

Maintenance of mappings

Experiences from the Oslo team
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Mapping to Norwegian WebDewey



Presentation structure

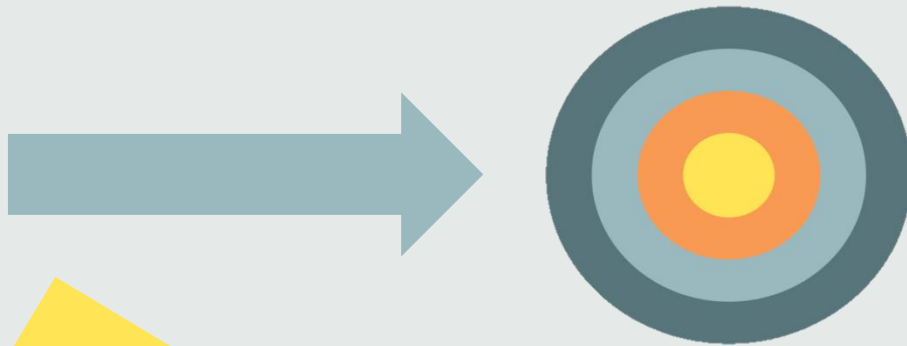
- The need for maintenance – why and how
- Example of maintenance of mappings due to
 - source vocabulary change
 - target vocabulary change

Which source/target vocabulary changes?

New, deleted and updated concepts

- Merging and splitting of source concepts
- Creation of new DDC subclasses

What happens to the mappings?



**Redirect
mapping**



**Reconsider
relationship**

Example of source vocabulary change: Splitting of source concept



Music

Used for **Art music**

Used for **Musicology**

Today's "source concept bundle"

Music

Used for: **Art music** ← hierarchical relationship to preferred term

Used for: **Musicology** ← associative relationship to preferred term

Today's 16 mappings (before splitting):

One exact equivalence

One inexact equivalence

One broader mapping

13 related mappings

Existing mappings for the “concept bundle” Music

Exact equivalence The concept corresponds to the whole Dewey class

Music

780 Music

Inexact equivalence The concept has a large overlap with the Dewey class

Music

781.68 Western art music (Classical music)

Broader mapping The concept is narrower than the Dewey class

Music

203.8 Rites and ceremonies

Related mapping The concept is associated with the Dewey class

Music

781.69 Nonwestern art music

Related mapping The concept is associated with the Dewey class

Music

+ 12 more related mappings

Mapping to interdisciplinary number

Music

UF Art music

UF Musicology

Exact equivalence The concept corresponds to the whole Dewey class

Music



780 Music

Relative index headings for Music

Music	780
Music <i>see Manual at 780</i>	
Music--advertising	659.19/78
Music--arts	T3C--3578
Music--Bible	220.8/78
Music--bibliographies	016.78
Music--education	780.71
Music--ethics	175
	etc. ...

Mapping of the Art music aspect of the conceptual content in the “bundle”

Music

UF Art music

UF Musicology

Inexact equivalence

The concept has a large overlap with the Dewey class

Music



781.68 Western art music (Classical music)

Selection of mapping relationship

781.68 †Western art music (Classical music)

[781.68/175](#) Hybrid styles

Notes

Segmentation Instruction: For 781.681, segment after the 781.68, e.g., 781.68/14

Limited to classical music as a tradition in contrast to other traditions

Class here comprehensive works on traditions of art music

Class classical music in general in [780](#)

For nonwestern art music, see [781.69](#)

The Musicology aspect of the conceptual content in the “bundle”

