

### MIWP Action 2.4 Central INSPIRE Infrastructure Components

### **INSPIRE** Geoportal

**JRC INSPIRE Team** 

71st MIG-T meeting – October 7st, 2022



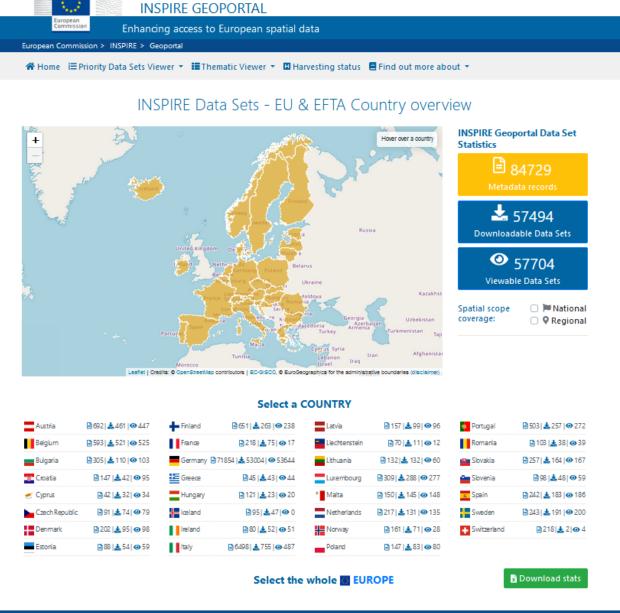


## INSPIRE Geoportal Revamp

https://inspiregeoportal.ec.europa.eu

Main access point to INSPIRE Infrastructure tools and resources.

- Based on own development.
- Main focus: INSPIRE M&R.
- Being revamped using a GeoNetwork-based backend.



INSPIRE Geoportal Version: 1.6.2

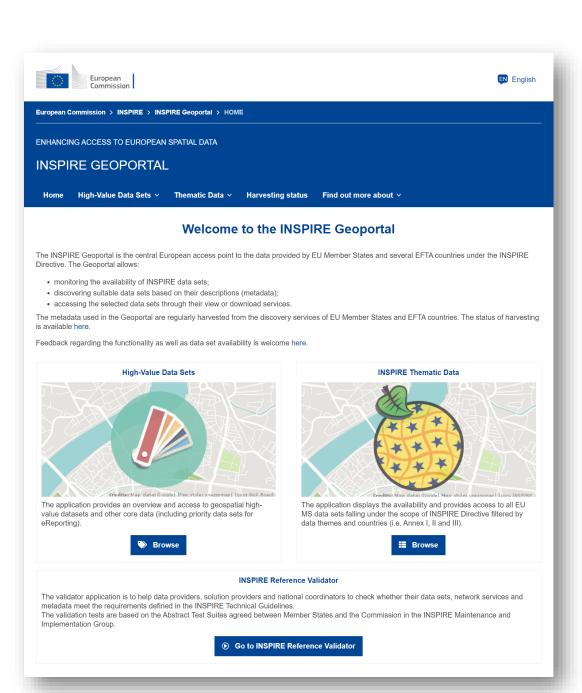
#### INSPIRE Geoportal Revamp – User interface

#### User interface

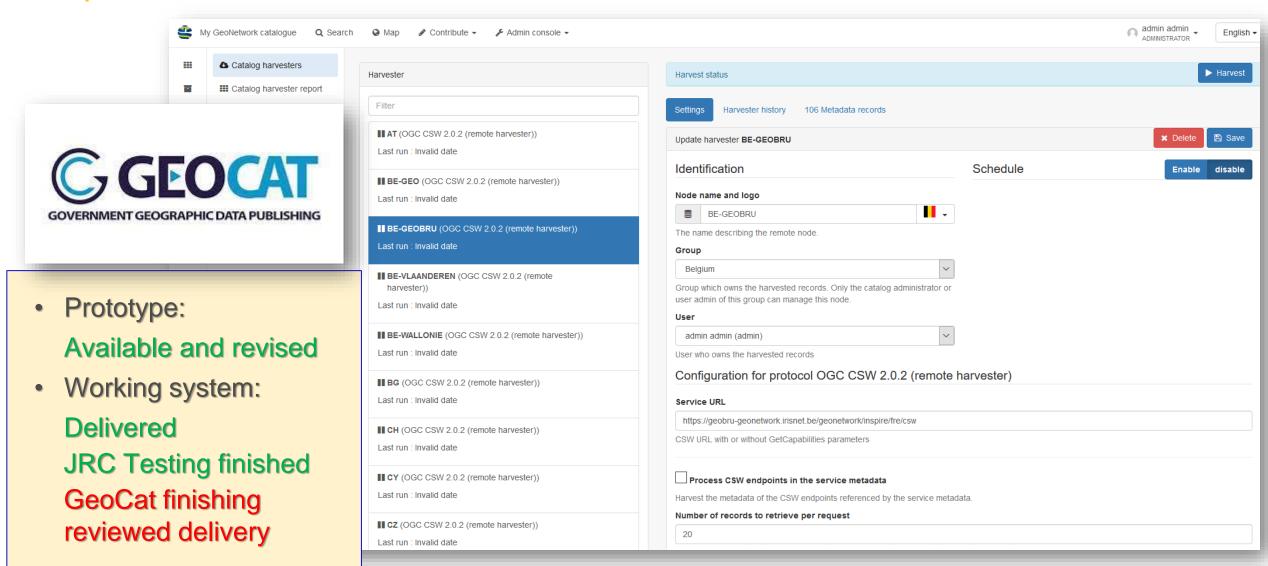
 Available – Filtering by High Value Datasets (HVDs).

