Survey on best practises of automated generation of WMS and WFS map services

Statistisk sentralbyrå
Statistics Norway

Name and fame

(18 respondents)

Austria
Denmark
Estonia
Eurostat
Finland
Germany
Latvia
Lithuania
Norway
Poland
Portugal
Romania
Slovenia
South Africa
Spain
Sweden
The Netherlands
United Kingdom

Survey content

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8. Other services
9. Future plans

Open data level

Open data can be ranked at 5 star levels. What is the open data ranking level of the tabular data used for your mapping?

On the web	**12**		1		1	1	1	1		1	1		1	1	1	1	1		
Machine readable	**9**		1		1	1		1			1		1	1	1		1		
Non-proprietary format	**14**	1	1	1	1	1		1	1	1	1	1	1	1				1	1
RDF standards	**1**	1																	
Linked RDF	**0**																		

Data formats used

What formats are used
(Eg. just xls download or Odata protocols with Json and XML as output or protocols used by Eurostat (REST and SOAP) with output format SDMX)?

csv or xls download	**14**	1	1		1	1		1	1	1	1	1	1	1	1	1		1	
Odata / Json and XML	**4**	1			1							1							1
REST&SOAP / SDMX	**5**	1	1		1			1			1								
RDF	**0**																		
Other (please specify):	**11**			1		1	1	1		1	1	1	1		1	1	1		

OTHER:
jsonstat, sdmxml, dstml, tsd, xlsx, csv, txt, json, sdmx, gml
px-web exports (px, htm, dbf, xml)
Shape (shp) to download
GenML (GENESIS Markup Language)

Linked data

**If you are not using Linked data,
are you intending to use Linked data in the future?**

No	**7**			1	1			11					1	1	1		
Yes (year)	**9**	2018	20XX			2018	20XX				20XX	20XX	2018 2020				2017	2022 2027

COMMENTS:
IGALOD EU Grant is most likely starting on the beginning of 2018.
The project aims to create system for areal classifications and geospatial data to be used as LOD.
Linked data has been used internally in data production processes.

INSPIRE harmonisation

Do you agree with the next statement concerning INSPIRE themes Population Distribution (PD) and Human Health (HH) :

”*One of the INSPIRE goals is interoperability of geodata across boarders in Europe. In order to do that, you need semantically and technically harmonized and machine readable data. The SDMX files as the member states deliver to Eurostat fulfil these requirements. Therefore, there is no need to again harmonize this data into the data models as described in the INPIRE data specifications for the themes Population Distribution (PD) and Human Health (HH). Not doing this would save the NSI’s of the member states a lot of money. INSPIRE goals can still be reached by joining these SDMX files to harmonized Statistical Units, most preferably by means of an automated mapping procedure like mentioned in this survey. Only for new deliveries like the census 1km2 grid, it makes sense to use the INSPIRE models for PD and HH, but then we should still use the SDMX encoding, since we are familiar with them*.”

Yes to SDMX	**9**	1		1	1					1	1		1		1			1	1
No	**0**																		
Partly	**8**		1			1	1	1	1					1		1	1		

Automated geoservice

Do you use an automated updating of geoservice now?

Yes	**4**		1	1													1	1	
No	**11**	1			1	1		1	1	1	1	1	1	1	1				
In test	**2**						1												1

SDMX services

Are you intending to use the SDMX services from Eurostat in combination with geometry for mapping purposes?

Yes	**3**				1					1					1				
No	**1**							1											
Don't know	**7**	1				1			1		1	1	1	1					

Summary

FROM COMMENTS :
We are not sure we understand the questions correctly...

...INSPIRE ...data specifications have to be generic by necessity to cover the diverse range of data publishing models and formats implemented at a national level.

It will ...never be possible for any INSPIRE model to meet the level of detail of the data already being supplied to Eurostat.

Besides the SDMX also the JSON services could be used

Develop the documentation on the process of creating the TJS service.

Promote the TJS as an regular extension on GeoServer.

It is important to develop further TJS to use other data types also.