RightsStatements.org:
Technical Implementation

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Digital Public Library of America
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Guidelines for technical design

- Try to reflect in implementation that rights statements under development are <u>not</u> licenses
- Develop as vocabulary for broad reuse, following best practices on publication of linked data
- Considerations of extensibility
- Provide implementation guidelines for aggregators (e.g. DPLA and Europeana) and their partners

Overview of data model

- Published as a SKOS vocabulary: **http://bit.ly/rights-data-model**

- All statements are modeled as both a `skos:Concept` & `dct:RightsStatement`

- Allows for interoperability with other frameworks for rights

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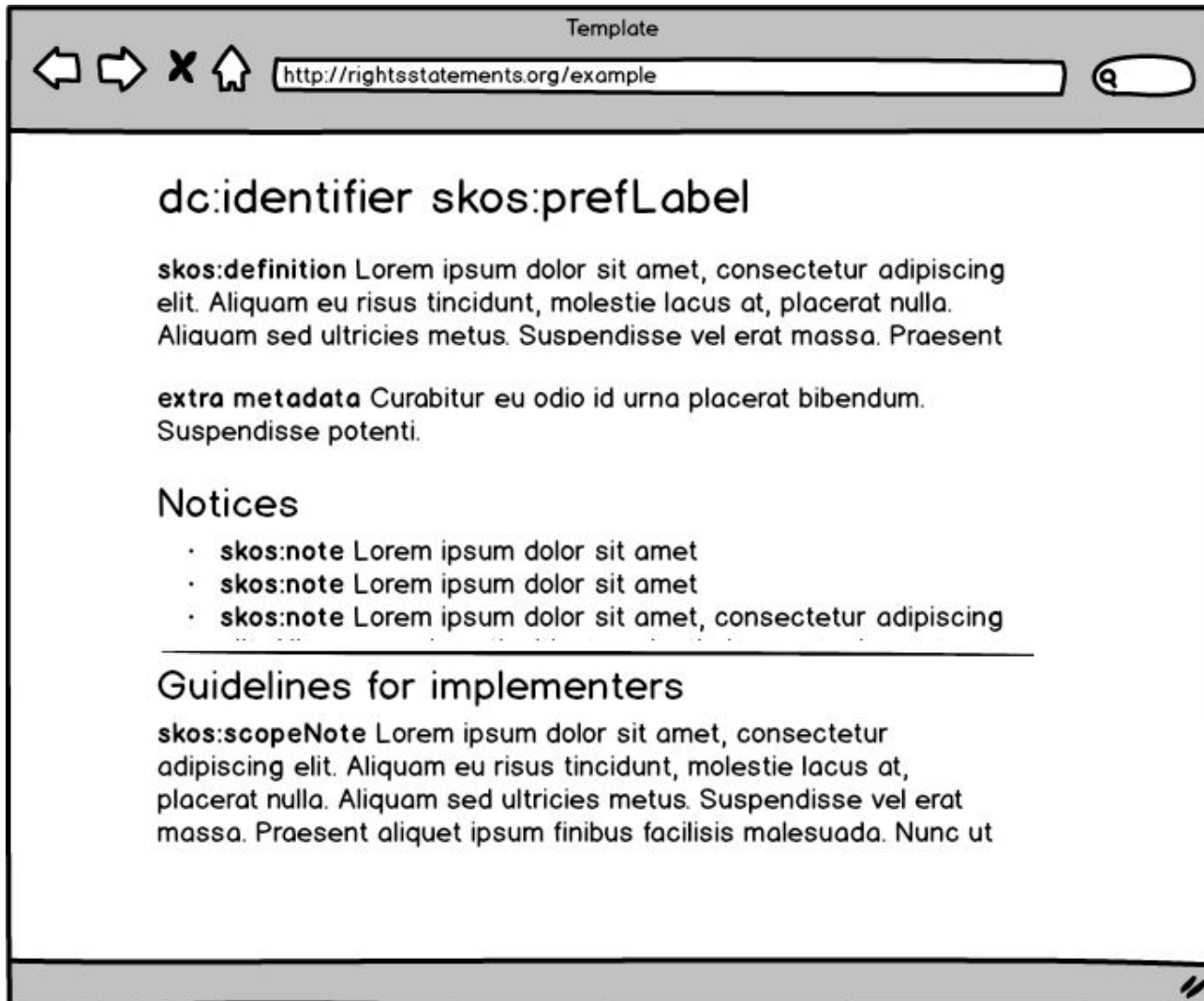- Allows for interoperability with other frameworks for rights

