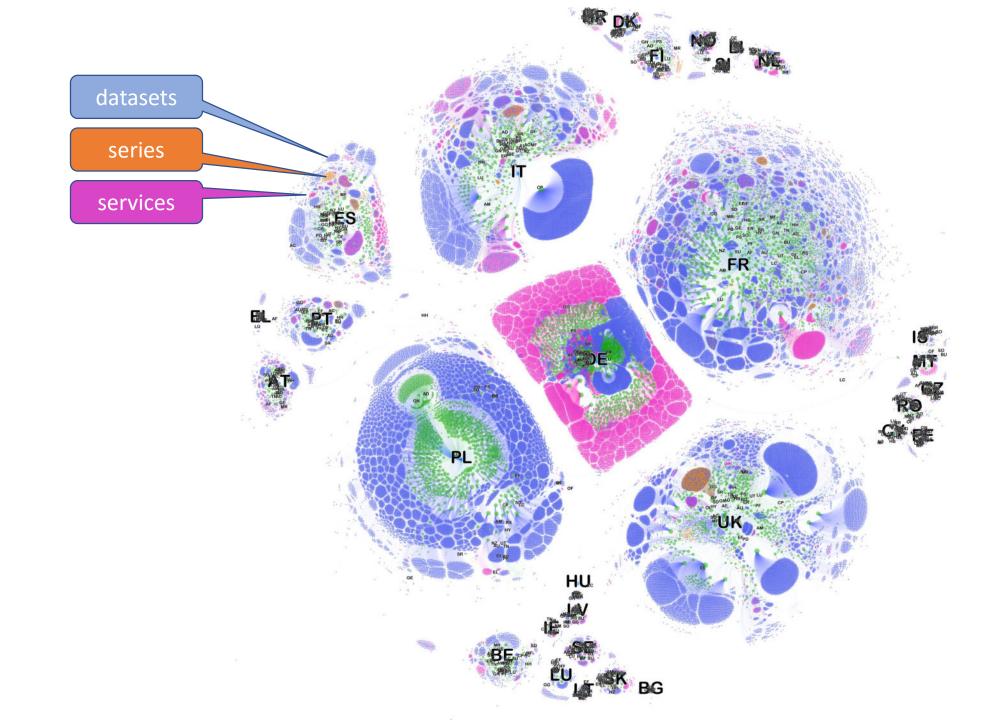
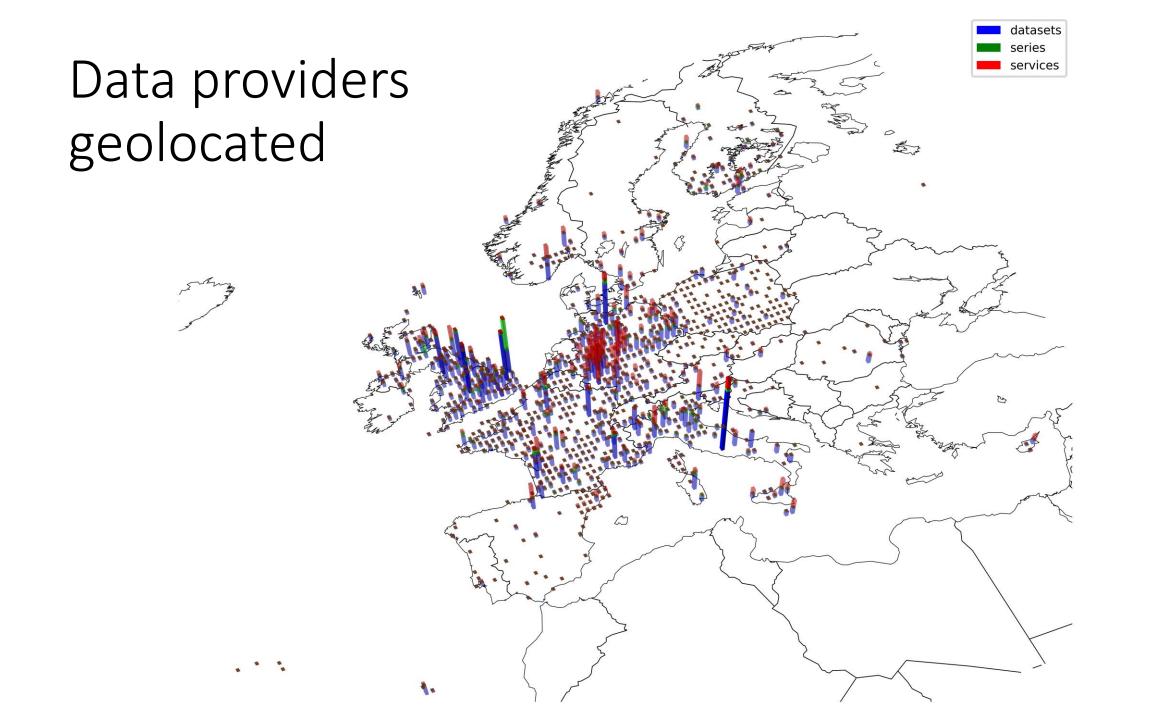


