Geoportal users perspective - demo of the possible issues when trying to find, view and use MS INSPIRE data

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The European Commission's science and knowledge service

Joint Research Centre

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European Commission

Usability of data sets in the INSPIRE Geoportal

- There are currently a number of potential barriers a user faces when searching for, accessing, viewing/downloading and using data sets on the INSPIRE Geoportal:
  - language barriers
  - absence of viewable and/or downloadable data sets
  - diversity of data licenses
  - data set protection – view services
  - data set protection – download services
  - license discrepancy between data set and service metadata
  - third-party contacts not reachable
  - multiple data sets for a single service

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Language barriers

- Metadata are available in a language that is not accessible to all users:

Hydrography Data sets in France

🇫🇷 📄 1313 | ⬇ 52 | 👁 162

Filters: ☐ Downloadable ☐ Viewable	☐ Show data with national coverage ⓘ
Title	**Properties**
🇫🇷 Points de prélèvement en eaux souterraines 049	📄 ⬇
🇫🇷 Points de prélèvement en eaux superficielles 049	📄 ⬇
🇫🇷 Points de vidange des plans d'eau 049	📄 ⬇
🇫🇷 Bassins versants Alimentation en Eau Potable 085	📄 ⬇
🇫🇷 ODyC Guyane, position du trait de côte du littoral guyanais en 1950	📄 ⬇
🇫🇷 ODyC Guyane, position du trait de côte du littoral guyanais en 1988	📄 ⬇
🇫🇷 ODyC Guyane, position du trait de côte du littoral guyanais en 1997	📄 ⬇
🇫🇷 Hydro-ecoregions de la Guyane (2005)	📄 ⬇
🇫🇷 ODyC Guyane, position du trait de côte du littoral guyanais en 2006	📄 ⬇
🇫🇷 Masses d'eau SDAGE 2010-2015 - masses d'eau cotières	📄 ⬇
Title	**Properties**

Show [10 ▾] entries   Showing 1 to 10 of 1,313 entries   Previous 1 2 3 4 5 ... 132 Next

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3

Language barriers

- Metadata are available in a language that is not accessible to all users:
    - hard to understand the content, the conditions for access and use, etc.

🇫🇷 📄 Tronçons

Download Options ▾

View Options ▾

Data set Metadata ▾

Resource Title

Tronçons

Resource Abstract

Ancien référentiel des voies d'eau, remplacé grâce au travail "tronçons refonte"

Lineage

Valeur par défaut : La géométrie initiale est issue du thème hydrographie de la BdCarto© IGN Valeur pour la DT Centre-Bourgogne : non renseigné Valeur pour la DT Strasbourg : La géométrie est issue du thème hydrographie de la BdCarto© IGN. Valeur pour la DT Nord-Est : vecteurs représentant les itinéraires des voies confiées en gestion à VNF DT NE, y compris les systèmes alimentaires et ouvrages connexes au voies naviguées, au sens des textes définissant le Domaine Public Fluvial, Pour la DT NE Valeur pour la DT Rhône Saône : non renseigné Valeur pour la DT Sud-Ouest : non renseigné Valeur pour la DT Bassin de la Seine : non renseigné Valeur pour la DT Nord-Pas-De-Calais : non renseigné

Unique Resource Identifier

Code: TRONCON

Reporting Tags

Conditions Applying To Access And Use

PROD_Une convention d'échange de données numériques sera à signer avec l'établissement. Elle définit les conditions générales de mise à disposition et d'utilisation de la donnée. Pour plus d'informations, contacter VNF à l'adresse contact.sigfed@vnf.fr

Limitations On Public Access

license

unclassified

Geographic Bounding Box

4

Absence of viewable/downloadable data sets

- Only a view service is available for a data set:

Absence of viewable/downloadable data sets

- Only a download service is available for a data set:

Absence of viewable/downloadable data sets

- Neither a view nor a download service are available for a data set:

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Diversity of data licenses

- In case a user wants to combine two or more data sets and/or create a derived product from them, a barrier can be represented by the diversity of their licenses.

Conditions Applying To Access And Use

Dati forniti secondo licenza "CC BY 3.0" - http://creativecommons.org/licenses /by/3.0/deed.it

Limitations On Public Access

Dato pubblico

unclassified

Geographic Bounding Box

Leaflet | Credits: © OpenStreetMap contributors | EC-GISCO, © EuroGeographics for the administrative boundaries (disclaimer)

Conditions Applying To Access And Use

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Data set protection – View services

- Data set visualization is protected:
    - users cannot even view the data set

Data set protection – View services

- Data set visualization is protected:
    - users cannot even view the data set

- Possible solutions to protect a data set while allowing users to view it:
    - using a watermark which shows the copyright [1]
    - not displaying the data set above a specific zoom level