Vocabulary reuse

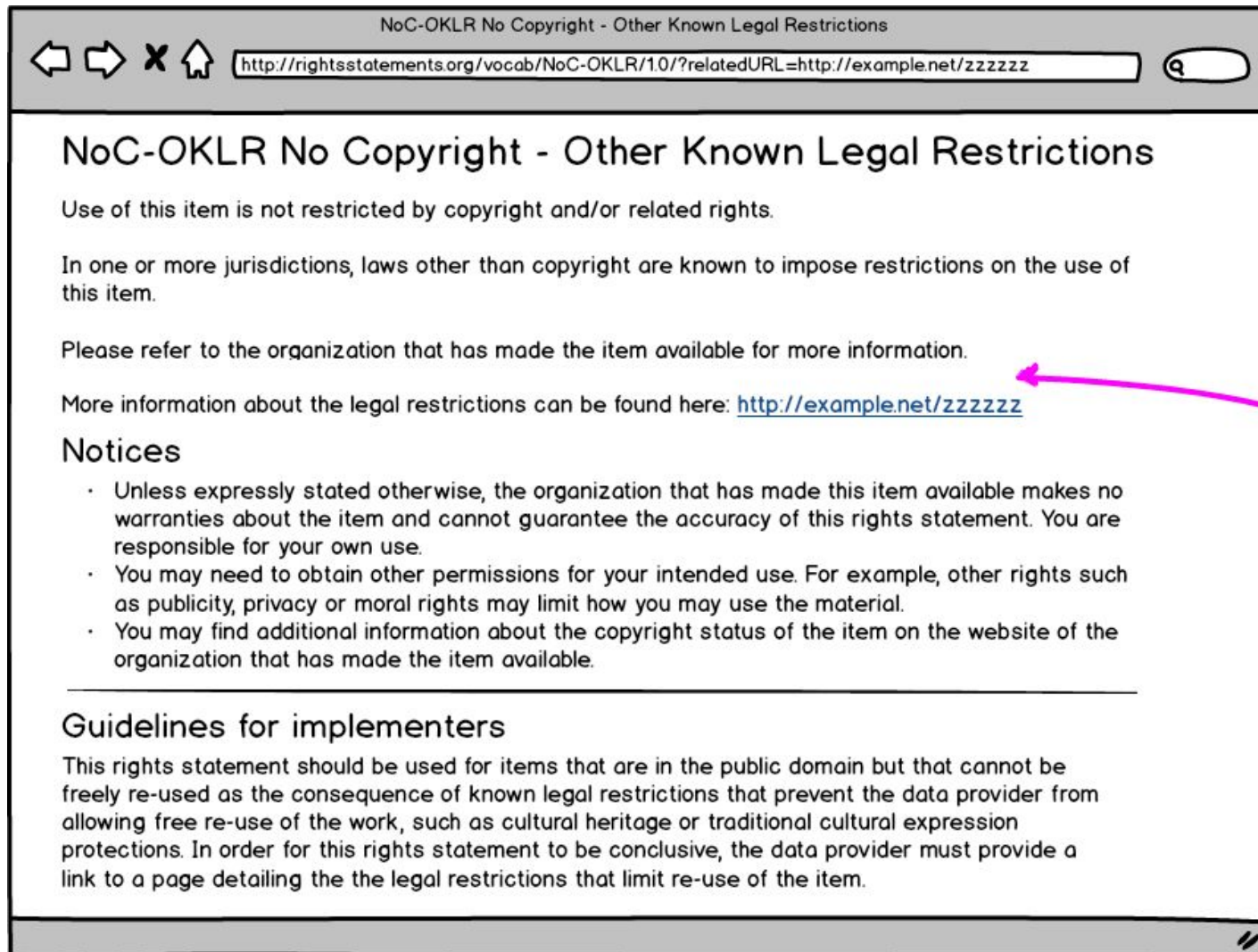| Source	Prefix abbreviation	Namespace
Creative Commons Rights Expression Language (ccREL)	cc:	http://creativecommons.org/ns#
Dublin Core Elements 1.1	dc:	http://purl.org/dc/elements/1.1/
DCMI Type Vocabulary	dcmitype:	http://purl.org/dc/dcmitype/
DCMI Metadata Terms	dcterms:	http://purl.org/dc/terms/
Europeana Data Model	edm:	http://www.europeana.eu/schemas/edm/
ODRL	odrl:	http://www.w3c.org/ns/odrl/2/
PREMIS Copyright Status	premiscopy:	http://id.loc.gov/vocabulary/preservation/copyrightStatus/
SKOS	skos:	http://www.w3.org/2004/02/skos/core#
OWL	owl:	http://www.w3.org/2002/07/owl#
ODRS	odrs:	http://schema.theodi.org/odrs#

Vocabulary alignment

Mapping to statements

Mapping to statements

NoC-OKLR No Copyright - Other Known Legal Restrictions

http://rightsstatements.org/vocab/NoC-OKLR/1.0/?relatedURL=http://example.net/zzzzzz

NoC-OKLR No Copyright - Other Known Legal Restrictions

Use of this item is not restricted by copyright and/or related rights.

