

# Some history and activites ahead

Where we are after 12 years of INSPIRE implementation

- Different speeds and engagement in Member States
- An EU INSPIRE Geoportal with ca. 155.000 metadata records and 11900 downlaodable data sets

What has been initiated under the INSPIRE Multiannual Implementation Work Programme until 2020/21

- Various actions to increase data sharing and (technical) flexibility
- Focus on environment eReporting as an (authoritative) use case
- Start identifying pan-European datasets as further drivers



# **INSPIRE MIWP 2016.5 work programme**

### 1. Manage and update the priority list of eReporting datasets (environment legislation)

clearly identify the concrete datasets which are to be provided by the MS.

Start with "as-is" data

Publish priority dataset version 2 <a href="https://ies-svn.jrc.ec.europa.eu/projects/2016-5/wiki/">https://ies-svn.jrc.ec.europa.eu/projects/2016-5/wiki/</a>

### 2. Make data available as is

MS have been asked to – voluntarily – make available data covered by INSPIRE "as-is" and identified in the priority dataset list from 15.5.2018 onwards in the INSPIRE Geoportal



# **INSPIRE MIWP 2016.5 work programme**

3. Common and interoperable European data models per reporting obligation/data flow that are fit for purpose for the envisaged use case built upon INSPIRE

Areas currently addressed are commonly designated areas (CDDA), EU-Registry as part of the Industry Emissions Directive (IED), Marine Strategy Framework Directive (MSFD)

Work is starting on noise (END), floods (FD), invasive alien species (IAS)

4. Monitoring the availability of priority datasets as precursor for pan-European datasets

Through the (new) dedicated INSPIRE viewer\* accessing the INSPIRE Geoportal content



<sup>\* &</sup>lt;a href="http://inspire-geoportal.ec.europa.eu/pdv">http://inspire-geoportal.ec.europa.eu/pdv</a> home.html

# Priority Data Sets - EU & EFTA Country overview\* http://inspire-geoportal.ec.europa.eu/\_





\* status 19.3.2019

#### Select a COUNTRY





# Focus: access to datasets – which is still difficult

Coun try	MD	DS	vs	No datasets	Only metad ata *	If any of service type is missing **	Low degree of accessibility (average < 50%) ***	Medium degree of accessibility (average 50%-90%) ****	High degree of accessibility (90%-100%) *****	Degree of accessibility all PDS
AT	74	63	68					****		****
BE	101	28	57				***			***
BG	0	0	0	NO PDS						NO PDS
HR	14	1	3				***			***
CY	5	5	1					****		****
CZ	39	5	37					****		****
DK	39	5	5				***			***
EE	21	1	1				***			***
FI	20	15	13					****		****
FR	117	0	0		*					*
DE	65	29	15				***			***
EL	38	31	31					****		****
HU	13	0	0		*					#
IS	2	2	0			**				**
IE	9	0	0		*					#
IT	16	0	1			**				**
LV	0	0	0	NO PDS						NO PDS
LI	0	0	0	NO PDS						NO PDS
LT	0	0	0	NO PDS						NO PDS
LU	66	66	56						****	****
MT	54	52	54						****	****
NL	42	25	26					****		****
NO	12	1	1				***			***

Coun	MD	DS	vs	No datasets	Only metad ata *	If any of service type is missing **	Low degree of accessibility (average < 50%) ***	Medium degree of accessibility (average 50%-90%) ****	High degree of accessibility (90%-100%) *****	Degree of accessibility all PDS
PL	1	0	0		*					*
PT	134	27	79				***			***
RO	21	10	1				***			***
SK	12	2	5				***			***
SI	4	1	0			**				**
ES	81	80	81						****	*****
SE	30	6	23				***			***
СН	0	0	0	NO PDS						NO PDS
UK	0	0	0	NO PDS						NO PDS

Source: INSPIRE Geoportal, 27.02.2019

#### Legend

High degree of accessibility (90%-100%) (\*\*\*\*\*)

Medium degree of accessibility (average 50%-90%) (\*\*\*\*)

Low degree of accessibility (average < 50%) (\*\*\*)

If any of service type is missing (\*\*)

Only metadata (\*)

No priority datasets



# Next steps regarding environmental eReporting datasets

Stepwise - based on user needs - identify pan-European datasets built from them

Prioritise data with reference data function

Focus on datasets to which the INSPRIE data models have been applied (PDS task 3)





