

# Normalising and coordinating types in bibliographic data

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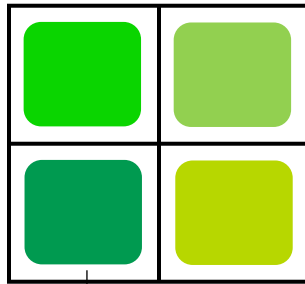
Kansalliskirjasto, National Library of Finland

17/09/2024

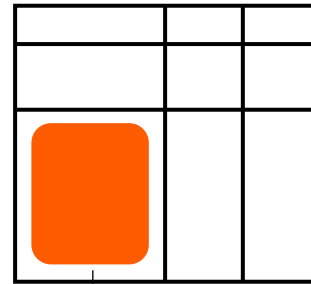


# What is it?

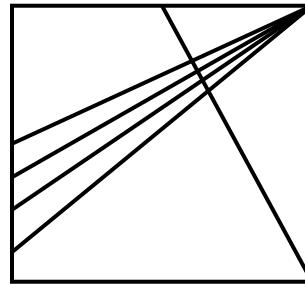
- Type (category, group, class): form, intention
- A section of the bibliographic universe
- Coexisting, overlapping types



**Multimedia**



**Multimedia**



# Aniara

URI (link to resource)

<https://libris.kb.se/dxqtmzrq3wdx48n#it> 

Instance of

Contributor and role [Edander • Gunnar • 1942- • Other](#)  
[Martinson • Harry • 1904-1978 • Author](#)  
[Skoog • Helge • 1938- • Adapter](#)

Language information [Swedish](#)

Genre/form [Fiction • marc](#)

Classification [839.72 • full • 23/swe](#)  
[Hce.02 • kssb • 8](#)

Subject [Pjästexter--Sverige--1900-talet • sao](#)

Media type [unmediated](#)

Mode of issuance

[Monograph](#)

Creative responsibility st...

av [Harry Martinsson](#) ; [monolog](#) framställd av [Helge Skoog](#) ; musik [Gunnar Edander](#)

Publication

[Sweden • Helsingborg • Helsingborgs stadsteater • 2004](#)

Extent

[16 bl.](#)

Title resource

[Aniara](#)

Relationship

[\[rt 1\]](#)

Same as

<http://libris.kb.se/resource/bib/13965352>

Download

[JSON-LD • Turtle • RDF/XML](#)

```
<https://libris.kb.se/z92dgxkhwxn2m5rr#it> a :Map ;
:extent [ a :Extent ;
:label "1 karta" ] ;
:hasTitle [ a :Title ;
:subtitle "recognoserad af flera officerare vid Kronobergs regemente under regements mötet år 1817"
:mainTitle "Charta öfver trakten kring Kronobergshed" ] ;
:genreForm <https://id.kb.se/marc/MapATwoDimensionalMap> ,
<https://id.kb.se/marc/SingleMap> ,
<https://id.kb.se/marc/Manuscript> ;
:mediaType <https://id.kb.se/term/rda/Unmediated> ;
:instanceOf [ a :Cartography ;
:subject [ a :ComplexSubject ;
:inScheme <https://id.kb.se/term/sao> ;
:termComponentList ( <https://id.kb.se/term/sao/Sverige> ( [ a :GeographicSubdivision ;
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:prefLabel "Alvesta" ] ) ( [ a :GeographicSubdivision ;
:prefLabel "Kronobergshed" ] ) ) ] ;
:summary [ a :Summary ;
:label "Topografisk karta över trakten kring Dansjön och Kronobergshed i Alvesta kommun. Ritad
:language <https://id.kb.se/language/swe> ;
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<https://id.kb.se/term/gmgpc/swe/Handritade%20kartor> ;
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:familyName "Berg" ] ] ;
:cartographicAttributes [ a :Cartographic ;
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marc:northernmostLatitudeCoordinates "n0570000" ;
marc:southernmostLatitudeCoordinates "n0565700" ;
marc:westernmostLongitudeCoordinates "e0143300" ] ,
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:coordinates "(Ö 14°33'-Ö 14°35'/N 57°00'-N 56°57' )" ] ,
[ a :Cartographic ;
:coordinates "Måttenhet för koordinaterna: grader, minuter och sekunder (0-360°)" ] ] ;
:production [ :date "1817" ;
a :Production ] ;
:carrierType <https://id.kb.se/term/rda/Sheet> ;
```

