UDC and folksonomies

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Research questions

- Are terms used as tags in folksonomies included in the UDC?
- Which facets of the UDC match characteristics of documents of information objects that are tagged in folksonomies?
- Content analysis and comparison to UDC MRF 2006 Slovenian ed.
Folksonomies in the sample

Tags for soundtrack The Little Mermaid in Amazon.com (N=471)

- disney soundtrack (8)
- disney (7)
- little mermaid (5)
- movie soundtracks (4)
- music (4)
- soundtrack (4)
- jodi benson (3)
- mermaids (3)

Popular Tags:

- cd (2)
- disney cd (2)
- bards and minstrels (1)
- childhood (1)
- favorite cd (1)
- favorite disney features (1)
- good cd (1)
- hans christian andersen (1)
- magic carpet ride (1)
- musical (1)
- my songs (1)
- northern skies (1)
- pat carroll (1)
- scandinavian literature (1)
- the little mermaid (1)

Most popular tags in 43 things.com (N=198)

- adventure
- animals
- children
- children's
- children's books
- children's literature
- cinema
- disney
- early childhood
- fairy tales
- fiction
- film
- go
- golden book
- hans christian andersen
- juvenile fiction
- kids
- library park
- little golden book
- little mermaid
- mermaids
- moves
- ocean
- picture book
- princess
- read
- walt disney
- young adult

Tags for the book The Little Mermaid in LibraryThing.com (N=173)

- adventure
- animals
- children
- children's
- children's books
- children's literature
- disney
- early childhood
- fairy tales
- fiction
- film
- go
- golden book
- hans christian andersen
- juvenile fiction
- kids
- library park
- little golden book
- little mermaid
- mermaids
- moves
- ocean
- picture book
- princess
- read
- walt disney
- young adult
Coding

- Pre-established scheme
  - Topic, genre, place,…
- Emerging codes
  - Ownership, collection,…
Concepts in UDC

- **Amazon**: 33 concept present, 63 not present, 4 not clear
- **Library Thing**: 38 concept present, 38 not present, 6 not clear
- **43 Things**: 91 concept present, 9 not present, 0 not clear
- **Del.icio.us**: 90 concept present, 9 not present, 1 not clear
Percentage of concepts in classes of UDC
Names

- Artist 38%
- Author 20%
- Trade name 22%
- Title of work 17%
- Unknown 16%
- Literary character 9%
- Biographical 3%
- Owner 3%

167 = 100%
Attributes expressed in tags

- Topic 34% (programming)
- Name 16% (Ariel)
- Genre 11% (historical novel)
- Form 9% (movie)
- Evaluation 9% (oh brother)
- Not clear 5% (3844)
- Audience 2% (family movie)
- Series/Collection 2% (golden book)
- Related work 2% (Titanic)
- Plan/Action 2% (tbr)
- Time 2% (Christmas_2005)

- Ownership - no name 1% (my dvds)
- Gift 1% (Abby present)
- Place 1% (small town)
- Carrier 1% (DVD)
- Award 1% (Oscar 4 best pic)
- Occasion 0,5% (Mother’s day)
- Experience 0,16% (enamorated as kid)
- Edition 0,16% (1st ed.)
- Accessibility 0,16% (free)

- TOTAL 100% = 1039
## Attributes

<table>
<thead>
<tr>
<th>IN UDC</th>
<th>IN UNIMARC</th>
<th>NOT IN CATALOG RECORD</th>
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<tr>
<td>Topic</td>
<td>Series</td>
<td>Evaluation</td>
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<tr>
<td>Name</td>
<td>Related work</td>
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<tr>
<td>Genre</td>
<td>Carrier</td>
<td>Plan / action</td>
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<td>Form</td>
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<td></td>
<td>Experience</td>
</tr>
<tr>
<td>Carrier</td>
<td></td>
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</tr>
</tbody>
</table>
Surprises

- Repetition of data
  - Title proper
  - Other bibliographic data: edition, series, accessibility, URL
  - Form (movie)
  - Medium (DVD)

- Evaluation

- Names

- Ambiguous terms
Guiding users through tagging

- Optional form
  - Personal names and roles (authority files)
  - Places (thesauri of geographical names)
  - Topic (UDC)
  - Genre (UDC, UNIMARC)
  - Medium, form (UDC, UNIMARC)
  - Time (UDC, ISO)
  - Awards
  - Evaluation
  - Etc.
Answers

- Are terms used as tags in folksonomies included in the UDC?
  - 80% yes in total

- Which facets of the UDC match characteristics of documents of information objects that are tagged in folksonomies?
  - Topic, genre, form, medium, audience, time, place

- UDC is universal