Music

UF Art music

UF Musicology

No mapping due to the previous mapping to 780

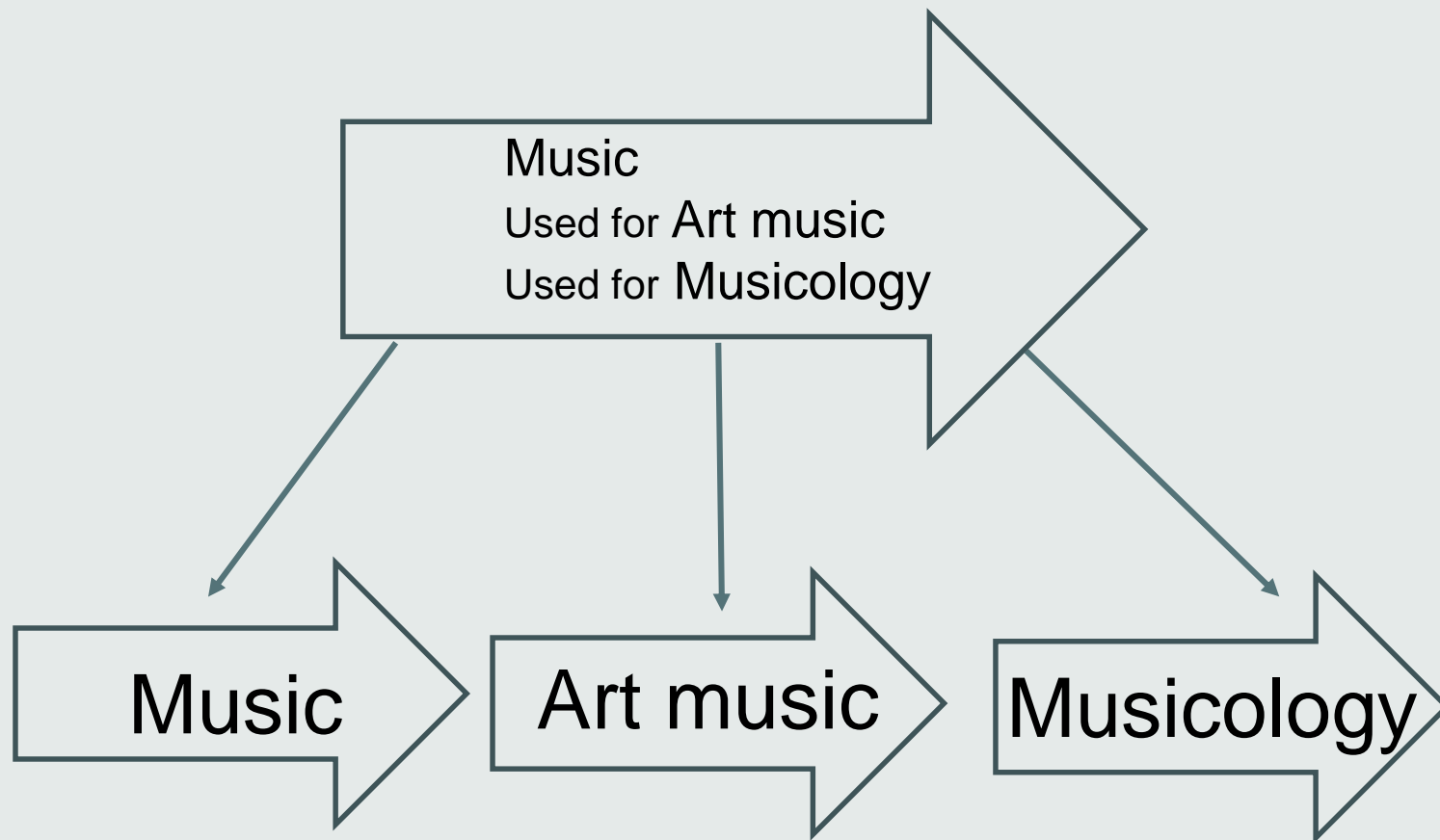
780.72/1

Research methods

Notes

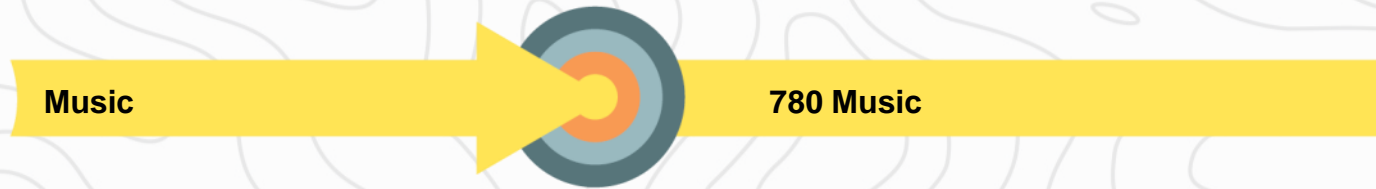
Class here **musicology**

Splitting of source concept Music

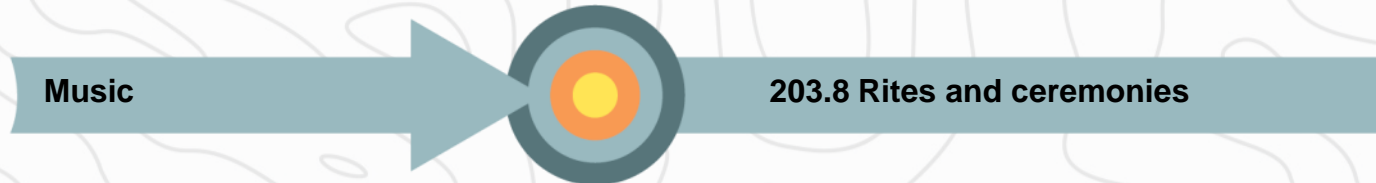


After splitting: source concept Music

Exact equivalence The concept corresponds to the whole Dewey class



Broader mapping The concept is narrower than the Dewey class



Related mapping The concept is associated with the Dewey class



After splitting: source concept Art music

Art music

Exact equivalence The concept corresponds to the whole Dewey class

Art music

781.68 Western art music (Classical music)

Related mapping
The concept is associated with the Dewey class

Art music

781.69 Nonwestern art music

After splitting: source concept Musicology

Musicology

Inexact equivalence

The concept has a large overlap with the Dewey class

Music



780.721 Research methods

780.72/1

Research methods

Notes

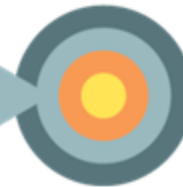
Class here musicology

From broader mapping to exact equivalence for subclass

Broader mapping

The concept is narrower than the Dewey class

Lectures



069.15 Instruction services

069/.15

Instruction services

Notes