To be launched when the Implementing Act on HVDs is entering into force.

 Almost finished – Additional developments to integrate the new user interface with the new backend: GeoNetwork.



# INSPIRE Geoportal Revamp – Backend: GeoNetwork (AWS cloud)



### INSPIRE Geoportal beta-testing Overview

70 MIG-T – Beta-testing plan announcement.

7<sup>th</sup> July 2022

1st Training session - Revamped INSPIRE Geoportal backend.

15<sup>th</sup> July 2022

Ad-hoc Online Survey (beta-testing feedback).

22<sup>nd</sup> July 2022 - 15<sup>th</sup> October 2002

2nd Q&A Training session - Revamped INSPIRE Geoportal backend.

5<sup>th</sup> October (today)

3rd Training session – Revamped INSPIRE Geoportal (backend + frontend/UI).

Beginning November 2022

INSPIRE Geoportal revamp.

End November 2022

M&R round 2022.

15<sup>th</sup> December 2022



### INSPIRE Geoportal backend beta-testing Participation and scope

- The JRC harvested all national endpoints, obtaining global results (34 endpoinds).
- Countries that requested participation in beta-testing:
  - AT, BE (4), CH, CZ, DE, EE, EL, ES, FI, HR, IT, LU, MT, NL, PL, PT, SK (20 endpoints).
- MS / EFTA countries testing representativeness: 59%
- Is also requested to participate today!



#### Preliminary results

Participant in beta-testing & survey Requested participation in beta-testing

Equal result Decreased result

Improved result

Non successful harvest

	OLD GEOPORTAL				NEW GEOPORTAL (AWS)								
COUNTRY	Harvest date	N. dataset metadata	N. series metadata	N. service metadata	N. viewable datasets	N. downloadable datasets	Harvest date	N. metadata records	N. dataset metadata	N. series metadata	N. service metadata	N. viewable datasets	N. downloadable datasets
AT	29/09/2022	713	0	617	500	482	23/09/2022	1329	712	0	617	486	671
BG	20/09/2022	175	0	38	20	85	23/09/2022	219	176	0	38	79	79
СН	20/09/2022	207	3	34	4	0	23/09/2022	255	209	3	34	4	EMPTY
CY	16/09/2022	42	0	61	36	35	23/09/2022	103	42	0	61	37	37
CZ	15/09/2022	66	25	195	78	74	23/09/2022	286	66	25	195	77	60
DK	22/09/2022	203	0	246	100	96	23/09/2022	451	205	0	246	93	100
EE	05/09/2022	87	1	113	55	54	23/09/2022	208	88	1	119	59	59
EL	19/09/2022	45	0	98	39	42	23/09/2022	143	45	0	98	44	43
ES	16/09/2022	240	1	302	170	174	23/09/2022	543	240	1	302	200	164
FI	19/09/2022	567	67	218	230	258	23/09/2022	855	567	67	218	232	267
FR	20/09/2022	167	54	54	13	49	23/09/2022	275	167	54	54	39	3
HR	19/09/2022	134	17	235	94	38	04/10/2022	386	134	17	215	99	38
HU	19/09/2022	119	0	63	12	16	23/09/2022	189	110	0	59	17	19
IE	26/09/2022	74	0	21	45	51	23/09/2022	103	80	0		51	60
IS	16/09/2022	95	0	27	0	16	30/09/2022	123	95	0	28	EMPTY	EMPTY
LT	10/08/2022	132	0	122	60	92							
LV	21/09/2022	156	1	240	96	99	23/09/2022	397	156	1	240	93	88
LU	20/09/2022	308	0			259	23/09/2022	367	308	0		270	289
u	19/09/2022	72	0	3	12	11	23/09/2022	74	71	0		11	11
MT	16/09/2022	150	0	150	148	145	04/10/2022	300	150	0	150	148	143
NL	08/09/2022	206	1	350	130	124	23/09/2022	568	205	1	362	136	122
NO	20/09/2022	138	5	240	28	72			138	5	240	28	59
PL	16/09/2022	143	4	246		87							
PT	03/10/2022	496	5	524		243			496	5	524	363	317
RO	17/03/2022	102	1	76		35			106	1	76	34	35
SE	23/09/2022	243	0			196			243	0		181	186
SI	12/06/2022	98	0	131		47	23/09/2022		94	0		50	48
SK	16/09/2022	124	2	97		18	23/09/2022	683	265	2	416	172	119
DE	27/09/2022	79191	697	142000		61364	27/09/2022		79110	696	142178	53804	12990
BE 1 (Federal)	19/09/2022	89	0			74			89	0		72	74
BE 2 (Geobru)	27/09/2022	56	0			38	29/09/2022		56	0		44	56
BE 3 (Wallonie)	20/09/2022	122	40	43		145		204	122	39	43	157	159
E 4 (MD Vlaan.	20/09/2022	251	20	96	236	87	04/10/2022		258	20	96	247	163
IT	20/09/2022	6524	143	2076		780	24/09/2022		6524	143	2076	565	480

