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Linked Data in German-speaking countries

- Possibilities for Dewey Linked Data

Content

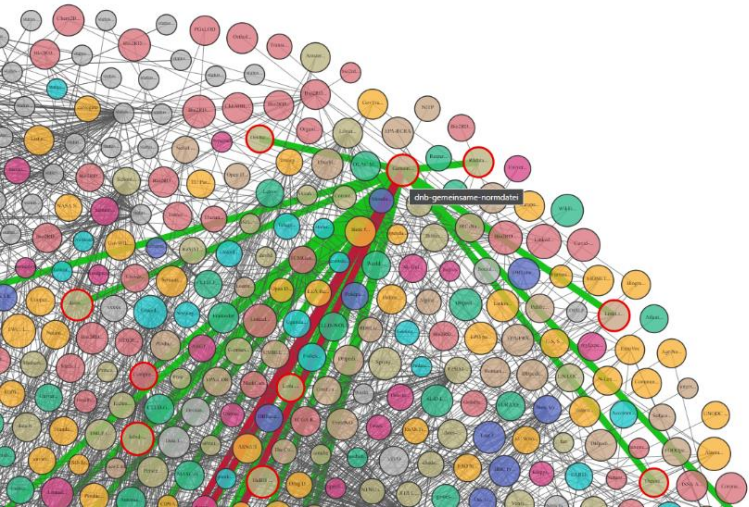
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German-speaking Linked (Open) Data Community

- Libraries and information institutions adapted early RDF
- Started around 2010:
 - Start of many projects, prototypes, services
 - DNB since 2010 (15 years!)
 - Semantic Web in Libraries (SWIB) since 2009
 - dbPedia since 2007
 - ORKG since 2020
 - NFDI since 2020

Linked Open Data Community

- Part of the Linked Open Data Cloud
- Tradition: Thesauri, Authority Files and classifications are under open licenses
 - RVK, BK, GND, STW, ...

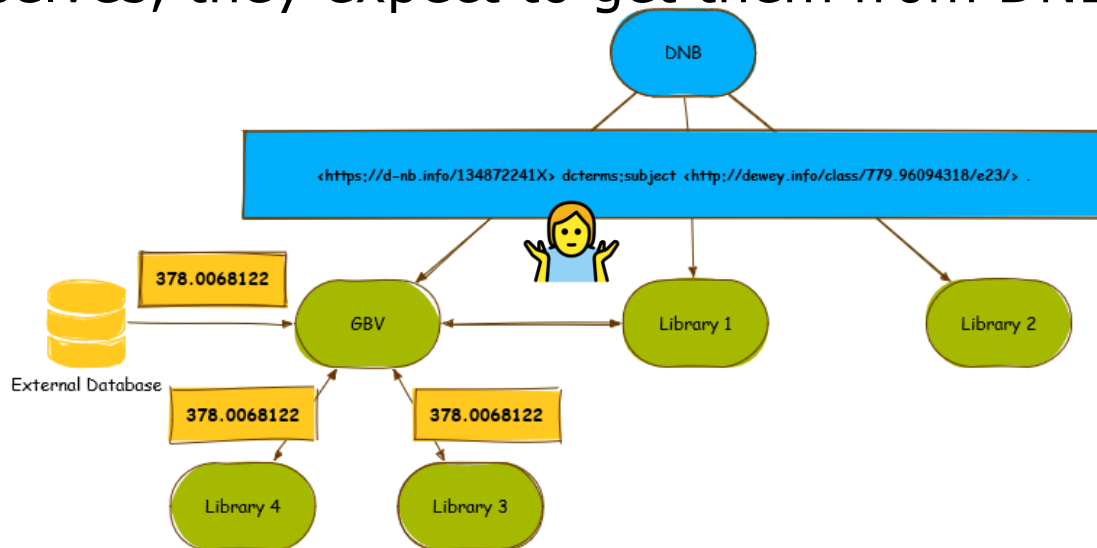


Uses of Dewey

- first and foremost used as an instrument for information retrieval
 - DNB
 - DDC Number
 - DDC Subject Categories (intellectual and machine-based classificatory cataloguing)
 - since 2019 DDC Short Number (machine-based classificatory cataloguing)
 - Also connected with authority file GND
 - e.g. <https://d-nb.info/gnd/1206347392> related DDC -> 614.5924144
- > help users find DDC-classified documents
- > WebDewey Search

Uses of Dewey in german-speaking Library community

- few libraries are assigning Dewey numbers for their collections by themselves, they expect to get them from DNB or other sources

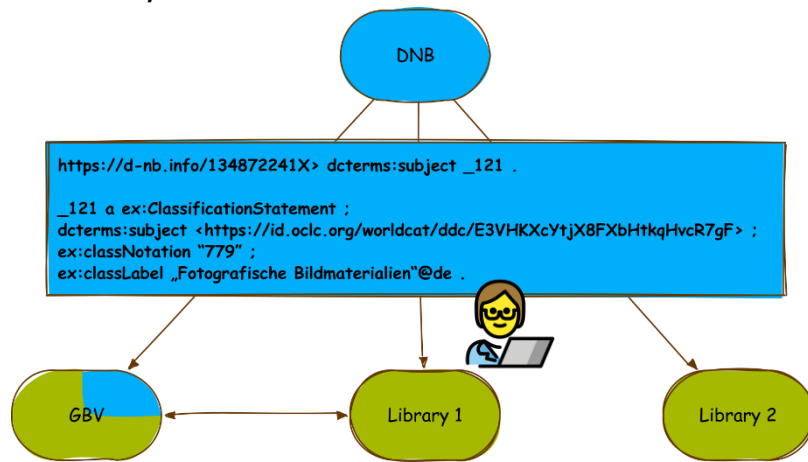


Possibilities for DLD at DNB

- DNB sum of Dewey numbers assigned since 2006:
 - ~ 2.000.000 bibliographic records
 - Many more with DDC Subject Categories and DDC Short Number
- DLD useful for internal DNB use -> Discovery, Browsing, Analyzation
- Increase visibility of Dewey inside DNB services

