

Toward linked data:

Library of Congress Medium of Performance Thesaurus

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Holidays in DC



1. Intro to LCMPT
2. Intro to LCMPT Authority Data Elements
3. LCMPT collaborative document
4. Intro to the Open Metadata Registry
5. Deployment of LCMPT on OMR
6. Issues for consideration

Brief History of LCMPT

2009: Creation of Music Library Association
Bibliographic Control Committee (MLA-BCC)
Genre/Form Task Force

- Genre/form terms
- Medium of performance terms

2011: Medium of performance terms project
transferred to MLA-BCC Subject Access
Subcommittee

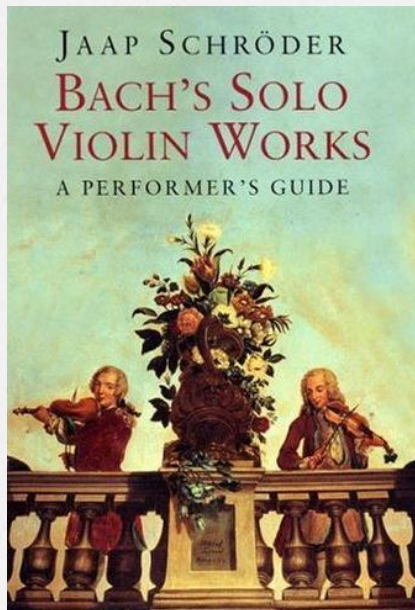
Why is LCMPT being developed?

2 bibliographic purposes:

- o “To retrieve music by its medium of performance in library catalogs, as is now done by the controlled vocabulary, *Library of Congress Subject Headings* (LCSH).”
- o “To record the element “medium of performance” of musical works, as represented in individual music resources cataloged according to *Resource Description and Access* (RDA).”

LCSH vs. LCMPT

Topic



LC Subject Headings:

Bach, Johann Sebastian, 1685-1750. Violin music.
Violin music --Analysis, appreciation.
Violin music --History and criticism.

Medium of performance

LCMPT Terms:

Violin
Piano
Orchestra



Current LC Subject Headings:

Bach, Johann Sebastian, 1685-1750. Violin music.
Concertos (Violin with string orchestra)
Concertos (Violin with string orchestra) --Solos with piano.



LCMPT stats

- 856 terms (and growing)
- 79 terms not previously present in LCSH
- Currently a “monolingual” vocabulary
- Includes brand-specific electric instruments



LCMPT & ADE

Concept Scheme

Cello ensemble
Cellone
Celtic harp
Cembal d'amour
Cenḡa
Čchakhē
Chalumeau
Chamadron
Chamber orchestra
Chamber organ
Changgo
Changing voice
Charango
Chekeré
Chiboni
Child soprano
Child's voice
Children's chorus
Chimes

Metadata Schema

Owner record number
Other controlled vocabulary designation
Related LCCN
Date record created
Cataloger code (creator)
Date record modified
Cataloger code (modifier)
Record status
Kind of record
Data type
Encoding level of content
Sponsoring agency code
Preferred term
Variant of preferred term
Broader term
Related term
Narrower term
See also reference
Non-posted entry term
Node label

LCMPT

Authority Data Elements

○ Descriptive

Preferred term

Variant of preferred term

Broader term

Related term

Narrower term

...

○ Administrative

Date record created

Cataloger code (creator)

Date record modified

Cataloger code (modifier)

Sponsoring agency code

...

LCMPT Spreadsheet









- o Full list of terms
- o Full list of authority data elements
 - o MARC mapping
 - o SKOS mapping (incomplete)

<https://docs.google.com/spreadsheet/ccc?key=0AoZ8jz-1ohDWdDgxM2J5ZDNvZThLU2ljekFQUUlXNVE>

LCMPT-ADE & SKOS: a crosswalk

LCMPT Authority Data Elements

SKOS Concept Labels

1. Source of term		skos:ConceptScheme
15. Preferred term		skos:prefLabel
16. Variant of preferred term		skos:altLabel
17. Broader term		skos:broader
18. Related term		skos:related
19. Narrower term		skos:narrower
28. Scope and usage note		skos:scopeNote
31. History note		skos:historyNote



<http://metadataregistry.org/>

- Semantic Web infrastructure
- Metadata discovery, reuse & interoperability
- Machine mapping of terms & concepts
- Identify, declare, & publish:
 - Metadata schemas (element/property sets)
 - Concept schemes (controlled vocabularies)
 - APs (application profiles)

