

Deutsche
Nationalbibliothek

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Taxonomies as Resources: Identification, Location and Access of a 'Webified' Dewey

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Can you GET it if you really want?

- Melvil WebDewey, Mr. Congeniality?
- URIs and the architecture of the Web
- URIs for the DDC
- The bigger picture: Designing Services

(Infra-)Structural choke points

1. Design of identifiers
2. Design of verbal designators (“verbal plane”)
3. Data representation
4. Vocabulary enhancement
5. User contribution
6. Versioning
7. Vocabulary registries

Taxonomies as Resources (on the Web)



1. Minimal level of accessibility
2. Improving accessibility to stimulate association with *other* resources

What!? Where?

URIs and the architecture of the Web
URIs for the DDC

Take one:

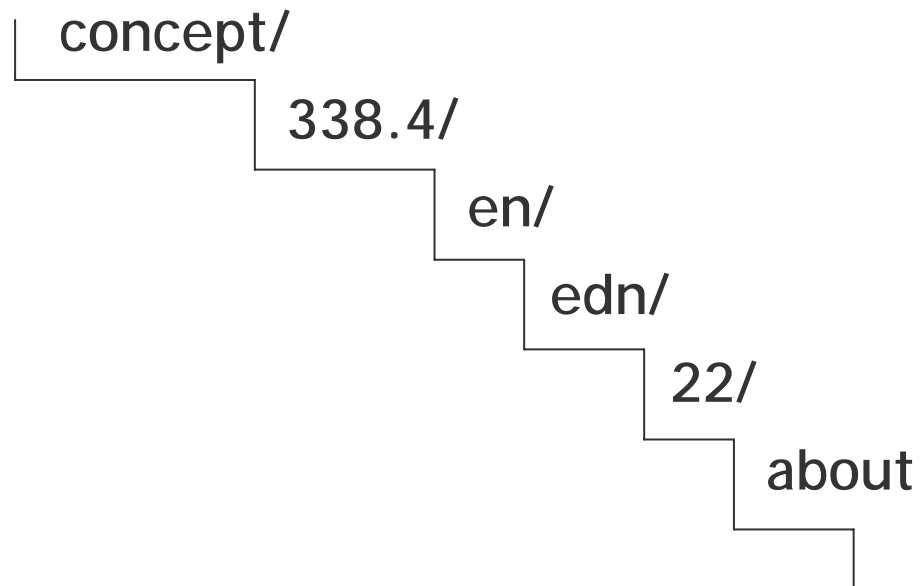
`http://dewey.info/{aspect}/{object}/{locale}/{type}/{version}/{resource}`

`http://dewey.info/concept/338.4/en/edn/22/about`

Take one:

`http://dewey.info/{aspect}/{object}/{locale}/{type}/{version}/{resource}`

`http://dewey.info/`



Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/class/338.4/2007/05/25/about.en.html
```


Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}  
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/class/338.4/e22/about.en.html
```

Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}  
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/class/2--74-79/2007/05/25/about
```

Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}  
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/class/2--74-79/about
```

Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/table/1/a14/about.en.skos
```

```
http://dewey.info/scheme/about
```

Take two:

```
http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}
{-opt || edition_stamp}/{-list || resource}
```