# rdf:type

- Relation stating that a resource is an instance of a class
- RDF resources (anything) / RDA resources (the main entity)
- MARC21 type of record (bf:Work), physical description (bf:Instance)
- BIBFRAME
  - Abstraction levels (Work, Instance, Item)
  - MARC21 type of record (000/06)
  - MARC21 bibliographic level (000/07)
  - MARC21 physical description (007/00)

# Normalising types

- Specify the identity
- Significant identity
- bf:Text + bf:Monograph + > 16/49/100 pages = Book?
- One (rich) type per resource
- Types can be explained and maintained

# Level of specificity

- Specific, but not too numerous
- 2000 genre/form terms (LCGFT, SAOGF, FGF)
- 27 BIBFRAME Work and Instance types
- Cognitive limitation: 7 x 7 (x 7)
- Text | Book | Literature | Novel | Noir Fiction
- Polyhierarchy

#Text-347d92a4 ⓘ 11 510 581 (13 887 250)

- #TextText-aa279770 ⓘ 640 704 (845 286)

- #TextTextThesis-4c662644 ⓘ 29 325 (29 464)

- #StillImageTextText-6fb9d6c8 ⓘ 13 178 (34 637)

- #NovelTextText-c549819f ⓘ 12 580 (62 590)

- #NovelRomanerTextText-f84ed3fa ⓘ 49 099 (49 496)

- #NovelRomanerSamlingsverkTextText-704525d1 ⓘ 270 (278)

- #MixedFormsNovelRomanerTextText-64bb92c4 ⓘ 80 (83)

#NovelNovellerRomanerTextText-fb4b23dc ⓘ 17

#BildverkNovelRomanerTextText-a7bbfaf4 ⓘ 4

#HandskrifterNovelRomanerTextText-4c4f5f8c ⓘ 4

#LjudböckerNovelRomanerTextText-7cfe556 ⓘ 4

#CollectiveBiographyNovelRomanerTextText-da491b50 ⓘ 3

#NovelNovellerNovellerRomanerTextText-83e9176e ⓘ 1

#NovelPocketböckerRomanerTextText-8649f465 ⓘ 1

#BrevromanerNovelRomanerTextText-66aa0f95 ⓘ 1

#NovelRomanerSpel och tankenötterTextText-d005b9b0 ⓘ 1

#StillImage-22110e16 ⓘ 1 311 (86 161)

- #PictureStillImage-7acc7131 ⓘ 3 313 (42 776)

- #BilderPictureStillImage-2690bbf8 ⓘ 5 908 (6 372)

- #BilderPictureStillImage-1e70707b ⓘ 816 (836)

- #PicturePorträttStillImage-7b7853e7 ⓘ 444 (24 714)

- #BilderPicturePlantryckPostrarStillImage-868dbe9c ⓘ 171 (178)

- #BilderPictureStillImageTryck-af0428ea ⓘ 165 (166)

- #AffischerPictureStillImage-c7dc733c ⓘ 134 (159)

- #GravyrerPictureStillImage-f6c64367 ⓘ 109 (886)

- #BilderGravyrerPanoramorPictureStillImage-5a28e7cf ⓘ 106 (118)

- #ArkitekturritningarBilderBläck- och tuschteckningarPicturePlanritningarStillImage-b088c722 ⓘ 91 (93)

#FrottagePictureStillImage-27495358 ⓘ 79

#BarnporträttBilderFotografierPictureStillImageVisitkortsfotografier-e222946e ⓘ 56

- #BilderFotografierGrupporträttPicturePorträttStillImage-d6ecd111 ⓘ 52 (55)

#AkvarellerArkitekturritningarBilderBläck- och tuschteckningarPicturePlanritningarStillImage-2168b36f ⓘ

#BilderBläck- och tuschteckningarBlyertsteckningarPictureStillImageTeckningar-ee7dff44 ⓘ 44

