

Agenda

- Welcome and Additional agenda items from floor
- Progress on metadata workshop during the Montreal meetings
 - Bringing together GeoDCAT, ISO, STAC, records API's, implementers of GeoDCAT (& others?)
- Report on SEMIC GeoDCAT-AP meeting 23 April
- Next online meeting: confirmation of date/time and agenda
- AOB

OGC TC Montreal - Metadata Workshop

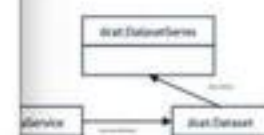
Workshop Purpose

- This workshop will be a gathering of those working on various Spatial Metadata and Catalogue standards. These include: GeoDCAT, ISO19115 (and its variants), OGC API Records and STAC. Additionally, we hope participants include discussion of other metadata standards which spatial professionals often need to support.
- We hope through this workshop that participants gain a better understanding of these various standards and their uses. And that we gain a shared understanding of the overlaps and gaps between these standards as well as when and how they may be best used alone or in combination.
- The desired output of this workshop is the beginnings of a guidance document that describes these findings

and Data

Refers to the performed quality measurements.

In GeoDCAT-API, this property is used to specify "spatial resolution", as defined in [INSPIRE-MD-REQ], [ISO-19115], and [ISO-19115-1].



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GeoDCAT-AP

Latest Meeting Report

- Slides - https://joinup.ec.europa.eu/site/2024-04/20240423_GeoDCAT-AP_WG3
- Github - <https://github.com/SEMICeu/>
- GeoDCAT Example Demonstrations - F
- Main Points -
 - Data Exchange Usecase - from GeoNetwork to CKAN national
 - Metadata File Identifier issue - propagation

Relation of spatial resolution on Dataset, Distribution and Data Service (#100)

Description

Spatial resolution – optional property on Dataset, Distribution, Data Service.

What are the relations of spatial resolution specifications on these classes?

Questions

1. Can a Distribution have a different spatial resolution than the Dataset?
 1. If no, why do we need the property both on a Dataset and a Distribution?
 2. If yes

+spatial
resolution

+hasQualityMeasurement

+QualityMeasurement

Refers to the performed quality measurements.

In GeoDCAT-AP, this property is used to specify "spatial resolution", as defined in [INSPIRE-MD-REQ] [ISO-19115] and [ISO-19115-1].



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Currently 57 issues

- 25x resolution provided
- 3x to be discussed today
- 3x to be re-discussed today
- 6x scheduled for May webinar
- 5x Flanders GeoDCAT-AP implementation experience
- 14x other issues
 - 3x editorial
 - 4x straight-forward DCAT-AP 3.0 alignment
 - 1x alignment with INSPIRE
 - 6x feedback requested
 - Will be closed unless feedback received



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Specific geospatial aspects



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+spatial
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dqv:hasQualityMeasurement

dqv:QualityMeasurement

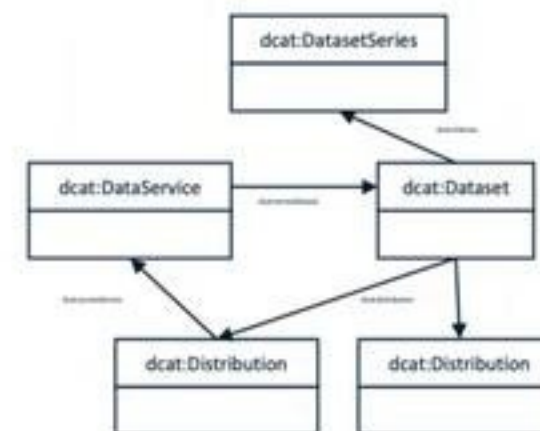
Refers to the performed quality measurements.

In GeoDCAT-AP, this property is used to specify "spatial resolution", as defined in [INSPIRE-MD-REG], [ISO-19115], and [ISO-19115-1].

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Questions

1. Can a Distribution have a different spatial resolution than the Dataset?
 1. If no, why do we need the property both on a Dataset and a Distribution?
 2. If yes
 1. Should all Distributions of a Dataset have the same spatial resolution as the Dataset?
 2. Should the Dataset be tagged by all the different spatial resolutions found in its Distributions?
2. Do all datasets served by a Data Service have the same spatial resolution as the Data Service?



