



.KEN

Monitoring & Reporting 2019

Some news on future changes

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Agenda

1. Rationale
2. Indicators
3. Reporting
4. Next Steps
5. 2019: Transitional Period
6. Technical Impacts (introduction)
7. Conclusion

1. Rationale (1)

June 2016: Mid-Term & REFIT Evaluation

- Streamline and simplify the reporting process to minimize administrative burden
- Fitness check on environmental monitoring and reporting (priority to environmental datasets)

Lead to

MI Work Programme 2016-2020

<https://webgate.ec.europa.eu/fpfis/wikis/display/InspireMIG/MIWP+2016-2020>

1. Rationale (2)

October 2016 : MI WG : Streamlining the monitoring and reporting for 2019 (action 2016.2)

See : <https://ies-svn.jrc.ec.europa.eu/projects/2016-2/wiki>

- Reviewing 2009 MR Decision and related guidelines
- Fit for purpose
- Indicators automatically derivable

1. Rationale (3)

Action 2016.2 Conclusions & Recommendations

Room for improvement

- Reporting: Non comparable textual information -> significant burden at national and EU level
- Monitoring indicators :no clear insight in the implementation progress
- Make it easy : information collection (XML file)

1. Rationale (4)

Action 2016.2 Objectives

Ambition level of the review : towards a better evaluation of the implementation progress

- Simplification
- Better comparison across Member States
- National and EU-wide overview
- Reduce burden
- Indicators fit for purpose

1. Rationale (5)

Action 2016.2 Key principles

Driven by metadata

- Information collected from the metadata (for monitoring and part of reporting)
- Once only :
harvesting process of metadata & indicators automatically calculated
- Revised set of indicators -> topic for reporting
- Reporting : country fiches template

2. Indicators (1)

Changes

48 - 32 + 3 indicators : from 48 to 19 indicators

3 new indicators:

- Number of spatial datasets for eReporting (DSi1,3): the priority datasets
- Distribution of spatial datasets with regional (DS1,4) and national (DS1,5) coverage : idea of the coverage of the dataset.

Implication of the metadata : additional keywords

2. Indicators (2)

Removals

Conditioned by metadata content potentials

General number of datasets for which metadata exist

(no more distinction between annexes)

Stop collection of the relevant and actual area of spatial datasets

(replaced by national and regional coverage)

General number of services for which metadata exist

(no more distinction between annexes)

Stop collection of the annual number of requests per network service

2. Indicators (3)

Spatial scope : national

National coverage

Nationally organized

ex: aggregated and harmonized regional datasets covering the national territory -> documented at national level)

At national level

ex: coastline

Governance level:
eu-legal (The item is governed at the level of INSPIRE legal acts, including the INSPIRE Directive and Implementing Rules)
Definition:
The scope of the data set intends to cover the national territory.
Description:
Datasets intending to contain all objects of a certain theme for the national territory shall be considered as datasets of national scope. The territory covered by a dataset of national scope may be different from the actual geographical extent of the national territory (e.g. a dataset of drilling platforms would only extend over the maritime area of a country, a dataset comprising buildings or forests would only cover terrestrial areas). The national territory may consist of several subdivisions, for administrative or other purposes, at different levels (e.g. federal states, regions, provinces, municipalities). Datasets intending to contain all objects of a certain theme for all relevant entities on a certain subdivision level (e.g. all relevant federal states, all relevant regions, all relevant provinces, all relevant municipalities) of a member state are seen here as datasets of national scope.

2. Indicators (4)

Spatial scope : regional

Not national

Not available nationally

(only one or several regions)

Aggregated at regional level

(for municipalities)

Regional datasets

(documented at regional level)

Regional
Governance level:
eu-legal (The item is governed at the level of INSPIRE legal acts, including the INSPIRE Directive and Implementing Rules)
Definition:
The scope of the data set intends to cover the territory of one or several sub-national level administrative units.
Description:
The regional territory may consist of several subdivisions, for administrative or other purposes, at different levels (e.g. provinces, municipalities). Datasets intending to contain all objects of a certain theme for all relevant entities on a certain subdivision level (e.g. all relevant provinces, all relevant municipalities) of one or several regions of a member state are seen here as datasets of regional scope.