```
http://dewey.info/793.2
```

```
http://dewey.info/concept/793.2/2008/04/10/about.en.html
```

Summary:

- Are you looking for a “number” or something else?
- Do you want to restrict by point in time?

These are the only two things the agent needs to know coming to the service. The less the agent knows, the more he has to postprocess the results.

Service Design

The bigger picture

Take two:

http://dewey.info/{aspect}{-opt || aspect}{object}/{-list || edition_stamp}{-opt || edition_stamp}/{-list || resource}

<http://dewey.info/class/338.4/e22/ancestors/about>

<http://dewey.info/class/338.4/ancestors/about.en.skos>

<http://dewey.info/class/338.4/e22/children/about>

<http://dewey.info/class/338.4/e22/related/about?degree=x>

<http://dewey.info/scheme/e22/search/about.de?kw=...>

Service Semantics: Generic Resources

<http://dewey.info/class/338.4>



303 See Other



<http://dewey.info/class/338.4/about>



application/rdf+xml wins

content negotiation

text/html wins

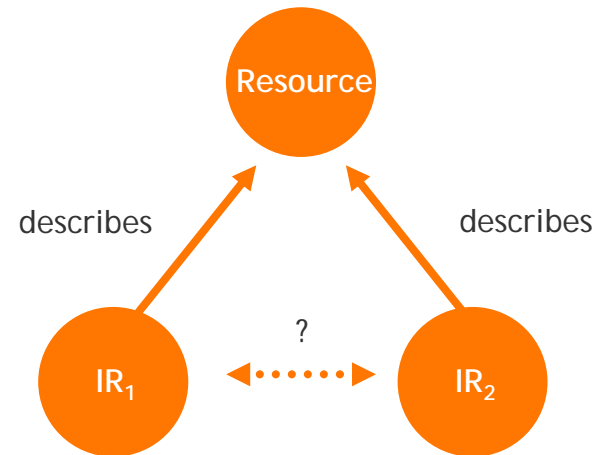
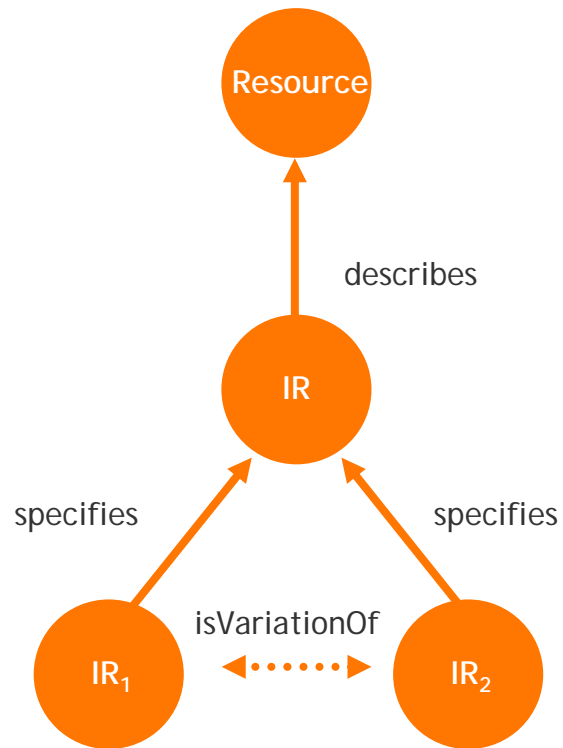


Content-Location:

<http://dewey.info/class/338.4/about.de.skos>

<http://dewey.info/class/338.4/about.en.html>

Service Semantics: Blunt Instruments



(Could be made explicit with RDF statements)



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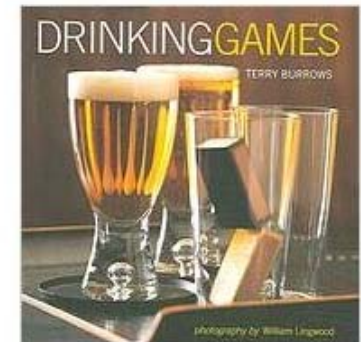
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by [Terry Burrows](#); [William Lingwood](#)

Type: Book; English
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Editions: [2 Editions](#)
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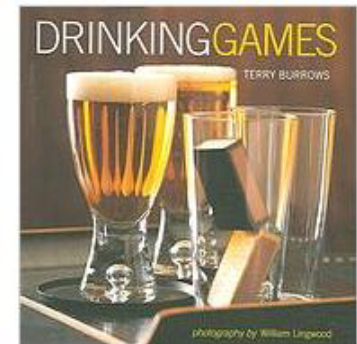
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ISBN: 1845972783 9781845972783
Dewey Number: 793.2 22 (full) assigned by LC :: Parties and entertainments
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<http://wapi-dev.oclc.org/webservices/catalog/content/6737500>

<http://ddcresearch.oclc.org/SRW/search/a14?query=oclc.dewey+exact+%22793.2%22>

Thank You!



Questions?