Geo Latest

- Slide 2024
- Github
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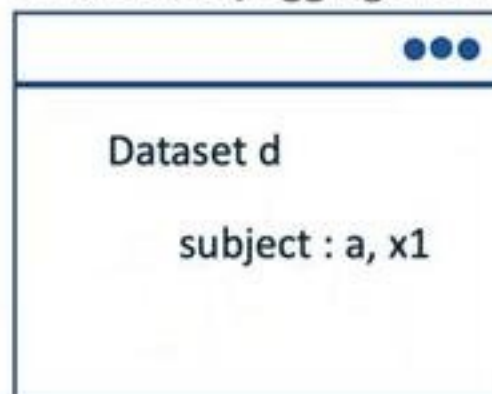
Automation

Precise to Abstraction/Aggregation

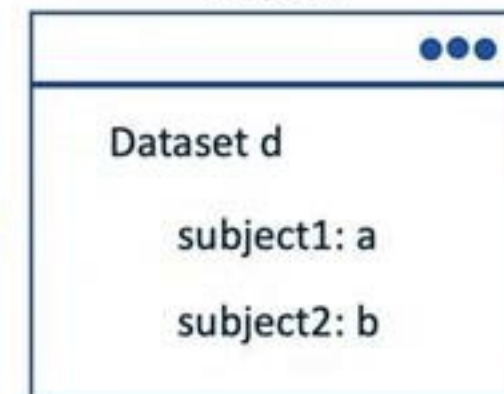
1. Export the Catalogue to RDF (GeoDCAT-AP).
2. Textually replace the subproperty with the superproperty.

```
sed -i :s/ex:subject1/dct:subject/g
```
3. Done.

Abstraction/Aggregation



Precise



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Strategic decision

- Strategy 1: GeoDCAT-AP is derived from INSPIRE metadata.
 - It may aggregate and condense information from INSPIRE.
 - Doing so the conversion from GeoDCAT-AP to ISO INSPIRE is **impossible**.
- Strategy 2: Use GeoDCAT-AP natively for INSPIRE metadata.
 - It must express INSPIRE metadata as precise as possible.
 - A **two-way conversion** should be **possible**:
 - From ISO INSPIRE to GeoDCAT-AP.
 - From GeoDCAT-AP to ISO INSPIRE.

GeoDCAT-AP Latest

- [Slide 2024](#)
- [Github](#)
- [GeoDCAT-AP](#)
- [Metadata](#)
- [Documentation](#)
- [Contact](#)

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GeoDCAT-AP

Latest Meeting Report

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- GeoDCAT Example Demonstrations - Finland, Flanders, Spain
 - Main Points -
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Geo Latest

- [Slide](#)
2024
- [Githu](#)
- [Geol](#)
- [Ma](#)
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National implementations