Including lectures, **classes, field trips**

From broader mapping to exact equivalence for subclass

Exact equivalence The concept corresponds to the whole Dewey class

Lectures



069.1534 Lectures

Hypothetical new subdivision:

069.1534 Lectures

From inexact equivalence to exact equivalence for subclass

Inexact equivalence

The concept has a large overlap with the Dewey class

Industry



322.3 Business and industry

322.3 Business and industry

- [300](#) Social sciences
- [320](#) Political science
- [322](#) Relation of the state to organized groups and their members
- 322/.3 Business and industry**

From inexact equivalence to exact equivalence for subclass

Exact equivalence The concept corresponds to the whole Dewey class

Industry



322.32 Industry


Hypothetical new subdivision:

322.32 **Industry**

Manual solution today (in pilot tool)

- Source vocabulary: Manual list check
- Target vocabulary: No updating yet

Mapping tool: basic requirements

- List of changes in source and target vocabulary
- Tick-off function 
- Switching between change management and review page

Mapping tool: next steps

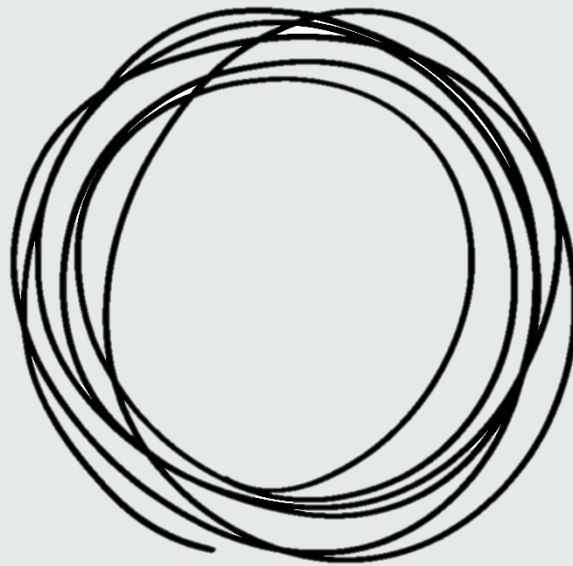
- Context-dependent advice
- One-click mapping maintenance of certain kinds of source/target changes



Approve

The mapping circle

Maintenance



Mapping

Review