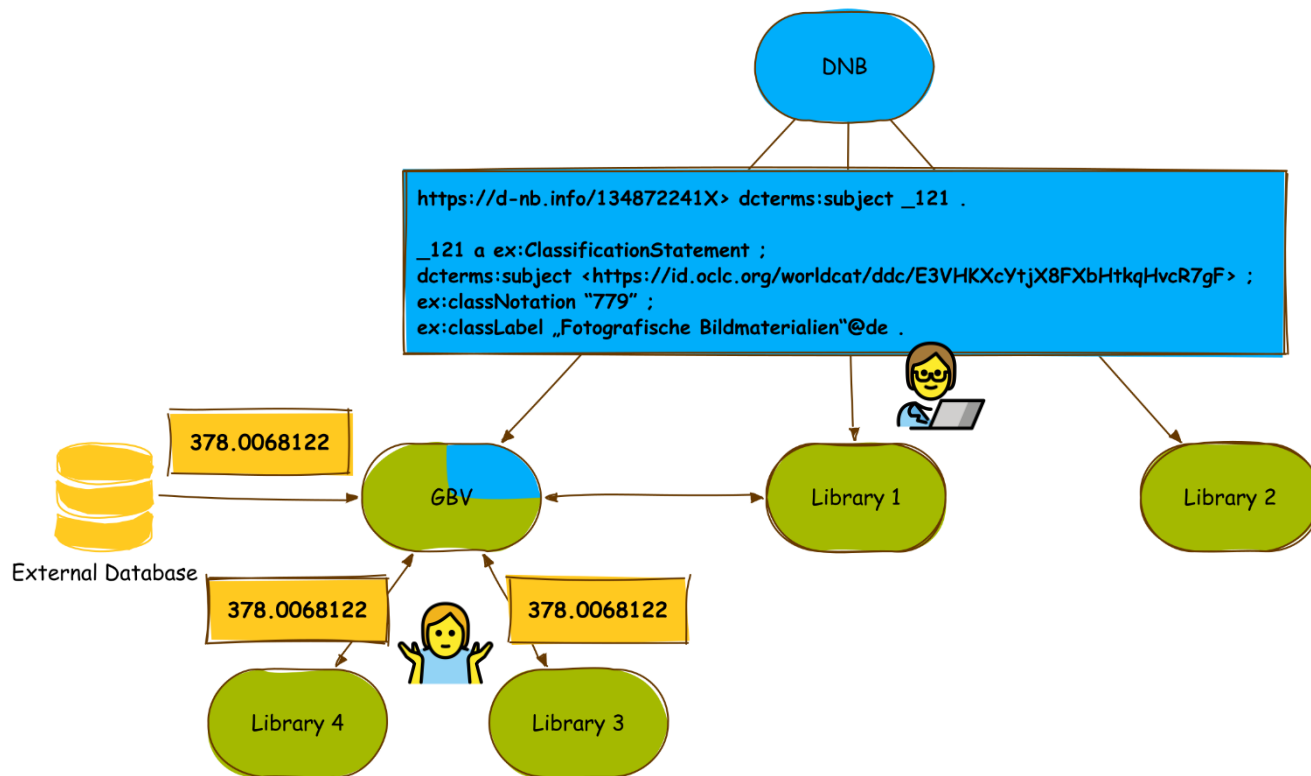
Possibilities for DLD inside LOD Library Community

- Example: Common Library Network (GBV)
 - ~ 8.000.000 bibliographic records with Dewey number (2.000.000 from DNB, 6.000.000 from other sources)



Limitations of DLD Service for LOD Community

- Search and explore (API, Website)
- Deleted numbers -> no URI, no info, no label
- Unassigned Numbers (history note is not accessible without authorization) -> Label „[unassigned]“
- Non-speaking URIs
- Lookup API restriction





Summary

- From community or end-user perspective DLD not easy to use due to restrictions
- Unlock the power of Dewey by unlocking Lookup API to use full potential of linked data and support individual solutions
- > increase visibility of Dewey in LOD community (not only the german-speaking)

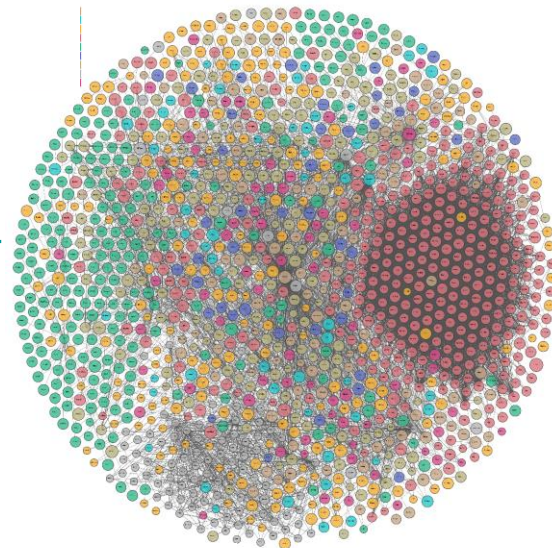
Thanks!

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Websites:

<https://www.dnb.de/metadatendienste>
<https://www.dnb.de/lds>
<https://data.dnb.de/opendata/>



The Linked Open Data Cloud from lod-cloud.net (CC-BY)