

18 December 2018

Data services and interfaces: University publications in Series A – enrichment with machine-generated keywords and abbreviated DDC numbers

The additional enrichment of the metadata for printed monographs with machine-generated keywords and abbreviated DDC numbers is scheduled to begin on 8 February 2019 for a section of Series A¹ of the Deutsche Nationalbibliografie². These are printed university publications with a digital parallel edition. Machine-generated keywords³ and abbreviated DDC numbers⁴ in the metadata of the digital issue will be transferred into the printed parallel edition. This enrichment of printed publications is only being carried out for German- and English-language university publications that appeared as publishing editions, i.e. data records that appear in both Series A and Series H (university publications). **The intellectual cataloguing of the printed publications will remain the same⁵.**

1. Delivery via export formats

1.1. MARC 21

The fields for machine-generated keywords and abbreviated DDC numbers are already delivered via MARC21 for online publications. What's new is that these fields can also appear in printed publications from early February 2019 onwards. Machine-generated Library of Congress subject headings will be exported for the first time from 12 February 2019 onwards. Please see the corresponding announcements for details⁶.

¹ Monographs and serials from the publishers booktrade

² <https://www.dnb.de/EN/nationalbibliografie>

³ Vocabulary of the Integrated Authority File (GND) or Library of Congress Subject Headings (LCSH)

⁴ Cf. <https://www.dnb.de/dataservicesnews> (data service changes to the format MARC 21 for bibliographic data from 15 May 2018)

⁵ <https://www.dnb.de/subjectcataloguing>

⁶ <https://www.dnb.de/dataservicesnews>

Delivery will be effected in the customary MARC fields 6XX (fields for access terms), or in the MARC fields 082 (numbered according to the Dewey Decimal Classification) or 083 (additional DDC numbers) for abbreviated DDC numbers. The corresponding indicator "machine-generated" will be entered in the relevant MARC field 883 (Machine-Generated Metadata Provenance), subfield \$a.

Example 1 in MARC 21

```
XXXXXpam a22XXXXX c 4500
001 1119096375
003 DE-101
005 20181127104745.0
007 tu
008 161114s2017 gw ||||| m||| 00||||eng
015 __ $a17,A30$a17,H08$z16,N47$2dnb
016 7_ $2DE-101$a1119096375
020 __ $a9783848736256$cBroschur : circa EUR 69.00 (DE), circa EUR 71.00 (AT)
      $9978-3-8487-3625-6
...
502 __ $bDissertation$cEuropean University Institute EUI, Fiesole$d2013
650 _7 $0(DE-588)4188724-4$0http://d-nb.info/gnd/4188724-4
      $0(DE-101)041887247$aVorstadt$2gnd
650 _7 $0(DE-588)4079009-5$0http://d-nb.info/gnd/4079009-5
      $0(DE-101)040790096$aWahlverhalten$2gnd
650 _7 $83\p$aSuburbs$(DLC)sh85129571
      $0http://id.loc.gov/authorities/subjects/sh85129571$2lcsb
650 _7 $84\p$aFamilies$(DLC)sh85047009
      $0http://id.loc.gov/authorities/subjects/sh85047009$2lcsb
651 _7 $0(DE-588)4011882-4$0http://d-nb.info/gnd/4011882-4
      $0(DE-101)040118827$aDeutschland$2gnd
651 _7 $0(DE-588)4042203-3$0http://d-nb.info/gnd/4042203-3
      $0(DE-101)040422038$aNiederlande$2gnd
651 _7 $0(DE-588)4053881-3$0http://d-nb.info/gnd/4053881-3
      $0(DE-101)040538818$aSchweiz$2gnd
651 _7 $81\p$0(DE-588)4053881-3$0http://d-nb.info/gnd/4053881-3
      $0(DE-101)040538818$aSchweiz$2gnd
651 _7 $82\p$0(DE-588)4042203-3$0http://d-nb.info/gnd/4042203-3
      $0(DE-101)040422038$aNiederlande$2gnd
653 __ $a(Produktform)Paperback / softback
653 __ $aDeutschland
653 __ $aNiederlande
...
856 42 $mX:MVB$qttext/html$uhttp://deposit.dnb.de/cgi-
      bin/dokserv?id=c938feae1e83411f97898d9a606d9281&prov=M&dok_var=1&dok_ext=ht
      m$3Inhaltstext
856 42 $mB:DE-101$qaapplication/pdf
      $uhttp://d-nb.info/1119096375/04$3Inhaltsverzeichnis
883 0_ $81\p$amaschinell gebildet$c0,00129$d20180605$qDE-101
883 0_ $82\p$amaschinell gebildet$c0,00101$d20180605$qDE-101
883 0_ $83\p$amaschinell gebildet$c0,01157$d20180605$qDE-101
883 0_ $84\p$amaschinell gebildet$c0,00483$d20180605$qDE-101
925 r_ $ara
```