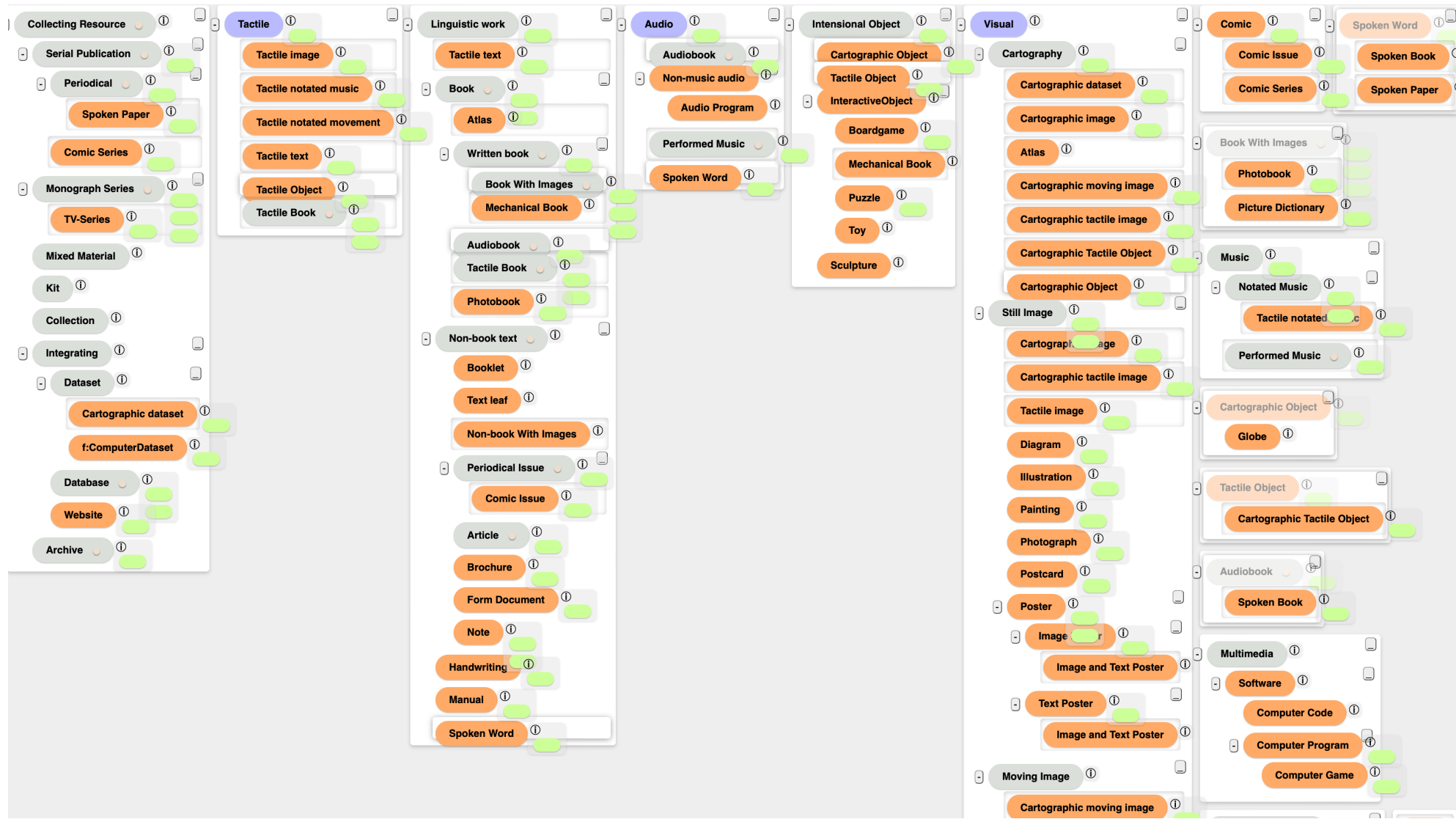
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