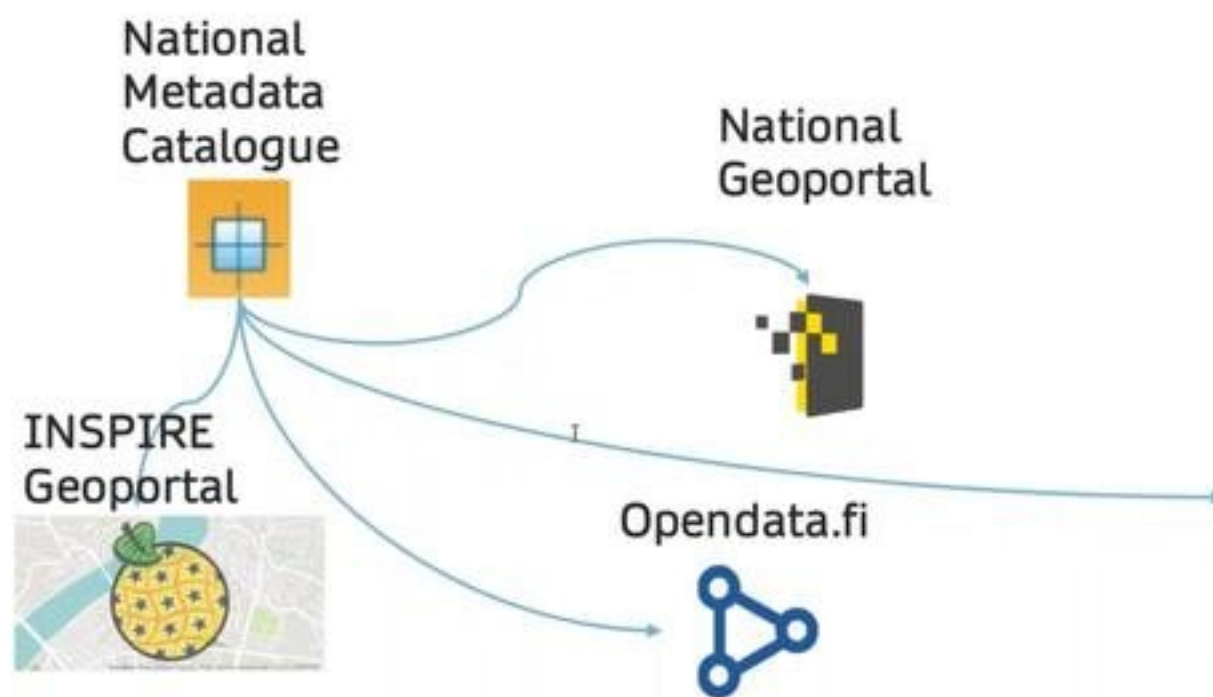
SEMIC GeoDCAT-AP webinar 23. April 2024

Lena Hallin-Pihlatie
National Land Survey of Finland

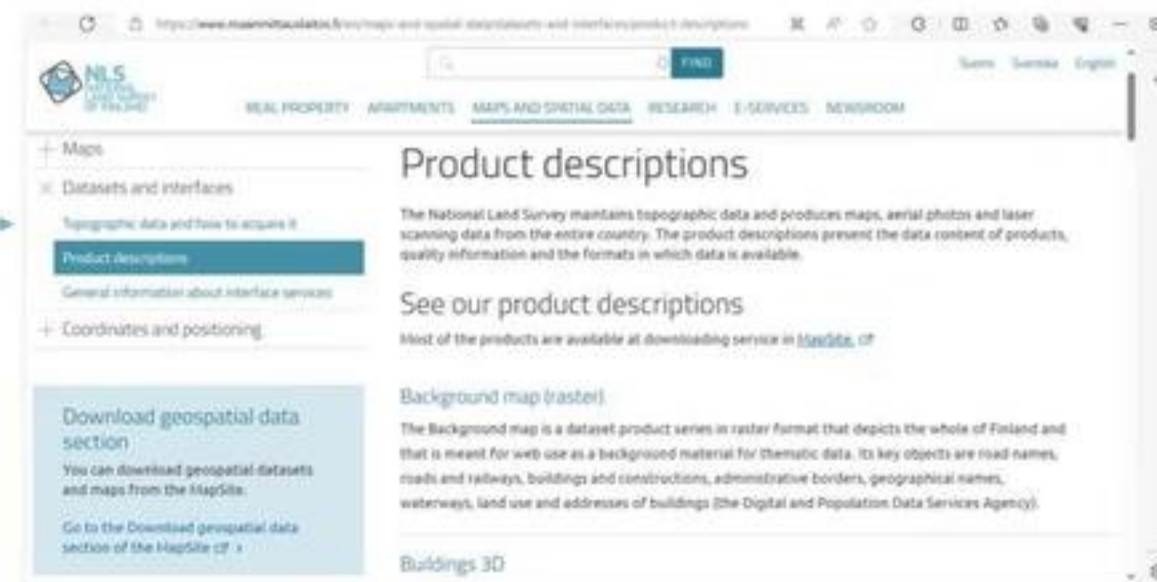
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How it works - Catalogue Service for the Web (CSW)



Product descriptions on NLS-FI web site



Future

- Mapping of High Value Dataset Category between the two services

- National Metadata Catalogue



- Geonetwork version update (3.12.-4.2.x)