2. Indicators (5)

Implication in the metadata (improving the quality)

Additional keywords for (cf: INSPIRE Registries)

- Priority datasets
- Regional or national coverage (cf: INSPIRE Registries)

Mandatory elements

- metadata UUID of spatial data sets;
- metadata UUID of the discovery, view and download services related to a spatial data set;
- metadata UUID of the discovery service servicing the metadata of a network service;
- direct accessibility of a service


Interoperability and data-service linking (indicators NSi2)

3. Reporting (1)

Changes

Country Fiche

- Replace the 3 years report
- Extract from **monitoring** & reporting information
- Template for MS consistency reporting
- Annual delivery

STATUS	<p>STATE OF PLAY <i>(Based on Report)</i></p> <p>Coordination</p> <ul style="list-style-type: none"> • National Contact point • Coordination Strategy (image if available) • Progress <p>Functioning and coordination of the infrastructure</p> <ul style="list-style-type: none"> • Progress <p>Usage of the infrastructure for spatial information</p> <ul style="list-style-type: none"> • Progress • Cross-border <p>Data Sharing Arrangements</p> <ul style="list-style-type: none"> • Progress <p>Costs and Benefits</p> <ul style="list-style-type: none"> • Progress on accessing costs • Progress on accessing benefits 	 <p>INSPIRE INFORMATION SYSTEMS FOR ENVIRONMENTAL POLICY AND PLANNING</p> <p>KEN</p> <p>BASED ON 3 YEARS REPORT</p>
STATUS	<p>KEY FACTS AND FIGURES <i>(From INSPIRE dashboard)</i></p> <ul style="list-style-type: none"> • Identification of spatial data with relevance to the environment • Documentation of the data (metadata) • Accessibility of the data through digital services • Technical conformity and level of interoperability of spatial data, metadata and services 	<p>BASED ON DASHBOARD</p>
OUTLOOK	<p>OUTLOOK <i>(Based on Action plan)</i></p> <ul style="list-style-type: none"> • ... 	<p>BASED ON ACTION PLAN</p>
SUMMARY	<p>SUMMARY</p> <ul style="list-style-type: none"> • How country is doing 	<p>GENERAL ASSESSMENT</p>
RECOMMENDATIONS	<p>SPECIFIC RECOMMENDATIONS</p> <ul style="list-style-type: none"> • ... 	<p>OPTIONAL</p>

3.Reporting (2)