[1] see for example http://inspire-geoportal.ec.europa.eu/download_details.html?view=downloadDetails&resourceId=%2FINSPIRE-f89f4772-05f5-11e1-b7de-52540004b857_20190117-191106%2Fservices%2F1%2FPullResults%2F17661-17680%2Fdatasets%2F1&expandedSection=metadata

NYMNPA Phase 1 Habitat Survey Areas 1989 (nymnpa-phase1areas89)

you might need to zoom-in to see the information

Legend ☐

OK

Data set protection – Download services

- Data access is only possible through authentication:
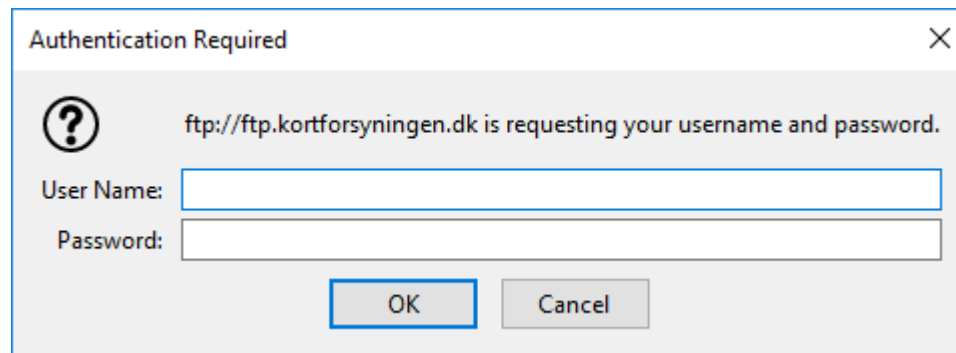
- users do not have access credentials and don't know how to get them
- it would be useful to redirect users to a page explaining:
  - why an authentication service is required
  - how to get access credentials

Different license for data set & service metadata

- For the same data set, there is an inconsistency between the license reported in the data set and in the service metadata:

Conditions Applying To Access And Use

No conditions apply

Limitations On Public Access

Ingen restriktioner

Geographic Bounding Box

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Conditions Applying To Access And Use

Energistyrelsens vilkår for brug af frie geografiske data Generel information: Energistyrelsen har de immaterielle rettigheder til de frie geografiske data, og giver på nedenstående vilkår for brugsret til data. Vilkårene accepteres ved enhver brug af data. Vilkårene reguleres af dansk ret. Brugsret: Energistyrelsen giver en gratis, ikke-eksklusiv og ubegrænset brugsret til data, som bl.a. kan: - Kopieres, distribueres og offentliggøres - Ændres og sammensættes med andet materiale - Bruges kommercielt og ikke-kommercielt Vilkår: Data må ikke bruges på en måde, så det kan fremstå som om at Energistyrelsen godkender, støtter, anbefaler eller markedsfører brugeren, brugerens produkter eller tjenester. Det skal sikres, at brug af data er i overensstemmelse med dansk ret. Kildeangivelse: Energistyrelsen håndhæver sin ophavsret. Når data

12

Third-party contacts not reachable

- The contact e-mail provided has issues, e.g.:
    - the e-mail address does not exist
    - e-mails sent to this addressed are bounced
    - etc.

Responsible Party

    Organisation name Energistyrelsen

    E-mail energidata@ens.dk

Metadata Point Of Contact

    Organisation name Energistyrelsen

    E-mail energidata@ens.dk

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Multiple data sets for a single service

- To make use of a view service in a GIS client, a user needs:

    - the service endpoint

Resource Title

Υπηρεσία απεικονισης

Resource Abstract

Υπηρεσία απεικόνισης του Υπουργείου Περιβάλλοντος και Ενέργειας, συμβατή με τις προδιαγραφές που εκδίδονται σε εφαρμογή της Οδηγίας 2007/2/ΕΚ (INSPIRE).

Conditions Applying To Access And Use

no conditions apply

Limitations On Public Access

no conditions apply

Resource Locator

http://geoportal.ypen.gr/geoserver
/ows?request=GetCapabilities&service=WMS&
version=1.3.0

    - the data set name

🏳️ 📄 Όρια πολυγώνων Natura 2000

Download Options ▾

View Options ▾

Search..

