Information on measures (Articles 13 and 14)				Link to G	III. 7, III. 11,		
17	1 AQD	Check Annex I Part (B) for pollutants (UTD measurements and yearly reported heavy metals)							
18	4 WFD	Water bodies (surface and groundwater)		III. 11	extension of INSPIRE AM for water bodies for WFD: surface water bodies (river, lake, coastal, transitional, territorial waters) and groundwater bodies			Territorial waters are not a water body category under WFD. However, Article 2.1 of the WFD indicates that chemical status applies to territorial waters as well. Including also parts of groundwater bodies if linked to different horizons.	Water bodies: surface, coastal, ground. Several water body object (e.g. lake, administrative boundary water objects.
19	4 WFD	Heavily Modified Water Bodies (HMWB)	Report the water use and type of physical modification for which the HMWB has been designated.			property of water bodies / referencing III.11 (AM)	III. 11		Article 4(3) of the WFD to identify and designate (AWBs) and headwaters (HMWBs). AWBs must achieve Good Environmental Status by 2015. Types of Heavily Modified



List of 4 reporting directives with identified INSPIRE spatial objects

Main observations - inconsistencies in lists

Inventory for monitoring and reporting obligations and processes involving spatial information in EU environment legislation						
	Title with link to source	Short description	Theme	Detailed reporting requirement	Number of spatial data sets in reporting	Sub-elements/spatial data sets
3	Directive 2008/50/EC of the European Parliament and of the Council on ambient air quality and cleaner air for Europe (including Implementing Decision 2011/850/EU)	Information on Ambient Air Quality	Air	2011/850/EC, Art 6-14 gives full detail: information on zones & agglomerations, assessment regimes & methods, primary validated data and aggregated, attainment of objectives, source apportionments, air quality plans and measures, attainment year	4	1) AQ management zones & agglomeration 2) AQ monitoring networks 3) AQ monitoring stations 4) All AQ data (i.e. both measurement & modelling) associated with AQ monitoring stations
4	Directive 2004/107/EC of 15 December 2004 relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air (Including Implementing Decision 2011/850/EU)	Information on Ambient Air Quality (i.e. on As, Cd, Hg, Ni, B(a)P)	Air	2011/850/EC, Art 6-14 gives full detail: information on zones & agglomerations, assessment regimes & methods, primary validated data and aggregated, attainment of objectives, source apportionments, air quality plans and measures, attainment year	4	1) AQ management zones & agglomeration 2) AQ monitoring networks 3) AQ monitoring stations 4) All AQ data (i.e. both measurement & modelling) associated with AQ monitoring stations
5	Directive 2002/49/EC re assessment and management of environmental noise.	List of major roads, highways, air routes, agglomerations				5) Roads, railways and air
6	Directive 2002/49/EC re assessment and management of environmental noise.	Noise reduction measures along roads (DF6_9)				
7	Directive 2002/49/EC re assessment and management of environmental noise.	Strategic noise maps (UF 4_8)	Noise	major roads and major railways	1	(strategic noise maps, noise
8	Directive 2002/49/EC re assessment and management of environmental noise.					



List of reporting directives without reporting deadlines and without identified INSPIRE spatial objects

Initial implementation experience from CZ

- Every new list of reporting directives should extend the original one (using the same template + version)
- The most preferable is the list No. 2 (with detailed INSPIRE spatial objects)
- Reporting deadlines are crucial for working with ROD (reporting obligation database – accessible only by reporters)
- Mapping/Division reporting data to INSPIRE data theme/s from the EU is needed

Initial implementation experience from SK

- First mapping of the identified priority reporting flows
 - Close cooperation with reporting/data experts
- Registration of priority datasets via INSPIRE metadata
 - Need for metadata guidance to help:
 - Identify the MD record refers to INSPIRE Priority datasets
 - How to define „Title“
 - Which INSPIRE theme/s to assign
- Data harmonisation level
 - Guidance for mapping of relevant reporting concepts towards the elements of INSPIRE UMI model