#### **INSPIRE** Geoportal backend beta-testing

### Preliminary results

Legend:

Participant in beta-testing & survey
Requested participation in beta-testing
Rate > = 1.05
1.00 <= Rate < 1.05
0.95 <= Rate < 1.00
Rate <= 0.95
Data equal to zero or not available.

		NEW INS-GPT / OLD INS-GPT					
COUNTRY	dsMD	srMD	sMD	vS.	dS		
Austria (AT)	1.00		1.00	0.97	1.39		
Bulgaria (BG)	1.01		1.00	3.95	0.93		
Switzerland (CH)	1.01	1.00	1.00	1.00			
Cyprus (CY)	1.00		1.00	1.03	1.06		
Czech Republic (CZ)	1.00	1.00	1.00	0.99	0.81		
Denmark (DK)	1.01		1.00	0.93	1.04		
Estonia (EE)	1.01	1.00	1.05	1.07	1.09		
Greece (EL)	1.00		1.00	1.13	1.02		
Spain (ES)	1.00	1.00	1.00	1.18	0.94		
Finland (FI)	1.00	1.00	1.00	1.01	1.03		
France (FR)	1.00	1.00	1.00	3.00	0.06		
Croatia (HR)	1.00	1.00	0.91	1.05	1.00		
Hungary (HU)	0.92		0.94	1.42	1.19		
Ireland (IE)	1.08		1.10	1.13	1.18		
Iceland (IS)	1.00		1.04				
Lithuania (LT)	0.00		0.00	0.00	0.00		
Latvia (LV)	1.00	1.00	1.00	0.97	0.89		
Luxembourg (LU)	1.00		1.00	1.05	1.12		
Liechtenstein (LI)	0.99		1.00	0.92	1.00		
Malta (MT)	1.00		1.00	1.00	0.99		
Netherlands (NL)	1.00	1.00	1.03	1.05	0.98		
Norway (NO)	1.00	1.00	1.00	1.00	0.82		
Poland (PL)	0.00	0.00	0.00	0.00	0.00		
Portugal (PT)	1.00	1.00	1.00	1.33	1.30		
Romania (RO)	1.04	1.00	1.00	1.03	1.00		
Sweden (SE)	1.00		1.00	0.99	0.95		
Slovenia (SI)	0.96		1.00	0.88	1.02		
Slovakia (SK)	2.14	1.00	4.29	5.93	6.61		
Germany (DE)	1.00	1.00	1.00	0.87	0.21		
Belgium 1 (Federal)	1.00		1.00	1.00	1.00		
Belgium 2 (Geobru)	1.00		1.00	1.00	1.47		
Belgium 3 (Wallonie)	1.00	0.98	1.00	1.00	1.10		
Belgium 4 (MD Vlaanderen)	1.03	1.00	1.00	1.05	1.87		
Italy (IT)	1.00	1.00	1.00	1.08	0.62		



## INSPIRE Geoportal backend beta-testing Preliminary conclusions

- Lithuania and Poland harvest are not running due to particular specificities in the national infrastructures – Bilateral meetings required.
- Slovakia: Nice unrealistic results due to coincidence of a unfortunate harvest with the Old Geoportal, used in comparison.
- Anomaly detected on indicators for download services (e.g. FR, DE, IT)
  - Need to jointly improve the system.
- Interesting to get feedback from MS/countries on which technologies are they specifically using for implementing download services.
- Other bilaterals will be offered to MS/countries to focus improvement.