Example 2 in MARC 21

XXXXXpam a22XXXXX c 4500
001 1130884198
003 DE-101
005 20181127105848.0
007 tu
008 170428s2018 gw ||||| m||| 00||||ger
015 __ \$a18,A23\$a18,H06\$z17,N18\$2dnb
016 7_ \$2DE-101\$a1130884198
...
082 04 \$85\u\$a616.51061\$qDE-101\$223/ger
083 7_ \$a610\$a360\$a330\$qDE-101\$223sdnb
083 7_ \$86\p\$a616.5\$qDE-101\$223kdnb
085 __ \$85\u\$b616.51
...
490 1_ \$aGesundheitsökonomische Beiträge\$vBand 57
502 __ \$bDissertation\$cUniversität Hamburg\$d2016
650 _7 \$0(DE-588)4223208-9\$0http://d-nb.info/gnd/4223208-9
\$0(DE-101)042232082\$aEndogenes Ekzem\$2gnd
650 _7 \$0(DE-588)4038270-9\$0http://d-nb.info/gnd/4038270-9
\$0(DE-101)040382702\$aMedizinische Versorgung\$2gnd
650 _7 \$0(DE-588)4076066-2\$0http://d-nb.info/gnd/4076066-2
\$0(DE-101)040760669\$aPharmakotherapie\$2gnd
650 _7 \$0(DE-588)4130935-2\$0http://d-nb.info/gnd/4130935-2
\$0(DE-101)041309359\$aGesundheitsökonomie\$2gnd
650 _7 \$81\p\$0(DE-588)4223208-9\$0http://d-nb.info/gnd/4223208-9
\$0(DE-101)042232082\$aEndogenes Ekzem\$2gnd
650 _7 \$82\p\$0(DE-588)4140644-8\$0http://d-nb.info/gnd/4140644-8
\$0(DE-101)041406443\$aDermatitis\$2gnd
650 _7 \$83\p\$0(DE-588)4194046-5\$0http://d-nb.info/gnd/4194046-5\$0(DE-
101)041940466\$aTherapeut\$2gnd
650 _7 \$84\p\$0(DE-588)4047966-3\$0http://d-nb.info/gnd/4047966-3\$0(DE-
101)040479668\$aQualität\$2gnd
651 _7 \$0(DE-588)4011882-4\$0http://d-nb.info/gnd/4011882-4\$0(DE-
101)040118827\$aDeutschland\$2gnd
653 __ \$a(Produktform)Paperback / softback
653 __ \$a(DDC-Sachgruppen der Deutschen Nationalbibliografie)330
653 __ \$aatopische Dermatitis
...
856 42 \$mB:DE-101\$application/pdf\$uhttp://d-nb.info/1130884198/04\$3Inhaltsverzeichnis
883 0_ \$81\p\$amaschinell gebildet\$c0,13291\$d20180930\$qDE-101
883 0_ \$82\p\$amaschinell gebildet\$c0,07426\$d20180930\$qDE-101
883 0_ \$83\p\$amaschinell gebildet\$c0,06799\$d20180930\$qDE-101
883 0_ \$84\p\$amaschinell gebildet\$c0,05743\$d20180930\$qDE-101
883 0_ \$86\p\$amaschinell gebildet\$c0,99967\$d20180930\$qDE-101
925 r_ \$ara
926 1_ \$aKCVJ\$o93\$qPublisher\$v1.2\$xGesundheitsökonomie

1.2. RDF

In export release 2019.01 (mid-February 2019), the delivery of the content-cataloguing elements adopted from the parallel editions will initially only be available as part of a separate provenance data copy for the data set "DNBTitel". The generation processes are here identified via URIs and will also be described at a later date. Further details will be provided in an announcement⁷ scheduled for January 2019.

Beispiel im Format RDF (Serialisierung Turtle):

```
@prefix dnb: <http://d-nb.info/standards/elementset/dnb#>.
@prefix prov: <http://www.w3.org/ns/prov#>.
@prefix xsd: <http://www.w3.org/2001/XMLSchema#>.
@prefix agrelon: <http://d-nb.info/standards/elementset/agrelon#>.
@prefix dnb-prov-a: <http://d-nb.info/provenance/activity/>.

<http://d-nb.info/1125135964> dnb:hasqualifiedSubject
[
  dnb:qualifiesSubject <http://id.loc.gov/authorities/subjects/sh85098940> ;
  agrelon:metadataConfidence "0.37097"^^xsd:float ;
  prov:generatedAtTime "2019-02-12"^^xsd:date ;
  a prov:Entity, dnb:QualifiedSubject ;
  prov:wasGeneratedBy <https://d-nb.info/provenance/activity/m:2019-02-12>
].
```

In the medium term, all machine-generated content-cataloguing elements – excluding provenance information – will also appear in the regular profile "DINI-AG KIM recommendations":

```
@prefix dcterms: <http://purl.org/dc/terms/> .

<http://d-nb.info/115505668X> dcterms:subject
<http://id.loc.gov/authorities/subjects/sh85134146> .
```

2. Presentation in the catalogue of the German National Library

Abbreviated DDC numbers and machine-generated GND keywords are displayed in the catalogue of the German National Library with a corresponding note if no intellectually assigned entries of this kind are available. It is expected that the machine-assigned LCSH subject headings will also be displayed in the full bibliographic information provided in the catalogue from 2019.

⁷ <https://www.dnb.de/dataservicesnews>