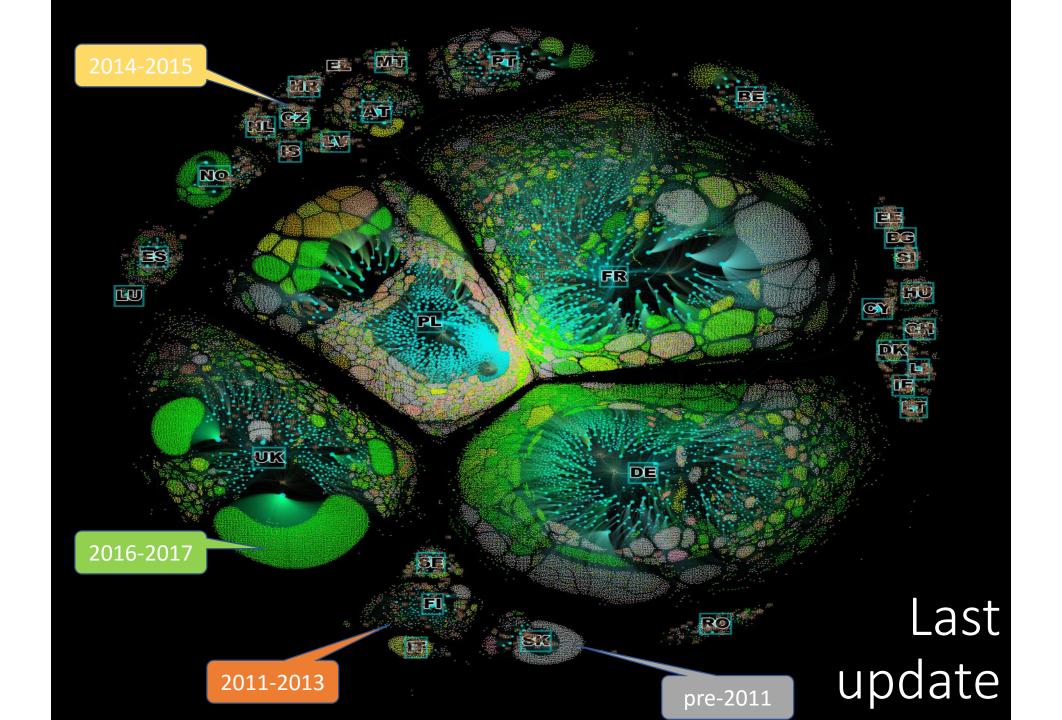
Joint Research Centre



What is INSPIRE? 7.500 data providers 120.000 data and services 32 countries What does it say about national implementation strategies?