## INSPIRE Geoportal backend beta-testing Survey

Survey URL:

https://ec.europa.eu/eusurvey/runner/INS-GPT-Backend-Beta-testing

Participants: 10 endpoints till 4<sup>th</sup> October 2022.

AT, BE, DE, EL, FI, HR, NL, PL, PT, SK.

Started:

22<sup>nd</sup> July 2022

Finished:

15<sup>th</sup> October 2002



# INSPIRE Geoportal backend beta-testing Survey results

#### Evaluation

		Evaluation					
		Functionality	Usability	Performance	Improvement		
NL	the Netherlands	Enough	Low	Enough	Roughly the same		
NE	Belgium	Enough	Enough	Enough	No, slightly worse		
AT	Austria	Enough	High	High	No, slightly worse		
SK	Slovakia	Good	Enough	Enough	Yes, slightly better		
FI	Finland	Good	Enough	Enough	Yes, slightly better		
EL	GREECE	Good	Low	Very high	No, slightly worse		
HR	Croatia	Enough	Enough	Enough	Roughly the same		
DE	Germany	Good	High	Enough	Yes, a lot better		
PT	Portugal	Good	High	Very high	Yes, a lot better		
PL	Poland	Good	High	High	Yes, slightly better		



### **INSPIRE Geoportal**Beta testing - Trainings

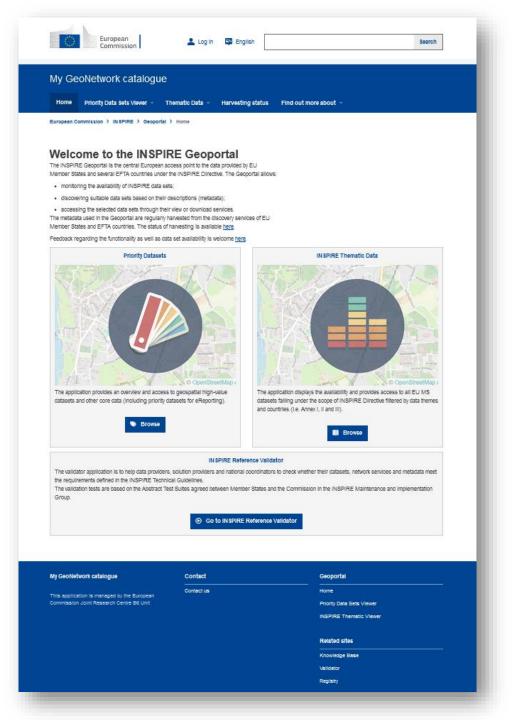
- 1st short training session (~1 hour) to allow them use the harvester, explore and test it.
  - Using GeoNetwork Sandbox instance.
  - 15<sup>th</sup> July 2022 Video recording:
     <a href="https://jrcbox.jrc.ec.europa.eu/index.php/s/VaJ6kfOpFpLqNQO">https://jrcbox.jrc.ec.europa.eu/index.php/s/VaJ6kfOpFpLqNQO</a>
- 2<sup>nd</sup> Training session (~2 hours) Overview and analysis of survey results + Q/A session.
  - Using the new INSPIRE Geoportal AWS cloud instance.
  - 5<sup>th</sup> October 2022 Video recording:
     <a href="https://jrcbox.jrc.ec.europa.eu/index.php/s/Yen3R5fRxYignEu">https://jrcbox.jrc.ec.europa.eu/index.php/s/Yen3R5fRxYignEu</a>
- Closing Ad-hoc Online Survey to provide feedback on beta-testing.
  - 15th October 2002
- 3<sup>rd</sup> Training session (~4 hours) Full training on revamped INSPIRE Geoportal.
  - Using the new INSPIRE Geoportal AWS cloud instance.
  - Including: Backend + Geoportal UI & Publication System.
  - TBD Beginning November 2022



## INSPIRE Geoportal Revamped User Interface

#### Demonstration

- Ready. Performing final quality checks.
- Working in final integration with the revamped backend (GeoNetwork) in AWS instance.



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