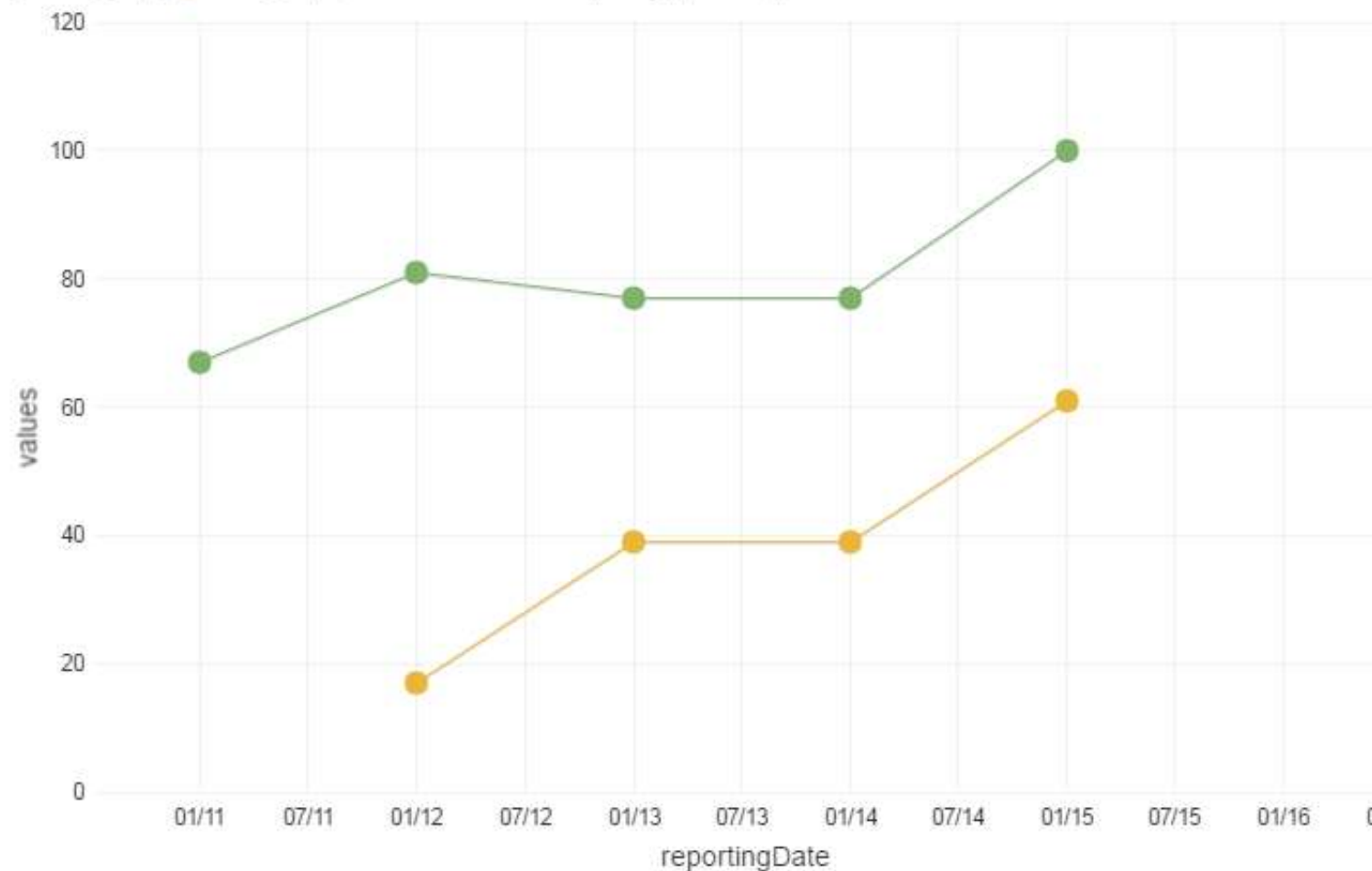
Automated part

Key facts and figures

- Looking like the **INSPIRE Dashboard**

NUMBER OF SPATIAL DATA SET THAT HAVE METADATA (MDV1_DS) AND HAVE CONFORMANT METADATA (MDV2_DS)




● mdv1_ds (5) ● mdv2_ds (5) indicatorValue values per 1y | (10 Hits) | Time correction: browser



3. Reporting (3)

Automated part

How the country is doing

INSPIRE key obligation	Overall implementation status and trend	Outlook	<div style="text-align: right;">   </div> <p>Dashboard Legend</p> <p>Implementation Status:</p> <p>😊: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.</p> <p>😐: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.</p> <p>😞: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.</p> <p>Trend:</p> <p>↗️: the trend of the implementation is positive.</p> <p>➡️: the trend of the implementation is neutral.</p> <p>↘️: the trend of the implementation is negative.</p> <p>Outlook:</p> <p>🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.</p> <p>🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.</p> <p>🔴: no actions have been identified to overcome identified implementation gaps.</p> <div style="text-align: right;">  <p>NATIONAAL GEOGRAFISCH INSTITUUT INSTITUT GEOGRAPHIQUE NATIONAL</p> </div>
Ensure effective coordination	😊 ↗️	🟢	
Data sharing without obstacles	😐 ↗️	🟢	
Step 1: Identify spatial datasets	😐 ➡️	🟡	
Step 2: Document datasets (metadata)	😐 ↗️	🟢	
Step 3: Provide services for identified spatial datasets (discovery, view, download)	😐 ↘️	🟢	
Step 4: Make spatial datasets interoperable by aligning them with the common data models.	😞 ➡️	🟡	