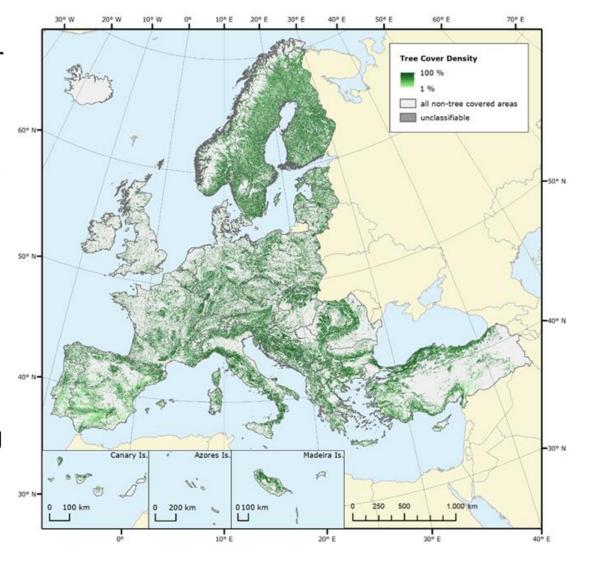
## Copernicus and INSPIRE — proof of concept

Copernicus can benefit from the Member States' implementation of INSPIRE.

The EEA has made an effort to verify how feasible it is to prepare INSPIRE (Annex I) data for use by Copernicus.

'Administrative Units' was chosen as a (simple) test case.

Another test case dealing with HY and BU is on-going.











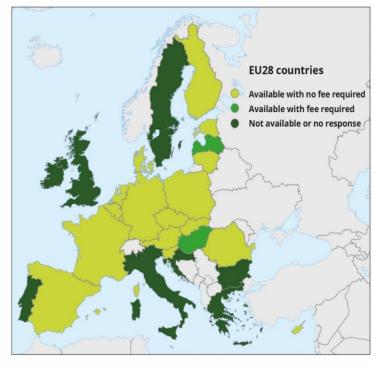
### Access to data

In November 2018 only AU datasets from 20 countries were available.

Despite the complex INSPIRE implementation conformance makes the use of the data and information easy.



Full dataset including 'close to INSPIRE data'.



The analysis was completed by the CORDA Team (Geograma) November 2018









### A new test case on HY and Bl

### We are aiming at:

- Creating multi-country datasets from the national/regional harmonised datasets discoverable in the INSPIRE Geoportal;
- Overcoming the current data accessibility issues, e.g. availability of services and data usability restrictions;
- Streamlining the ingestion of national/regional datasets into a multi-country database, benefitting from the progressive implementation of INSPIRE by the data providers.





### Discoverable HY & BU datasets





30 | ± 8 | ⊕ 6 19 | ± 5 | ⊕ 5 135 | ± 2 | ⊕ 5

10 | ± 0 | ⊕ 6 16 | ± 0 | ⊕ 0



Data Sets - Buildings of Europe 1

- Number of downloadable datasets is low, but progressively increasing;
- In some cases, we are able to locate additional downloadable datasets.



Austria	2   ₺1   ❷2	Finland	38   ₺ 0   • 2	Latvia	B7  ±0  ❷0	Portugal	11   1   0 0
Belgium	₽7   ±3   ⊕ 5	France	🗎 403   🛓 18   🧼 44	Liechtenstein	A1 ±0 @0	Romania	12 ±0 ⊕0
Bulgaria	00 ±0 ⊕0	Germany	1 88   ± 26   ● 31	Lithuania	B1 ±0 ⊕0	Slovakia	B3 ±0 ⊕0
Croatia	10   ± 0   → 0	Greece	0 ±0 ∞0	Luxembourg	□ 20   ± 20   → 19	Slovenia	3 ±1 ⊕2
€ Cyprus	11 40 0 0 1	Hungary	10   ± 0   ⊕ 0	* Malta	B1 ±0 ⊕1	Spain	B4 ±1 ⊕3
Czech Republic	<pre>4   ± 1   ⊕ 2</pre>	Iceland	<u>@</u> 2  <b>±</b> 0  <b>⊕</b> 0	Netherlands	□ 2   ± 2   ⊕ 2	Sweden	1 2   ± 0   ⊕ 0
Denmark	월4  ★1  ❷2	Ireland	1 2   ₺ 0   ❷ 0	Norway	13   ₺ 1   ❷ 0	Switzerland	B6 ≛0 ⊛0