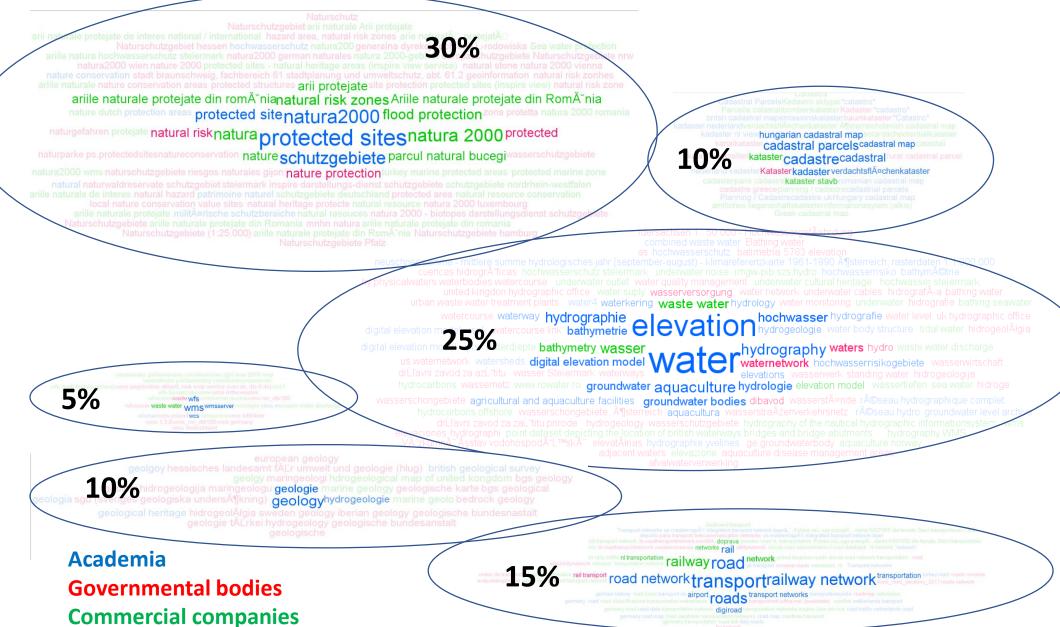




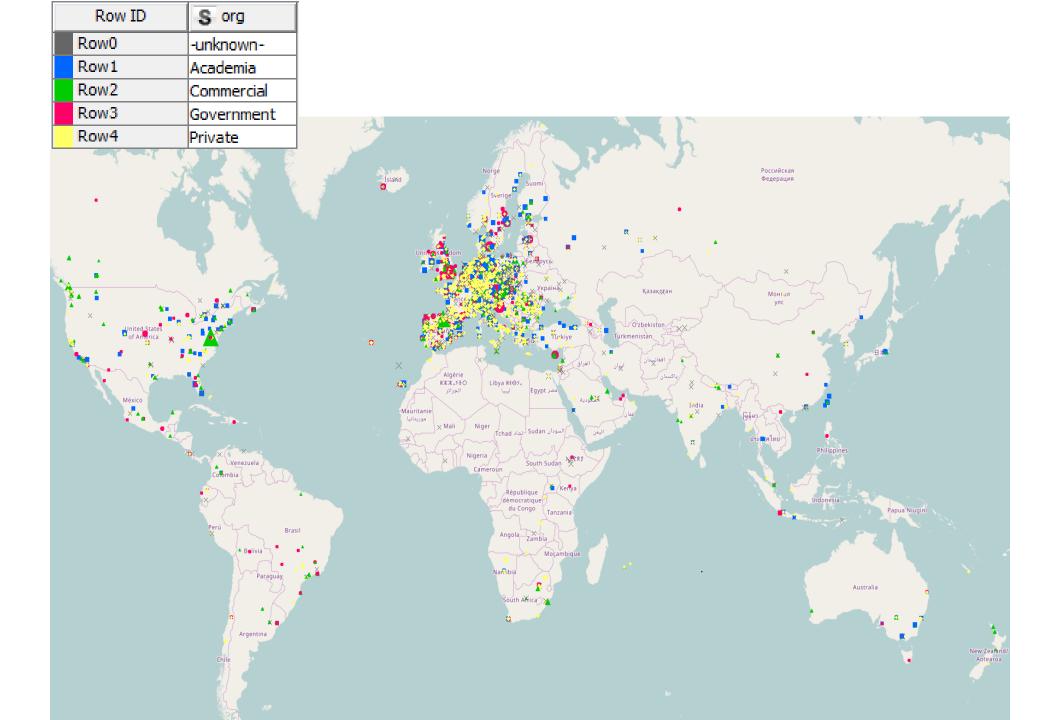


European geoportal main search clusters

cca 95% of all searches

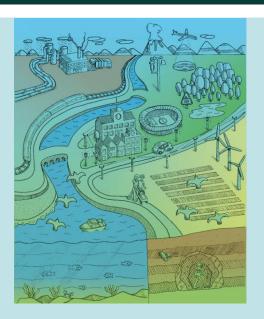






INSPIRE = pioneer in geospatial data interoperability in Europe

in force since 2007



INSPIRE
"lingua
franca" for
geospatial data

INSPIRE is to build an **EU-wide infrastructure for geospatial information** enabling:

- interoperability for public administration, businesses & citizens in support of the Digital Single Market
- e-reporting & Better Regulation in the env. domain
- **innovative applications** in other policy areas & cross border e.g. Intelligent Transport Systems, Energy efficiency, Disaster management..
- culture change in data management & provision practices in Public administration (all levels)



in close collaboration with all types of stakeholders

(e.g. communities of practice, legally mandated organizations, solution providers..)