LCMPT on Open Metadata Registry

<http://metadataregistry.org/vocabulary/show/id/315.html>

```

<?xml version="1.0" encoding = "UTF-8"?>
<rdf:RDF
  xmlns="http://www.w3.org/2004/02/skos/core#"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:skos="http://www.w3.org/2004/02/skos/core#"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:reg="http://metadataregistry.org/uri/schema/registry/">

  <!-- Scheme: Medium of Performance Thesaurus -->
  <skos:ConceptScheme rdf:about="http://www.metadataregistry.org/lcmpt">
    <dc:title>Medium of Performance Thesaurus</dc:title>
  </skos:ConceptScheme>

  <!-- Concept: Accordion -->
  <skos:Concept rdf:about="http://www.metadataregistry.org/lcmpt/1001" xml:lang="en">
    <skos:inScheme rdf:resource="http://www.metadataregistry.org/lcmpt"/>
    <reg:status rdf:resource="http://metadataregistry.org/uri/RegStatus/1002"/>
    <reg:identifier rdf:resource="4853"/>
    <skos:prefLabel xml:lang="en">Accordion</skos:prefLabel>
    <skos:altLabel xml:lang="en">Accordeon</skos:altLabel>
    <skos:altLabel xml:lang="en">Garmon</skos:altLabel>
    <skos:altLabel xml:lang="en">Piano Accordion</skos:altLabel>
    <skos:altLabel xml:lang="en">Accordian</skos:altLabel>
    <skos:altLabel xml:lang="en">Squashbox</skos:altLabel>
    <skos:altLabel xml:lang="en">Squeezebox</skos:altLabel>
    <skos:related rdf:resource="http://www.metadataregistry.org/lcmpt/1045"/>
    <skos:broader rdf:resource="http://www.metadataregistry.org/lcmpt/1044"/>
    <skos:related rdf:resource="http://www.metadataregistry.org/lcmpt/1043"/>
    <skos:related rdf:resource="http://www.metadataregistry.org/lcmpt/1042"/>
  </skos:Concept>

  <!-- Concept: Accordion band -->
  <skos:Concept rdf:about="http://www.metadataregistry.org/lcmpt/1002" xml:lang="en">

```


Issues for consideration

Foreign language terms

Preferred Label:	Bass voice	
Language:	English	
URI:	http://www.metadataregistry.org/icmp/1130 (RDF)	
Top Concept?:		
Status:	New-Proposed	
Properties		
preferred label	Bass voice	English
has broader	Singer	
alternative label	Bass	English
alternative label	Bass singer	English
alternative label	Bass soloist	English
alternative label	Basse	French
alternative label	Bass	German
alternative label	Basso	Italian

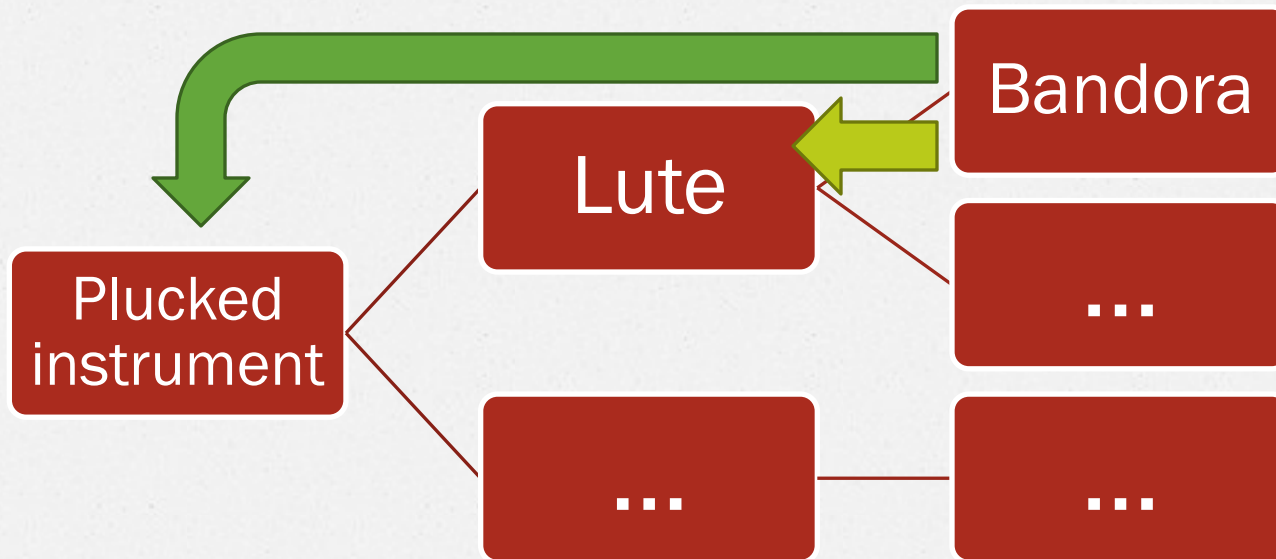


SKOS language tags

```
skos:prefLabel "Bass voice"@en  
skos:altLabel "Basse"@fr
```

What if preferred term is not English?

Bi-level relationships



“Music BT needed” term

Preferred Label:	Music BT needed
Language:	English
URI:	http://www.metadataregistry.org/lcmpt/1117 (RDF)
Top Concept?:	
Status:	New-Proposed
Properties	
preferred label	Music BT needed
has narrower	Aerophone
has narrower	Balloon
has narrower	Band
has narrower	Beatboxing

Hierarchy construction

- o Top-down
- o Bottom-up
- o ?

Data storage platform options

- o Spreadsheets
- o Database
- o Limitations of Open Metadata Registry
- o Other thesaurus software:

MultiTes TopBraid Knoodl
Protégé TemaTres etc.

LCMPT extension of SKOS vocabulary?

- Defining an application profile for LCMPT

Questions or
Comments?



Online Resources:

LCMPT list online:

http://www.loc.gov/catdir/cpso/medprf_lcmla.pdf

Music Genre/Form/Medium Project Wiki:

<http://musicgenrepublicforum.pbworks.com/>

Library of Congress LCMPT press releases:

http://www.loc.gov/catdir/cpso/medprf_thesaurus.html

SKOS: a beginner's guide

http://www.unc.edu/~prjsmith/skos_guide.html

Print Resources:

Iseminger, B. (2012). The music genre/form project: history, accomplishments, and future directions . *Directions in music cataloging* (pp. 63–77). Middleton: A-R Editions, Inc.