REGISTER PRIESTOROVÝCH INFORMÁCIÍ

RPI » Mapový a vyhľadávací klient

Našiel sa jeden záznam Filter

Zoradiť výsledky podľa

Názvu ↓↑ Typu ↓↑ Dátumu aktualizácie ↓↑

Smernica Európskeho Parlamentu a Rady 2008/50/ES z 21. mája 2008 o kvalite okolitého ovzdušia a čistejšom ovzduší v Európe

{WW:Slovenská agentúra životného prostredia}

25.9.2016 Zobraziť rozsah v mape



Recomendations to consider

Member states:

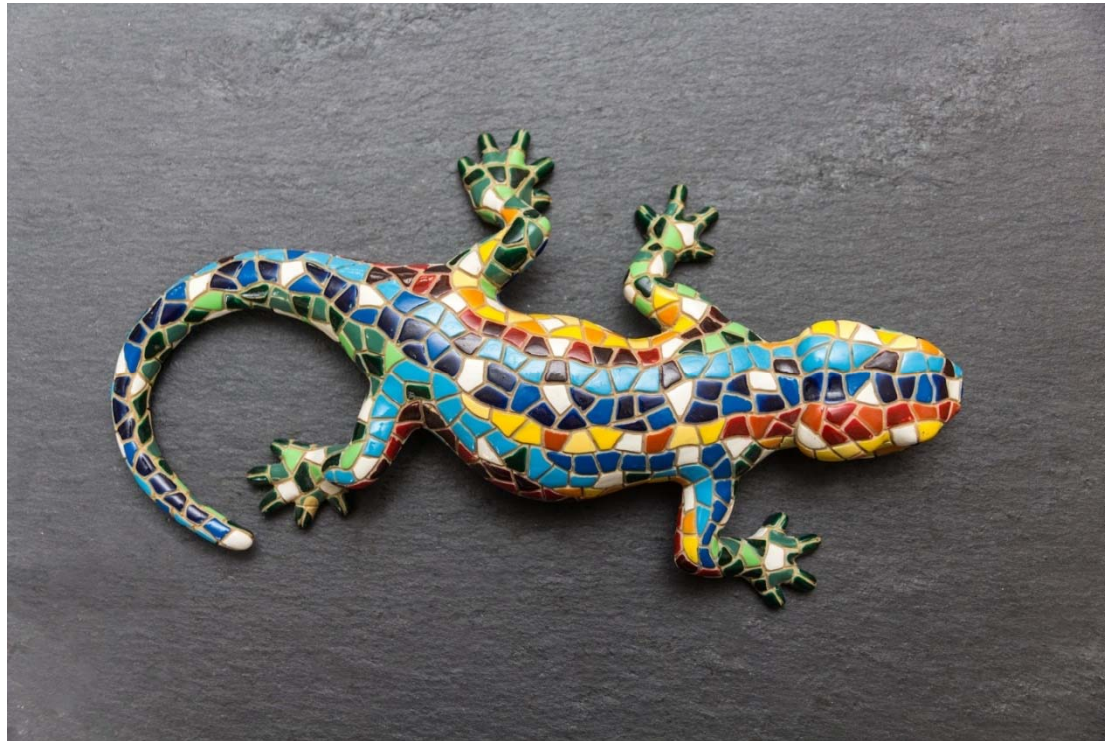
- Strengthen communication with reporting experts / NFP Eionet
- Start to identify relevant:
 - Expert/s for reporting
 - Expert/s preparing data for reporting
- Collect URIs MD records, including links for description of particular reporting to strengthen the further re-use

EU:

- Harmonise the list of reporting obligations:
 - Extend the table with „Deadlines for reporting, periodicity, EU authority collecting reporting data from MS “
- Help the member states to map/decide about the assignment to INSPIRE themes



SLOVAK ENVIRONMENT
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Thank you & questions

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