Support to SMEs



Stakeholders engagement





- by Roberto Viola, Director General DG CONNECT – during INSPIRE Conference 2017 (6-8.9.2017)



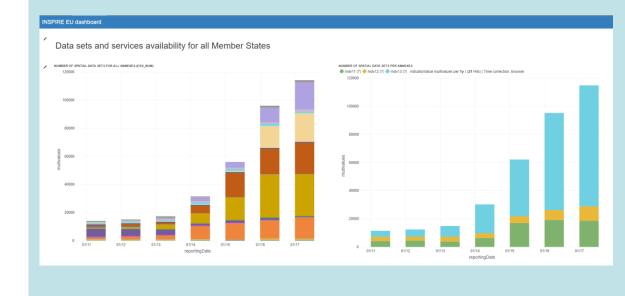


JRC TECHNICAL REPORTS

Summary Report on Status of implementation of the INSPIRE Directive in EU

Vlado Cetl, Vanda Nunes de Lima, Robert Tomas and Michael Lutz (DG IRC)

Joachim D'Eugenio, Adam Nagy and Joeri Robbrecht (DG ENV)





- Summary Report on Status of implementation of the INSPIRE Directive in EU has been prepared to highlight the overall implementation performance across Member States. The report combines the findings of the specific country fiches which have been based on:
 - the 2016 <u>tri-annual INSPIRE implementation reports</u> and action plans for future development
 - the 2016 monitoring reports
 - <u>bilateral meetings</u> on the implementation of the INSPIRE Directive between the Commission and most of the Member States
- It shows the progress in relation to the INSPIRE mid-term report and the REFIT evaluation which referred to the situation in 2013-15. The monitoring reports submitted by the Member States in May 2017 show further progress in some countries and areas

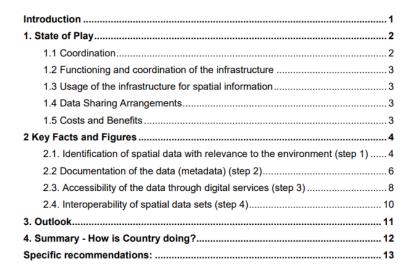


Country fiche – Croatia



Status of implementation of the INSPIRE Directive – 2016 Country Fiches

COUNTRY FICHE Croatia



4. Summary - How is Country doing?

INSPIRE key obligation	Overall implementation	Outlook	Dashboard Legend
	status and trend		Implementation Status:
Ensure effective coordination	⊕→	0	implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
Data sharing without obstacles	⊕→	0	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
Step 1: Identify spatial datasets	⊕→	0	ensure that the objectives of the legislation can still be reached by 2020. : implementation of this provision is
Step 2: Document datasets (metadata)	© 7	0	falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap. Trend:
Step 3: Provide services for identified spatial datasets (discovery, view, download)	⊕→	0	 7: the trend of the implementation is positive. 2: the trend of the implementation is neutral. 3: the trend of the implementation is
Step 4: Make spatial datasets interoperable by aligning them with the common data models.	⊗→	0	negative. Outlook: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. 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. no actions have been identified to overcome identified implementation gaps.



Table 3. Ensure effective coordination

**				
	MS	Overall implementation status and trend	Outlook	Dashboard Legend
	AT	⊕71	0	
	BE	⊕71	0	Implementation Status:
	BG	⊕→	0	
	HR	⊕→	0	: implementation of this provision is well
	CY	⊜ 7	0	advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
	CZ	⊕71	0	: implementation of this provision has started
	DK	⊕71	0	and made some progress but is still far from being
	EE	⊜71	0	complete. Outstanding issues are significant and need to be addressed to ensure that the objectives
	FI	⊕71	0	of the legislation can still be reached by 2020.
	FR	⊕→	0	: implementation of this provision is falling
	DE	⊕71	0	significantly behind or has not even started. Serious
	EL	⊕→	0	efforts are necessary to close implementation gap.
	HU	⊕→	0	
	IE	⊜71	NA	Trend:
	IT	⊜ 7	0	7: the trend of the implementation is positive.
	LV	© 77	0	→: the trend of the implementation is neutral.
	LT	© 71	0	3: the trend of the implementation is negative.
	LU	⊕71	0	The trend of the implementation is negative.
	MT	⊕71	0	Outlook:
	NL	© 71	0	
	PL	© 77	0	 clear and targeted actions have been identified which allow reaching the objectives of the legislation
	PT	© 71	0	in an effective way.
	RO	⊕→	0	O: No real progress has been made in the recent
	SK	© 77	0	past or actions which have been identified are not
	SI	© 7 1	0	clear and targeted enough to predict a more positive outlook.
	ES	© ≉	0	O: no actions have been identified to overcome
	SE	© 77	0	identified implementation gaps.
	UK	⊚7/	NA	