4. Reporting (4)

EU Level

Dash board at EU level
(easy view of implementation progress)

See
<https://inspire.ec.europa.eu/portfolio/inspire-your-country>

European reporting (2016)

- [Summary Report on Status of implementation of the INSPIRE Directive in EU](#)

Table 3. Ensure effective coordination

MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	😊 ↗	○	<p>Implementation Status:</p> <p>😊: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.</p> <p>😐: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.</p> <p>☹️: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.</p> <p>Trend:</p> <p>↗: the trend of the implementation is positive.</p> <p>→: the trend of the implementation is neutral.</p> <p>↘: the trend of the implementation is negative.</p>
BE	😊 ↗	○	
BG	😐 →	○	
HR	😐 →	○	
CY	😊 ↗	○	
CZ	😊 ↗	○	
DK	😊 ↗	○	
EE	😐 ↗	○	
FI	😊 ↗	○	
FR	😊 →	○	
DE	😊 ↗	○	
EL	😐 →	○	
HU	😐 →	○	
IE	😐 ↗	NA	
IT	😐 ↗	○	
LV	😊 ↗	○	
LT	😊 ↗	○	
LU	😊 ↗	○	
MT	😊 ↗	○	

5. Next Steps (1)

Action 2018.1 Streamlining the monitoring and Reporting for 2019

November 2018: In charge of the system implementation for automatic harvesting (developed by JRC)

Monitoring Dashboard (continuous monitoring): underway

- Automated calculation of indicators, based on the metadata and displayed on INSPIRE dashboard (underway)
- JRC harvest the metadata

Online system for update country fiches: underway

- Feb 2019: testing (6 MSs) ,
- April 2019: results will be presented at MIGT
- After May 2019 : Date of official launch to be fixed (security issues)

Guidelines for reporting: new version published 26/03/2019

5. Next Steps (2)

Legal and organizational aspects5.

New IRs on Monitoring and Reporting,

- Voted at European Parliament 26 March 2019.
- Entry into Force in April 2019

6. 2019 Transition Period (1)

Monitoring

15 May 2019 : Monitoring 2018 current system applied (.xml file)

15 December 2019: move to the new system with new time-stamp

MS will give the GO for formal harvesting.