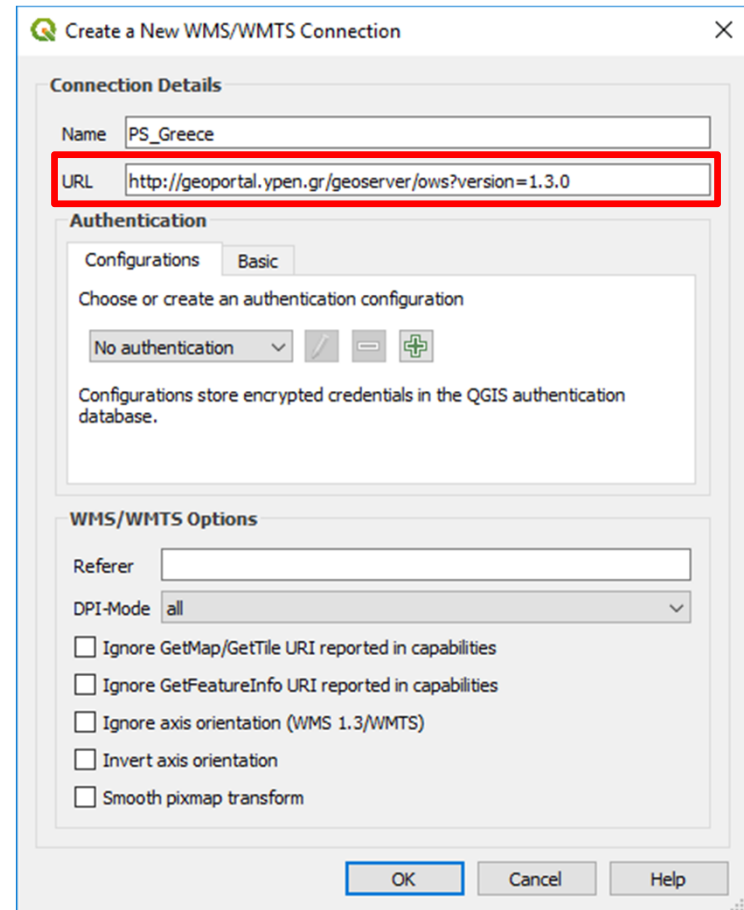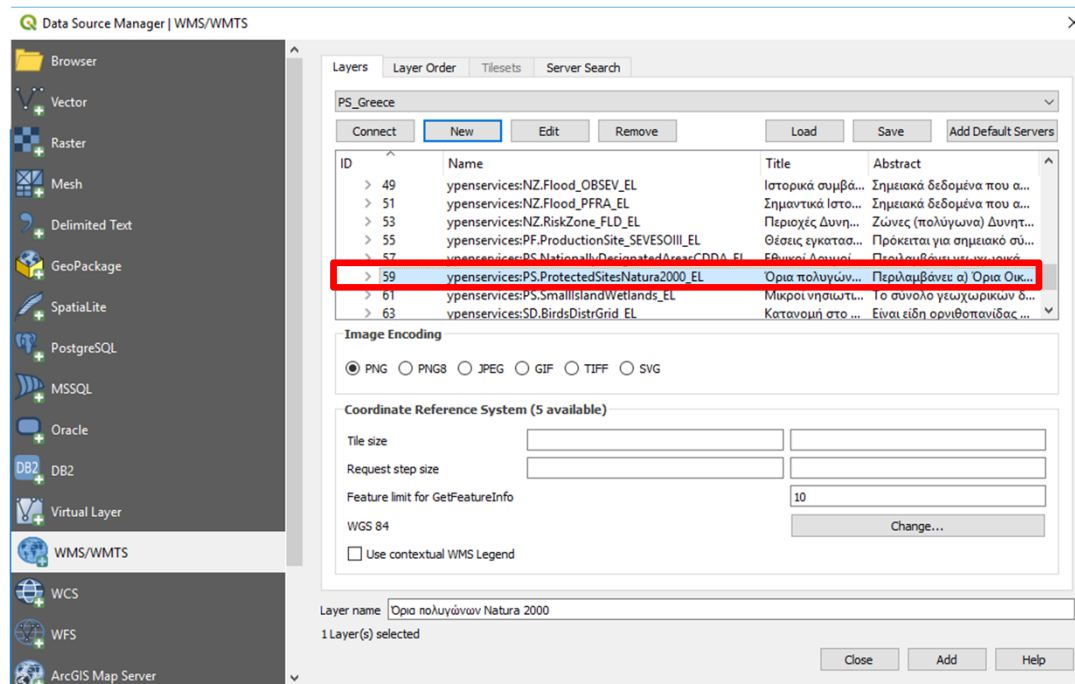| Simple Viewer		Layer title	Layer name	CRS	Desktop Tool ⓘ	Service metadata
Preview Data Set	⚠️	Όρια πολυγώνων Natura 2000	ypenservices:PS.ProtectedSitesNatura2000_EL	EPSG:3857	Google Earth	📄

1

Multiple data sets for a single service

- To make use of the view service in a GIS client (e.g. QGIS), a user needs:
  - to connect to the service (here WMS)

Multiple data sets for a single service

- To make use of the view service in a GIS client (e.g. QGIS), a user needs:
  - to manually look for the data set of interest in the list
    - hard if the available data sets are many (e.g. hundreds)

Multiple data sets for a single service