Table 4. Data sharing without obstacles

MS	Overall implementation status and trend	Outlook	Dashboard Legend	
AT	⊕ ∄	0		
BE	⊕ ∄	0	Implementation Status:	
BG	⊜ ∄	0	·	
HR	⊕→	0	implementation of this provision is well advanced or (nearly) completed. Outstanding issues	
CY	⊕ ∄	0	are minor and can be addressed easily.	
CZ	⊕→	0	implementation of this provision has started	
DK	⊕ ∄	0	and made some progress but is still far from being	
EE	⊕ ∄	0	complete. Outstanding issues are significant and need to be addressed to ensure that the objectives	
FI	⊕ ∄	0	of the legislation can still be reached by 2020.	
FR	⊕→	0	: implementation of this provision is falling	
DE	⊕ ∄	0	significantly behind or has not even started. Serious	
EL	⊕→	0	efforts are necessary to close implementation ga	
HU	⊕→	0]	
IE	⊕→	NA	 Trend: the trend of the implementation is positive. the trend of the implementation is neutral. the trend of the implementation is negative. 	
IT	⊕ ∄	0		
LV	⊕ 7	0		
LT	⊕ 7 7	0		
LU	⊕ ∄	0		
MT	⊜ ∄	0	Outlook:	
NL	⊕∄	0	Outlook:	
PL	⊕ ∄	0	 clear and targeted actions have been identified which allow reaching the objectives of the legislation 	
PT	⊕ ∄	0	in an effective way.	
RO	⊕→	0	O: No real progress has been made in the recent	
SK	⊕ ∄	0	past or actions which have been identified are not	
SI	⊕∄	0	clear and targeted enough to predict a more positive outlook.	
ES	©7	0	o: no actions have been identified to overcome	
SE	⊕ ∄	0	identified implementation gaps.	
UK	© 7	NA		



Table	5.	Identification	οf	spatial	datasets

-					
MS	Overall implementation status and trend	Outlook	Dashboard Legend		
AT	⊙7	0			
BE	⊙7	0	Implementation Status:		
BG	⊜ ∄	0			
HR	⊕→	0	implementation of this provision is well		
CY	⊕ ∄	0	advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.		
CZ	⊕→	0	: implementation of this provision has started		
DK	⊕ ∄	0	and made some progress but is still far from being		
EE	⊕ ∄	0	complete. Outstanding issues are significant and need to be addressed to ensure that the objectives		
FI	⊕ ∄	0	of the legislation can still be reached by 2020.		
FR	⊕→	0	: implementation of this provision is falling		
DE	⊕ 7 7	0	significantly behind or has not even started. Serior		
EL	⊕7	0	efforts are necessary to close implementation ga		
HU	⊕→	0	T		
IE	⊜71	NA	Trend:		
IT	⊕71	0	7: the trend of the implementation is positive.		
LV	⊕→	0	→: the trend of the implementation is neutral.		
LT	⊕7	•	3: the trend of the implementation is negative.		
LU	⊕71	0	Outlook:		
MT	⊕71	0			
NL	⊕71	0			
PL	⊙71	0	clear and targeted actions have been identified which allow reaching the objectives of the legislation		
PT	⊕77	0	in an effective way.		
RO	⊕7	0	O: No real progress has been made in the recent		
SK	⊕71	0	past or actions which have been identified are not		
SI	⊕7	clear and targeted enough to predict a more pos outlook.			
ES	⊕7	0	O: no actions have been identified to overcome		
SE	⊕7	0	identified implementation gaps.		
UK	⊕ ∄	NA			

