

(Truly) engaging different experts in a metadata KG design : experience from EuroSDR LD project

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The spatial data research interests of European countries are represented through the membership in EuroSDR of national organisations from their production and research sectors.

Being a member of EuroSDR has several benefits. More information can be found [here](#).

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EuroSDR motivation for a KG project

- Develop a prototype that applies KG to **unsolved issues**
- Improve **dialogue** between authoritative geo-data providers and Web specialists.

EuroSDR KG project focus (1/2)

- **Adapting developments across places :**



Current situation : hindered by data silos



Expected benefit : assisting with expertise about equivalent products between places

EuroSDR KG project focus (2/2)

- **Combining data products across domains :**



Current situation = heavy engineering workload,



Expected benefit from KG = assist developers with
expertise on how to combine data products

Objective

- An open Knowledge Graph about geo-digital assets in Europe, coproduced by relevant experts*

* : about dataproducts, about available metadata, and standards, about KG technologies

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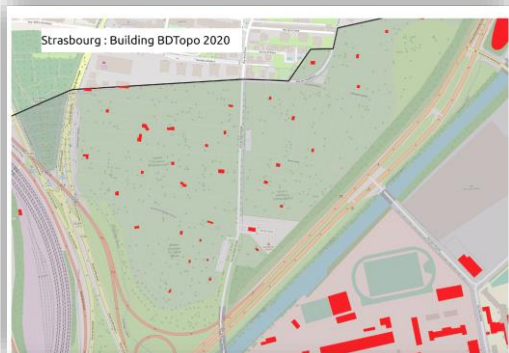
How to truly engage such experts ?

User Feedback : a good clue to engage all experts (data, metadata, standards, KG, ..)

- Much expertise about data products is acquired when using them.
- **The “Geospatial User Feedback” kind of expertise is acknowledged as a relevant knowledge to organise and manage by all categories experts**

User Feedback UC1

- Expert user writes a feedback related to fine data product specification that impact his application
- The KG assist other users, using a similar product on a similar application, to access this feedback



BD Topo 2020



BD Topo 2022

Feedback from examining the dataset #DS1 and reading the detailed product specification #BDTopo2022 :
Between 2010 and 2022, the threshold for buildings has shifted, some buildings have a different source for geometry (walls and not roofs)

User Feedback UC2

- Expert user writes a feedback related to combining data to build a city Digital Twin
- The KG assist other users in transposing part of this feedback to their specific context



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Work in progress...

>> Recruit 2 interneees, contact beta testers

>> Build the KG, queries interfaces

Get back to us if you wish to join!

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