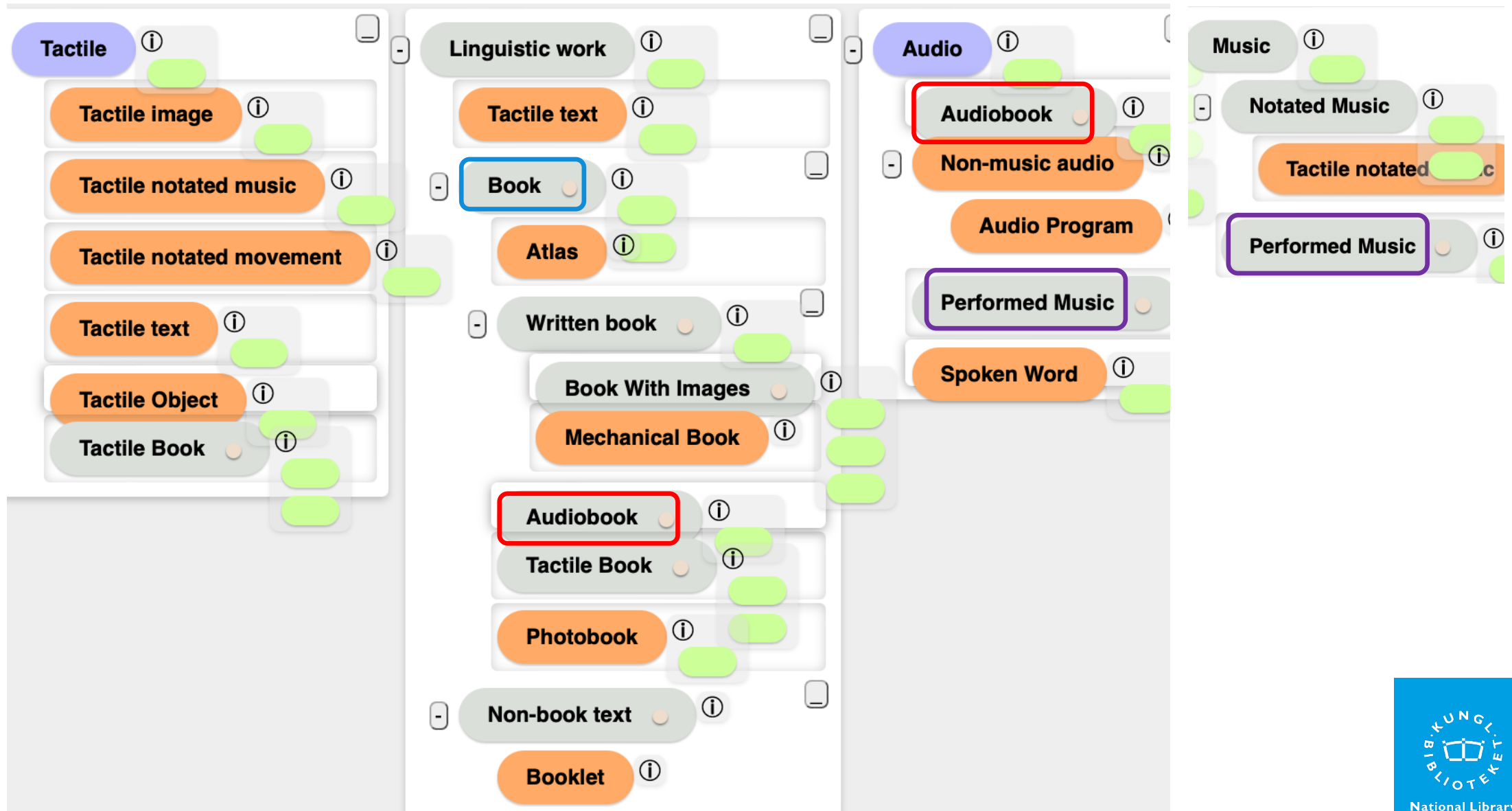