__Table 6. Documentation of datasets and services (metadata)

F				
MS	Overall implementation status and trend	Outlook	Dashboard Legend	
AT	⊙7	0		
BE	⊕ ∄	0	Implementation Status:	
BG	⊜ ∄	0	· .	
HR	⊕ ∄	0	implementation of this provision is well	
CY	⊕→	0	advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.	
CZ	⊕ ∄	0	: implementation of this provision has started	
DK	⊕ ∄	0	and made some progress but is still far from being	
EE	⊕ ∄	0	complete. Outstanding issues are significant and need to be addressed to ensure that the objectives	
FI	⊕ ∄	0	of the legislation can still be reached by 2020.	
FR	⊕ 7	0	: implementation of this provision is falling	
DE	⊕ 7	0	significantly behind or has not even started. Seriou	
EL	⊕7	0	efforts are necessary to close implementation gap.	
HU	⊕71	0		
IE	⊕→	NA	Trend:	
IT	©7	0	7: the trend of the implementation is positive.	
LV	⊕→	0	+: the trend of the implementation is neutral.	
LT	⊕#	0	3: the trend of the implementation is negative.	
LU	©7	0	- are dend of the implementation is negative.	
MT	⊕77	0	Outlook:	
NL	© 7 7	•		
PL	⊕ 7 7	0	o: clear and targeted actions have been identifie which allow reaching the objectives of the legislatio	
PT	⊕ ∄	0	in an effective way.	
RO	⊕7	0	O: No real progress has been made in the recent	
SK	⊕71	0	past or actions which have been identified are no clear and targeted enough to predict a more positive outlook. O: no actions have been identified to overcom identified implementation gaps.	
SI	⊕ ∄	0		
ES	⊕→	0		
SE	©7	0		



Table 7. Provision of services for identified spatial datasets (discovery, view, download)

MS	Overall implementation status and trend	Outlook	Dashboard Legend	
AT	⊙7	0		
BE	⊕ ∄	0	Implementation Status:	
BG	⊕ 7	0	·	
HR	⊕→	0	implementation of this provision is well	
CY	⊜ ∄	0	advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.	
CZ	⊕ ≇	0	: implementation of this provision has started	
DK	⊕→	0	and made some progress but is still far from being	
EE	97	0	complete. Outstanding issues are significant and need to be addressed to ensure that the objectives	
FI	⊕→	0	of the legislation can still be reached by 2020.	
FR	⊕71	0	: implementation of this provision is falling	
DE	⊕77	0	significantly behind or has not even started. Serious	
EL	⊗→	0	efforts are necessary to close implementation gap.	
HU	⊕→	0	Trend:	
IE	⊕→	NA	Trend:	
IT	⊕→	0	7: the trend of the implementation is positive.	
LV	⊗⊿	0	→: the trend of the implementation is neutral.	
LT	⊕71	0	3: the trend of the implementation is negative.	
LU	⊕→	0	a. the trend of the implementation is negative.	
MT	⊕71	0	Outlook:	
NL	⊕71	0		
PL	⊕71	0	clear and targeted actions have been identified which allow reaching the objectives of the legislation	
PT	⊗→	0	in an effective way.	
RO	⊕71	0	O: No real progress has been made in the recent	
SK	⊕→	0	past or actions which have been identified are not clear and targeted enough to predict a more positive	
SI	⊕→	0	outlook.	
ES	⊗→	0	O: no actions have been identified to overcome	
SE	⊕ 77	0	identified implementation gaps.	
UK	⊕77	NA		

Table 8. Provision of interoperable spatial datasets

MS	Overall implementation status and trend	Outlook	Dashboard Legend		
AT	⊕ 7	0			
BE	⊕ ∄	0	Implementation Status:		
BG	⊕ ∄	0			
HR	⊗→	0	implementation of this provision is well advanced or (nearly) completed. Outstanding issues		
CY	⊕→	0	are minor and can be addressed easily.		
CZ	⊕ 7	0	: implementation of this provision has started		
DK	⊕→	0	and made some progress but is still far from being		
EE	⊕ ∄	0	and made some progress but is still far from being		
FI	⊕ ∄	0	of the legislation can still be reached by 2020.		
FR	⊕ 7	0	implementation of this provision is falling		
DE	⊕ ∄	0	significantly behind or has not even started. Serious		
EL	⊕→	0	efforts are necessary to close implementation gap.		
HU	⊕ ∄	0			
IE	⊜ ∄	NA	Trend:		
IT	⊕71	0	7: the trend of the implementation is positive.		
LV	⊕→	0	→: the trend of the implementation is neutral.		
LT	97	0	3: the trend of the implementation is negative.		
LU	⊕71	0	The trend of the implementation is negative.		
MT	⊕→	0	Outlook:		
NL	⊕ 7	0			
PL	⊕71	0	clear and targeted actions have been identified which allow reaching the objectives of the legislation		
PT	⊕ ∄	0	in an effective way.		
RO	⊕ ∄	0	O: No real progress has been made in the recent		
SK	⊕→	past or actions which have been identified are not			
SI	⊕71	0	clear and targeted enough to predict a more positive outlook.		
ES	⊕ 7	0	O: no actions have been identified to overcome		
SE	⊕71	o identified implementation gaps.			



