

28 June 2021

# Metadata services: Changes in RDF format from 28 September 2021 (Export Release 2021.03)

## 1. Release schedule

Dear Sir/Madam,

In accordance with the German National Library's (DNB) release planning for export formats<sup>1</sup>, the next change in the conversion and data modelling will take place on 28 September 2021. There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon during the technical changeover.

## 2. Linked Data Service in general

### 2.1. Full copies

Following the export releases, it is expected that updated full copies of the Integrated Authority File (GND<sup>2</sup>) and the DNB's bibliographic data will be made available for download in the serialisation formats RDF/XML, Turtle, JSON-LD, as an HDT file<sup>3</sup> and in N-Triples as of March, June/July and October/November<sup>4</sup>.

Metadata provenance dump deliveries are effected at the same intervals. The provenance information is modelled along the lines of PROV Ontology<sup>5</sup> and published in the form of a separate data copy. Additional information regarding planning, documentation and modelling is available on the DNB WIKI<sup>6</sup>.

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<sup>1</sup> <https://wiki.dnb.de/x/wgcbBQ>

<sup>2</sup> <https://www.dnb.de/EN/gnd>

<sup>3</sup> Header, Dictionary, Triples; <http://www.rdfhdt.org/what-is-hdt/>

<sup>4</sup> <https://data.dnb.de/opendata/>

<sup>5</sup> <http://www.w3.org/TR/prov-o/>

<sup>6</sup> <https://wiki.dnb.de/x/46G5C>

Full copies of the bibliographic data from the German Union Catalogue of Serials (ZDB) and the Address data of the German ISIL and Library Code Agency<sup>7</sup> will be updated in March and October/November.

The full copy for Entity Facts<sup>8</sup> is released monthly, albeit only in the format JSON-LD.

## 2.2. Prefixes used in the document

dnbt:	https://d-nb.info/standards/elementset/dnb#
gndo:	https://d-nb.info/standards/elementset/gnd#
rdf:	http://www.w3.org/1999/02/22-rdf-syntax-ns#

## 3. Publication of RDF vocabularies

The update of the vocabularies is expected to take place when the release goes live on 28 September 2021.

The updated vocabularies will then be available at:

	<a href="https://d-nb.info/standards/elementset/dnb">https://d-nb.info/standards/elementset/dnb</a> (DNB Metadata Terms)
	<a href="https://d-nb.info/standards/elementset/gnd">https://d-nb.info/standards/elementset/gnd</a> (GND Ontology)
	<a href="https://d-nb.info/standards/vocab/gnd/geographic-area-code.html">https://d-nb.info/standards/vocab/gnd/geographic-area-code.html</a> (GND Geographic area codes)

## 4. GND conversion changes

- | Correction: In a few cases, the formation of the literals of variant names (“gndo:variantNameForThePerson”) yielded the ISIL of the institution ISIL, which uses the field in a specific way. This error has now been corrected.
- | New feature: The geographic area codes for the following countries have been added to the RDF value vocabulary “GND Geographic Area Codes<sup>9</sup>”:
  - o Kosovo (XA-QV)
  - o France, Metropolitan (XA-FXFR)
  - o Bonaire, Sint Eustatius and Saba (XD-BQ)
  - o Curaçao (XD-CW)
  - o Sint Maarten (Dutch part) (XD-SX)

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<sup>7</sup> <http://sigel.staatsbibliothek-berlin.de/en/startseite/>

<sup>8</sup> <https://www.dnb.de/EN/entityfacts>

<sup>9</sup> <https://d-nb.info/standards/vocab/gnd/geographic-area-code.html> (update scheduled for 28 September 2021)

- | New feature: From release 2021\_03, it will be possible to obtain statements about deleted data records in the GND through the interfaces (OAI or SRU interface)<sup>10</sup>. The new class "dnbt:DeletedResource" has been introduced for this purpose. Example:

```
<rdf:Description rdf:about="https://d-nb.info/gnd/1109770197">  
  <rdf:type rdf:resource=  
    "https://d-nb.info/standards/elementset/dnb#DeletedResource"/>  
</rdf:Description>
```

## 5. Examples and further information

In the course of the next few days the following example files, including the announced changes, can be accessed in the serialisation formats RDF/XML, Turtle and JSON-LD by visiting <https://data.dnb.de/testdat/>:

- | "GNDTestRelease2021\_03..." for the GND authority data

All the information regarding the German National Library's Linked Data Service can be found on our website<sup>11</sup>.

If you have any questions please do not hesitate to mail us at [metadatendienste@dnb.de](mailto:metadatendienste@dnb.de) or phone us on +49 69 1525-1630.

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<https://www.dnb.de>

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<sup>10</sup> These data records are not currently included in the GND's dumps.

<sup>11</sup> <https://www.dnb.de/EN/lds>