- Opendata.fi portal



- Present version based on CKAN 2

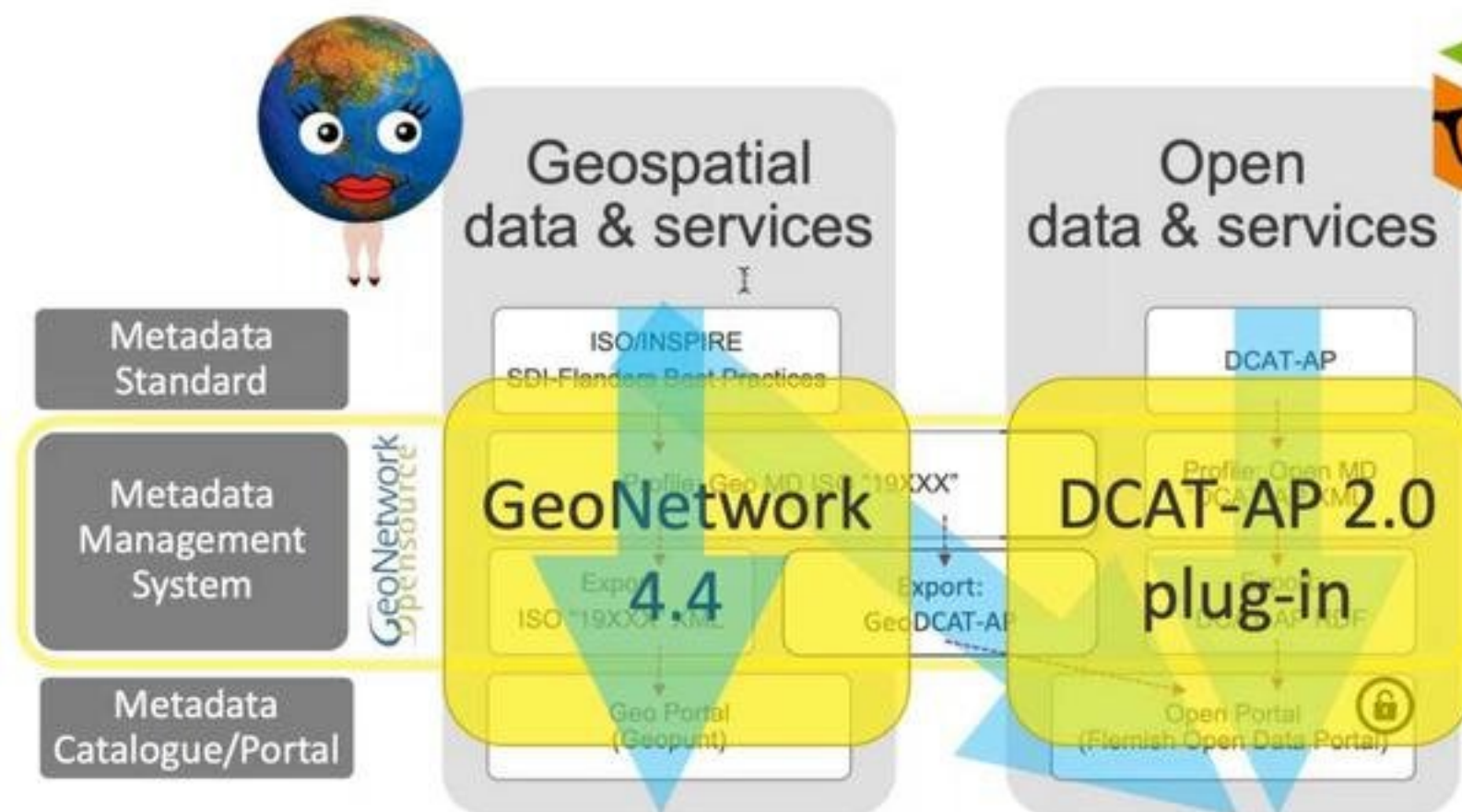
- CKAN 3.0 update wishlist

- Implementaion of DCAT-AP 3.0 and Geo-DCAT-AP metadata profiles

Concluding remarks

- The metadata standards of ISO contain a broad range of information
 - De facto standard and rich for describing geospatial data
- Present systems are complex and involve a vast number of metadata and data providers
 - Implementing changes take time and resources
 - Standards -> software -> uptake by data providers

Bridge is built between the Geo and Open data domains, through GeoNetwork



<https://metadata.vlaanderen.be/>

How GeoDCAT-AP is part of a federated ecosystem of metadata and portals in Belgium

Digitaal Vlaanderen \ 84

Experience of the Spanish SDI

Repeated data sets in DCAT-AP

Paloma Abad

Centro Nacional de Información Geográfica



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1st problem in DCAT-AP

In INSPIRE metadata (ISO 19115), each metadata file has a unique identifier. This identifier is like a passport number.

ISO 19115 and 19115-1 use fileidentifier

- **Unique identifier for this metadata file**
- Using Universal Unique Identifier, UUID. It is displayed in 5 groups separated by hyphens, in the form 8-4-4-4-12 for a total of 36 characters (32 hexadecimal characters and 4 hyphens), xxxxxxxx-xxxx-Mxxx-Nxxx-xxxxxxxxxxxx.
- Unique Identifier given by the organisation

DCAT-AP must take into account the metadata element fileidentifier



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1st problem in DCAT-AP

A metadata file travels to many catalogues:

- thematic catalogues,
- catalogues of other organizations,
- project catalogues,
- cross-border catalogues, etc.