- The number of reported spatial data sets and services slowly but steadily increases. More than
 90% of spatial data sets are reported by only 5 countries. The identification of spatial data could
 further improve by identifying and documenting spatial data sets required under the reporting and
 monitoring regulations of EU environmental law.
- The documentation of data and services is constantly improving. Overall, **87%** of the metadata for data sets and network services conforms to the INSPIRE metadata specifications.
- The accessibility of digital spatial data through view and download services is evolving slowly and needs further improvement. More than 40.000 view services and more than 30.000 download services are available. More than 80% of these spatial data services are reported by only 2 countries and many of the identified spatial data sets are still not accessible through the services. The overall technical conformity of the existing services is more than 50 %, which is low and should be also further improved.
- Almost 14.000 data sets were reported by the Member States to be conformant to the INSPIRE interoperability specifications. It shows that Member States already started preparations to meet 2017 and 2020 data interoperability deadlines. However, significant efforts will still be needed by all Member States in order to meet these upcoming obligations.



REFIT on INSPIRE = INSPIRE Thematic Viewer

Priority datasets for e-Reporting



MS "benchmarking"

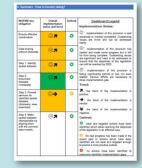


- Simplified MS data access & use
- Better Regulation in e-reporting
 re-use of INSPIRE
- Application of advanced ICT methods & tools
- The impressive number of MD records ≠ the number of downloadable data
- Tool to communicate INSPIRE

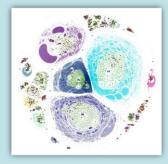


Hiding complexity max. benefits for all

Progress monitoring



Content visualisation

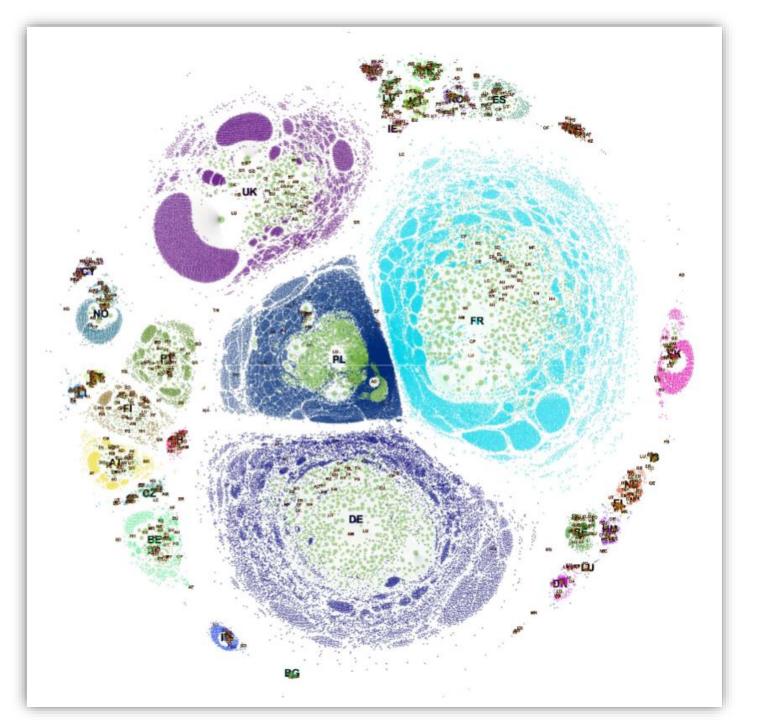




Nr. of MS Datasets – 115 000+ Nr. of MS View services – 24 000+ Nr. of MS Download services – 22 000+









INSPIRE's not complicated ... it's just complex

... like most things, when you break them down



Hvala na pažnji



Pitanja?

vlado.cetl@ec.europa.eu

Interoperability is better achieved by



...sharing solutions in a collaborative way