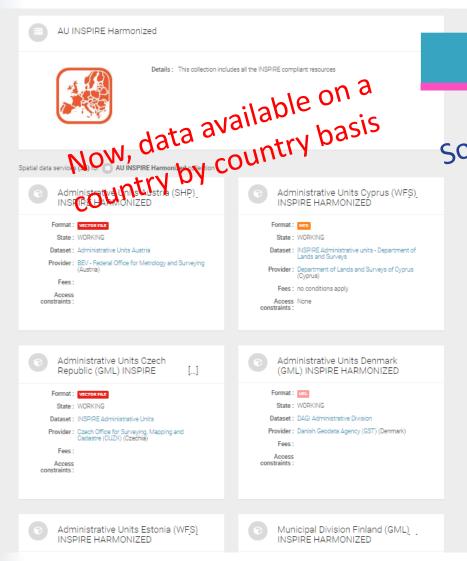


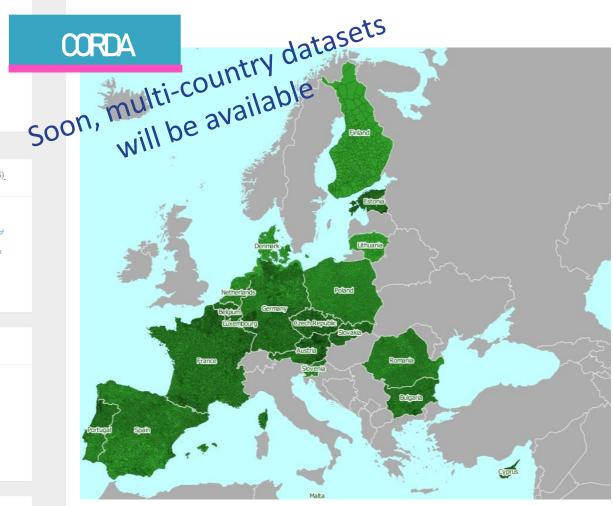






# Copernicus services' access





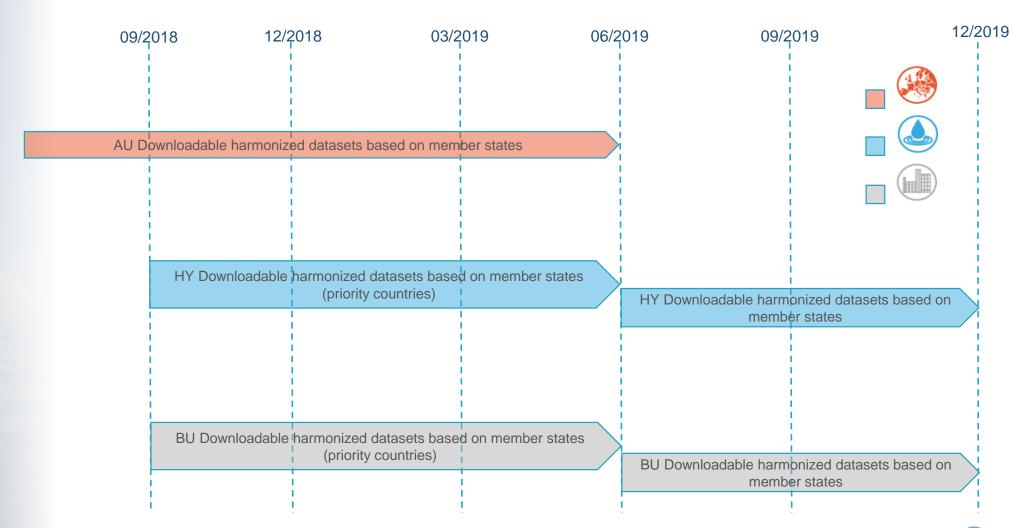








## Timeline for multi-country products









## Conclusions

Various activities to build pan-European datasets are under way (but not yet completed)

- UNGGIM core data recommendation
- ESTAT/GISCO activities on transport (railways), geographic names, addresses, local admin. units
- INSPIRE Coordination team (ENV, EEA, JRC) work with Member States on priority datasets in environment eReporting
- Copernicus in-situ coordination activities

National datasets become increasingly available but access conditions and data quality are still very hetergeneous