In one or more jurisdictions, laws other than copyright are known to impose restrictions on the use of this item.

Please refer to the organization that has made the item available for more information.

More information about the legal restrictions can be found here: http://example.net/zzzzzz

Notices

· Unless expressly stated otherwise, the organization that has made this item available makes no warranties about the item and cannot guarantee the accuracy of this rights statement. You are responsible for your own use.
· You may need to obtain other permissions for your intended use. For example, other rights such as publicity, privacy or moral rights may limit how you may use the material.
· You may find additional information about the copyright status of the item on the website of the organization that has made the item available.

Guidelines for implementers

This rights statement should be used for items that are in the public domain but that cannot be freely re-used as the consequence of known legal restrictions that prevent the data provider from allowing free re-use of the work, such as cultural heritage or traditional cultural expression protections. In order for this rights statement to be conclusive, the data provider must provide a link to a page detailing the the legal restrictions that limit re-use of the item.

Mapping to statements

Short name of RS `dc:identifier`	**Name of Rights Statement** `skos:prefLabel`
URI for Rights Statement	
One sentence description of the Rights Statement. This will not be displayed as part of the Rights Statement. Intended for use in documents or on websites describing the Rights Statements. `not mapped`	
Text of the Rights Statement `skos:definition`	
Notices: One or more notices related to the Rights Statement `skos:note`	
Disclaimer regarding this being a Rights Statement and not a legally operative License summary. `not mapped`	
Generic selection criteria for the Rights Statement. Short text that describes when this Rights Statement should be used, aimed primarily at data providers. This text will not be displayed as parts of the Rights Statement. `skos:scopeNote`	
Extra metadata `not mapped`	For some statements it is possible to provide additional metadata which triggers the display of optional information at the text of the Rights Statement (and above the notices). If this is the case this will be noted here. Specific behavior is specified by keywords in bold as described by RFC2119.[34]

`skos:Concept`
`dcterms:RightsStatement`

URI/resource structure

Resource type	Pattern and example URIs without base URI **$variable** denotes variables; *[ ]* denotes **OPTIONAL** components
Rights statement / vocabulary concept (vocab)	/vocab/**$id**/**$version**/ /vocab/InC/1.0/ /vocab/NoC-CR/1.0/
Machine-readable RDF representation (data)	/data/**$id**/**$version**[.**$extension**] /data/InC/1.0/ /data/InC/1.0.ttl /data/NoC-CR/1.0/ /data/NoC-CR/1.0.json
Human-readable representation (i.e. HTML versions) (page)	/page/**$id**/**$version**/[?**$parameter**=**$value**][&**$parameter**=**$value**] /page/InC/1.0/ /page/InC/1.0/?language=es /page/NoC-CR/1.0/?language=nl&relatedURL=http://example.com/x

Additional metadata

Rights statement identifier	Parameter	Purpose/notes
InC-OW-EU	`relatedURL`	Associated record in the EU OHIM orphan works database
OOC-NC	`date`	Contact expiry date; date must be ISO 8601
NoC-CR	`relatedURL`	URL with more information on the contractual restrictions
NoC-OKLR	`relatedURL`	URL with more information on other known legal restrictions

Our infrastructure

- Currently under development by contractors

- Web application to host rights statements vocabulary following linked data best practices

- Designed to provide guidance and direction to make easy for both humans and machines to "follow their noses" for more information

Use in a local context

- Rights statement URIs, with version numbers, should be used whenever the rights statements are applied