# Type like genre/form terms (SAOGF)

Atlas, Globe, TactileImage, TactileNotatedMusic, TactileNotatedMovement, TactileText, TactileObject, Booklet, Textleaf, NonBookTextWithImages, AudioProgram, NonMusicAudio, BoardGame, Brochure, Comic, ComicIssue, ComicSerial, Software, ComputerCode, ComputerProgram, ComputerGame, Diagram, FormDocument, Handwriting, Illustration, InteractiveObject, Manual, MechanicalBook, Note, Painting, Photobook, Photograph, PictureDictionary, Postcard, Poster, ImagePoster, TextPoster, ImageAndTextPoster, Puzzle, Sculpture, SpokenBook, SpokenWord, SpokenPaper, TVProgram, TVSeries, Toy, Trailer, Website

AbstractSummary, Almanac, Blog, Calendar, Catalogue, CollectedWork, ConferenceMaterial, ControlledVocabulary, CourseMaterial, Encyclopedia, Lexicon, TeachingMaterial, GraphicLiterature, HandSignedCommunication, GraphicNovel, ComicStory, Photoseries, Novel, ShortStory, Literature, Journal, JournalIssue, Lecture, Magazine, MagazineIssue, MusicRadioProgram, MusicRecording, NewsLetter, Newspaper, NewspaperIssue, Pamphlet, Podcast, PublicationProgramme, RadioProgram, RecordOrDeed, ReferenceWork, Register, PuzzleOrGame, RolePlayingGame, SoundEffectBook, PopupBook, Review, Screenplay, Standard, Statistics, Tables, Timetable, ThreeDimensionalMovingImage, TwoDimensionalMovingImage