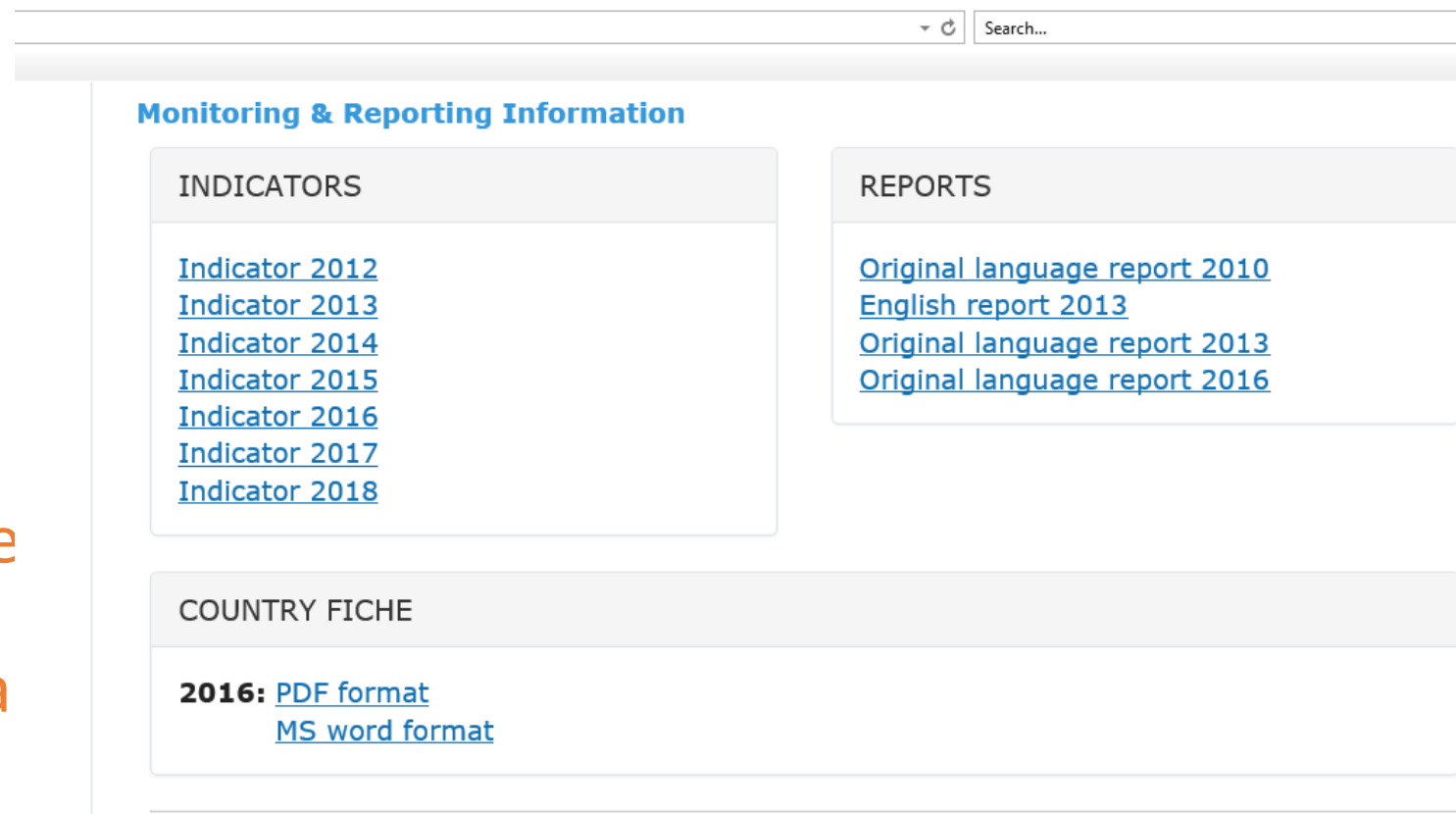
March 2019 :The COM will provide draft monitoring results for approval by the MS.

6. 2019 Transition Period (2)

Reporting 2016-2018

15 May 2019 : new system Country Fiche

- based on the update of the country fiche 2016 (exercise on the previous report 2013-2015)
- country fiche published on the “INSPIRE in your country”
- to update manually the textua part “ State of the Art “
- to upload the MS word document to the EEA Reportnet (together with the monitoring file)



The screenshot shows a web interface for 'Monitoring & Reporting Information'. At the top right, there is a search bar with a refresh icon and the text 'Search...'. Below this, the page is divided into two main sections: 'INDICATORS' and 'REPORTS'. The 'INDICATORS' section lists links for years 2012 through 2018. The 'REPORTS' section lists links for 'Original language report 2010', 'English report 2013', 'Original language report 2013', and 'Original language report 2016'. Below these sections is a 'COUNTRY FICHE' section with a link for '2016' in both 'PDF format' and 'MS word format'.