- Can optionally include URIs for human-readable representations

- Can be used across multiple metadata schemas; recommendations forthcoming

Example (1)

```
1   @prefix cc: <http://creativecommons.org/ns#> .
2   @prefix dc: <http://purl.org/dc/elements/1.1/> .
3   @prefix dcterms: <http://purl.org/dc/terms/> .
4   @prefix edm: <http://www.europeana.eu/schemas/edm/> .
5   @prefix dpla: <http://dp.la/about/map/> .
6   @prefix ore: <http://www.openarchives.org/ore/terms/> .
7   @prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
8   @prefix skos: <http://www.w3.org/2004/02/skos/core#> .
9   @prefix foaf: <http://xmlns.com/foaf/0.1/> .
10  @prefix lcnaf: <http://id.loc.gov/authorities/names/> .
11  @prefix premis: <http://www.loc.gov/premis/rdf/v1#> .
12  @prefix ucsd: <http://library.ucsd.edu/ontology/dams4.2#> .
13
14  <obj> dcterms:rights <http://rightsstatements.org/vocab/InC-EDU/1.0/>;
15        premis:hasCopyrightJurisdiction "us";
16        dcterms:accessRights ucsd:restrictedCampus;
17        dcterms:rightsHolder lcnaf:n00085230 .
18  lcnaf:n00085230 skos:prefLabel "Doe, John, -1993" .
```

Example (2)

```
1    @prefix cc: <http://creativecommons.org/ns#> .
2    @prefix dc: <http://purl.org/dc/elements/1.1/> .
3    @prefix dcterms: <http://purl.org/dc/terms/> .
4    @prefix edm: <http://www.europeana.eu/schemas/edm/> .
5    @prefix dpla: <http://dp.la/about/map/> .
6    @prefix ore: <http://www.openarchives.org/ore/terms/> .
7    @prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
8    @prefix skos: <http://www.w3.org/2004/02/skos/core#> .
9    @prefix foaf: <http://xmlns.com/foaf/0.1/> .
10
11   <http://dp.la/api/items/fc69709e798f9ad881cf302953ad4c83> a ore:Aggregation ;
12     edm:aggregatedCHO <http://dp.
       la/api/items/fc69709e798f9ad881cf302953ad4c83#sourceResource> ;
13     edm:rights <http://rightsstatements.org/vocab/InC-EDU/1.0/> .
14
15   <http://dp.la/api/items/fc69709e798f9ad881cf302953ad4c83#sourceResource> a
       dpla:SourceResource ;
16     dc:rights "Access to the Internet Archive's Collections is granted for
       scholarship and research purposes only. Some of the content available
       through the Archive may be governed by local, national, and/or
       international laws and regulations, and your use of such content is
       solely at your own risk" ;
17     dc:creator "Boston Redevelopment Authority" ;
18     dc:title "Educational institution study" .
```

Example (3)

```
1   @prefix cc: <http://creativecommons.org/ns#> .
2   @prefix dc: <http://purl.org/dc/elements/1.1/> .
3   @prefix dcterms: <http://purl.org/dc/terms/> .
4   @prefix edm: <http://www.europeana.eu/schemas/edm/> .
5   @prefix dpla: <http://dp.la/about/map/> .
6   @prefix odrl: <http://www.w3.org/ns/odrl/2/> .
7   @prefix odrs: <http://schema.theodi.org/odrs#> .
8   @prefix ore: <http://www.openarchives.org/ore/terms/> .
9   @prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
10  @prefix skos: <http://www.w3.org/2004/02/skos/core#> .
11
12  <http://data.europeana.eu/aggregation/provider/9200332/BibliographicResource_3000123583360>
        a ore:Aggregation ;
13    edm:aggregatedCHO <http://data.europeana.
        eu/item/9200332/BibliographicResource_3000123583360> ;
14    edm:dataProvider "Österreichische Nationalbibliothek - Austrian National Library" ;
15    edm:isShownAt <http://digital.onb.ac.at/OnbViewer/viewer.faces?doc=ABO_%2BZ175802906> ;
16    edm:provider "The European Library"@en ;
17    edm:rights [
18        odrl:inheritFrom <http://rightsstatements.org/vocab/InC-NC/1.0/> ;
19        cc:deprecatedOn "2029-11-17" ;
20        odrs:copyrightStatement <http://rightsstatements.org/page/InC-NC/1.0/?date=2029-11-17>
21    ] .
22
23  <http://data.europeana.eu/item/9200332/BibliographicResource_3000123583360> a edm:ProvidedCHO
        ;
24    dc:title "La polka, vaudeville en un acte" ;
25    dc:creator "Guinot, Eugene", "Berat, Frederic" .
```

Technical Working Group

- Valentine Charles (Europeana)

- Esmé Cowles (Princeton University)

- Karen Estlund (Penn State)

- Tom Johnson (DPLA)

- Patrick Peiffer (B.n. de Luxembourg)

- Richard J. Urban (Florida State University)

- Maarten Zeinstra (Kennisland)

Thank You!

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@anarchivist

More information:

- White paper: **bit.ly/rstech-whitepaper**
- Data model: **bit.ly/rights-data-model**