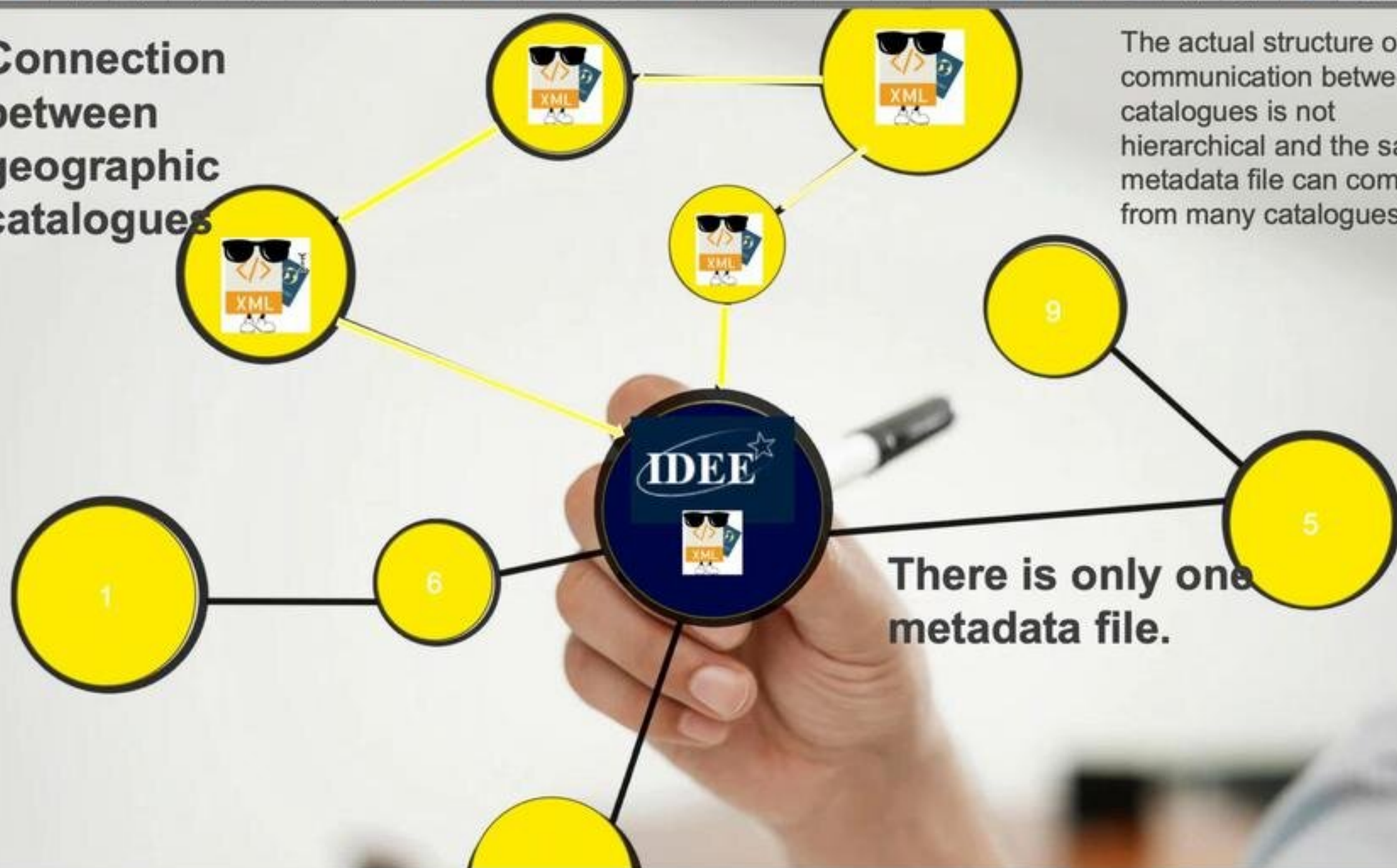
A metadata file does not belong to a federator.



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Connection between geographic catalogues



The actual structure of communication between catalogues is not hierarchical and the same metadata file can come from many catalogues.

There is only one metadata file.

Local catalogues that communicate with the regional catalogues and the thematic catalogues.

GeoDCAT-AP

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- AOB - Rob building Blocks
 - Code print in Nov
 - UK DCAT-AP Peter