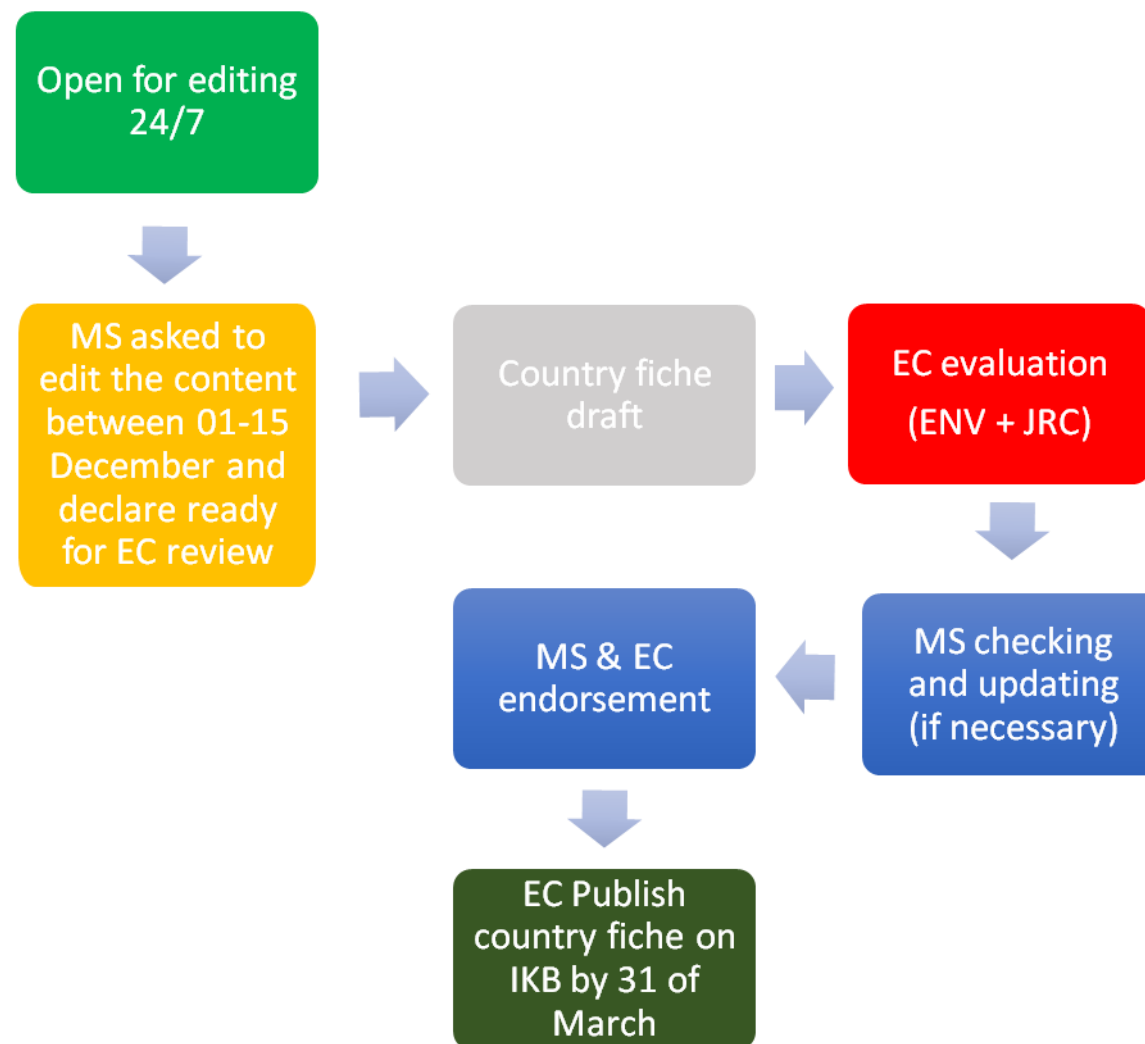
[Country Fiche BE](#)

6. 2019 Transition Period (3)

Yearly reporting

15 Dec 2019 : new update
Country Fiche

- Only editing the textual part



7. Technical Impacts

introduction (will be investigated in 2019)

Data–service linking (interoperability)

INSPIRE compliance (metadata): only through the validator of reference

<http://inspire-sandbox.jrc.ec.europa.eu/validator/>) on the EU geoportal
(<http://inspire-geoportal.ec.europa.eu/validator2/> obsolete)

Proposal of a new tool for uploading metadata and checking INSPIRE compliancy and interoperability

Harvesting monitoring: proposal for a manual harvesting that can be used by MS (push).

8. Conclusions

- Monitoring fully automated based on metadata
- New simplified reporting approach with a yearly country fiche
- New time-stamp: 15 December
- Show the progress in the implementation
- Comparable information between MSs
- 2019: year of transition
- Technical impacts to be analysed



THANK YOU!



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