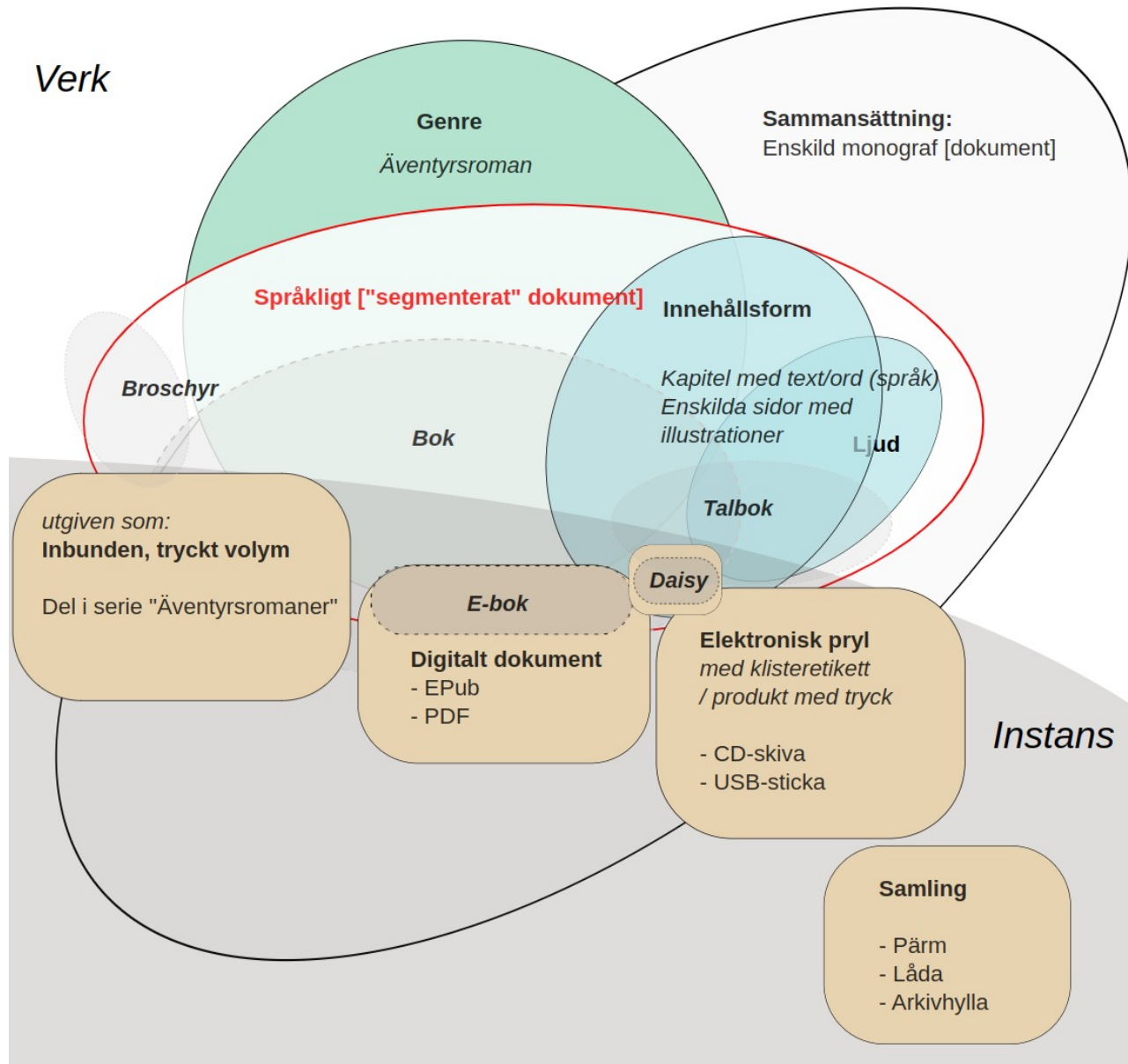


# What is a book?

- “A language-based resource with a significant extent and segmented nature”



Verk



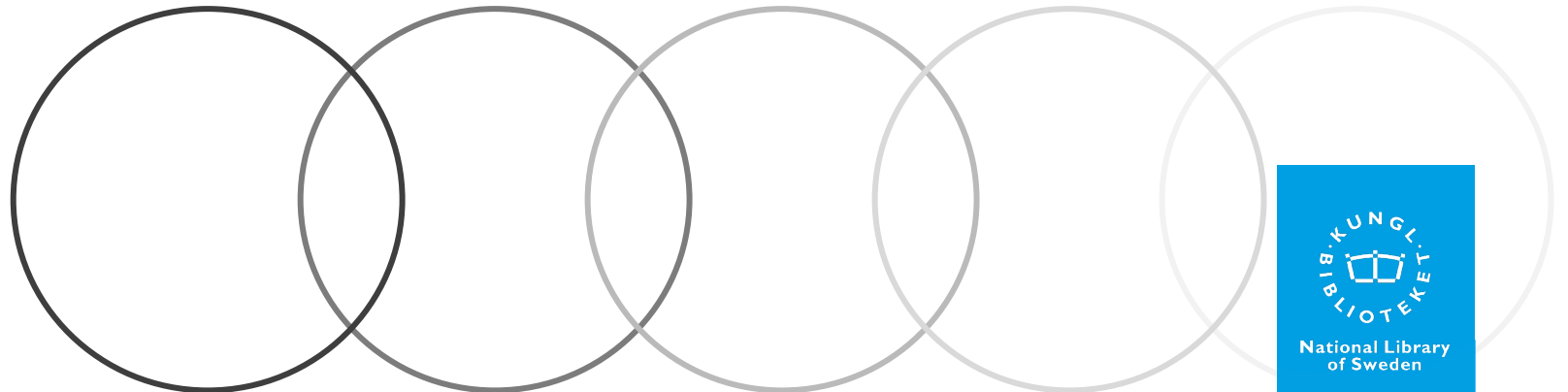
# Intersections

- Named intersections (owl:intersectionOf)
- :ComplexType rdfs:subClassOf owl:Class

```
:Audiobook a :ComplexClass ;
  :category :pending ;
  rdfs:subClassOf :Book ,
    [ owl:onProperty :genreForm ;
      owl:hasValue saogf:Ljudb%C3%B6cker ]
    bibo:AudioDocument ;
  owl:intersectionOf (
    :Audio
    [ owl:onProperty :genreForm ;
      owl:hasValue kbgf:Book ]
  ) ;
:label "Ljudbok"@sv ,
  "Audiobook"@en .
```

```
:Book a owl:Class ;
  ptg:abstract true ;
  :category :pending ;
  owl:equivalentClass bibo:Book, sdo:Book ;
  :label "Book"@en ,
    "Bok"@sv .
```

```
kbgf:Book a :GenreForm ;
  :narrowMatch saogf:Romaner ,
    saogf:Ljudb%C3%B6cker ,
    barngf:Bilderb%F6cker ,
    barngf:Kapitelb%F6cker .
```



# What's next?

- Folded types
- Instance types
- Domain experts
- Description quality
- Libris Beta: <https://beta.libris-qa.kb.se/en>