



Licenses and Waivers in Practice

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ISWC2009 Tutorial on Legal and Social Frameworks for Sharing Data on the Web

<http://www.opendatacommons.org/events/iswc-2009-legal-social-sharing-data-web/>



Overview

- Copyrightable Material
 - Applying Creative Commons licenses
- Non-copyrightable Material
 - Describing a Data Set with voidID
 - Applying Waivers and Norms
- Special Cases: SPARQL Queries
 - SELECT query responses
 - DESCRIBE query responses
 - CONSTRUCT query responses
















Copyrightable Material



1. Choose a CC License

Creative Commons Licenses

The following are the six current license choices available from our [choose a license](#) application, along with previous versions that have been phased out. They are shown by name along the license characteristics that accompany them. [This page explains what each icon represents.](#)

Name	Characteristics
Version 3.0 Licenses:	
Attribution	
Attribution-NoDerivs	 
Attribution-NonCommercial-NoDerivs	  
Attribution-NonCommercial	 
Attribution-NonCommercial-ShareAlike	  
Attribution-ShareAlike	 



2. Add RDF Triples to Link Resource to License

```

@prefix rev: <http://purl.org/stuff/rev#> .
@prefix cc: <http://creativecommons.org/ns#> .

<http://revyu.com/reviews/fa993986b4c04ef89c2d07ff675aa6894cb3f615>
  rdf:type <http://purl.org/stuff/rev#Review> ;
  rdfs:label "Review of The Little Owl, Solihull, Birmingham" ;
  rev:reviewer <http://revyu.com/people/tom> ;
  rev:rating "3" ;
  rev:text "Not bad for a pub next to the business park..." ;
  ...
  cc:license <http://creativecommons.org/licenses/by-sa/3.0/> .
  
```

How the License looks in RDF

```

<http://creativecommons.org/licenses/by-sa/3.0/>
  cc:permits
    cc:DerivativeWorks ,
    cc:Distribution ,
    cc:Reproduction ;
  cc:requires
    cc:Attribution ,
    cc:Notice ,
    cc:ShareAlike ;
  dc:creator <http://creativecommons.org/> ;
  dc:title "Attribution-Share Alike 3.0 Unported" ;
  xhv:alternate
    <http://creativecommons.org/licenses/by-sa/3.0/deed.af> ,
    ...
    <http://creativecommons.org/licenses/by-sa/3.0/rdf> .
  
```



Non-copyrightable Material



Apply Waivers and Norms to Data Sets

- *void: Vocabulary of Interlinked Data Sets*
 - *A vocabulary and a set of instructions that enables the discovery and usage of linked datasets*
 - *A linked dataset is a collection of data, published and maintained by a single provider, available as RDF on the Web...*
 - <http://rdfs.org/ns/void/html>
 - A vocabulary for describing (aspects of) data sets

Describe your Data Set with void

```
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .  
@prefix foaf: <http://xmlns.com/foaf/0.1/> .  
@prefix dcterms: <http://purl.org/dc/terms/> .  
@prefix void: <http://rdfs.org/ns/void#> .
```

```
<http://revyu.com/datasets/things>  
  rdf:type void:Dataset ;  
  dcterms:title "Revyu Things" ;  
  dcterms:description "All the Things in the Revyu dataset" ;  
  foaf:homepage <http://revyu.com/things/> ;  
  void:exampleResource  
    <http://revyu.com/things/the-little-owl-solihull-birmingham> .
```

Choose a Waiver (and Norms) for your Data Set

- ODC PDDL
 - Waiver:
 - <http://www.opendatacommons.org/odc-public-domain-dedication-and-licence/>
 - Norms:
 - <http://www.opendatacommons.org/norms/odc-by-sa/>
- CC0
 - Waiver:
 - <http://creativecommons.org/publicdomain/zero/1.0/>



Add Waiver Statements to your void Description

```
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .  
@prefix foaf: <http://xmlns.com/foaf/0.1/> .  
@prefix dcterms: <http://purl.org/dc/terms/> .  
@prefix void: <http://rdfs.org/ns/void#> .  
@prefix wv: <http://vocab.org/waiver/terms/> .
```

```
<http://revyu.com/datasets/things>
```

```
  rdf:type void:Dataset ;  
  dcterms:title "Revyu Things" ;  
  dcterms:description "All the Things in the Revyu dataset" ;  
  ...
```

```
wv:waiver
```

```
  <http://www.opendatacommons.org/odc-public-domain-dedication-  
    and-licence/> ;
```

```
wv:norms
```

```
  <http://www.opendatacommons.org/norms/odc-by-sa/> .
```



Tying it all Together

```
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
```

```
@prefix dcterms: <http://purl.org/dc/terms/> .
```

```
@prefix void: <http://rdfs.org/ns/void#> .
```

```
@prefix cc: <http://creativecommons.org/ns#> .
```

```
@prefix wv: <http://vocab.org/waiver/terms/> .
```

```
<http://revyu.com/datasets/all>
```

```
  rdf:type void:Dataset ;
```

```
  dcterms:title "Revyu Data" ;
```

```
  void:subset <http://revyu.com/datasets/things> ;
```

```
  void:subset <http://revyu.com/datasets/reviews> .
```

```
<http://revyu.com/datasets/things>
```

```
  wv:waiver <http://www.opendatacommons.org/odc-public-domai...> ;
```

```
  wv:norms <http://www.opendatacommons.org/norms/odc-by-sa/> .
```

```
<http://revyu.com/datasets/reviews>
```

```
  cc:license <http://creativecommons.org/licenses/by-sa/3.0/> .
```

See Also

- **Linked Data and the Public Domain, by Ian Davis**
 - <http://blogs.talis.com/nodalities/2009/07/linked-data-public-domain.php>



Special Cases: SPARQL Query Responses



SELECT Query Responses

- SPARQL Query Results XML Format
 - <http://www.w3.org/TR/rdf-sparql-XMLres/>

```

<?xml version="1.0"?>
<sparql xmlns="http://www.w3.org/2005/sparql-results#">

<head>
  <variable name="thing"/>
  <variable name="review"/>
  <variable name="reviewer"/>
  <variable name="rating"/>
  <variable name="text"/>
</head>
...
</sparql>

```

SELECT Query Responses

```

<?xml version="1.0"?>
<sparql xmlns="http://www.w3.org/2005/sparql-results#">

<head>
  <variable name="thing"/>
  <variable name="review"/>
  <variable name="reviewer"/>
  <variable name="rating"/>
  <variable name="text"/>
  <link href="http://revyu.com/void.rdf"/>
</head>
...
</sparql>

```

- But what type of link is this?
- See: http://www.w3.org/2009/sparql/wiki/Feature:Query_response_linking

DESCRIBE Query Responses

```
@prefix rev: <http://purl.org/stuff/rev#> .
```

```
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
```

```
@prefix dcterms: <http://purl.org/dc/terms/> .
```

```
@prefix f: <http://xmlns.com/foaf/0.1/> .
```

```
@prefix reviews <http://revyu.com/reviews/>
```

```
<>
```

```
dcterms:isPartOf <http://revyu.com/datasets/all> ;
```

```
f:primaryTopic reviews:8bd3f38371e06817e3011c72141cb46002438713 .
```

```
<http://revyu.com/reviews/8bd3f38371e06817e3011c72141cb46002438713>
```

```
  rdf:type rev:Review ;
```

```
  rev:rating: "5" ;
```

```
  rev:reviewer: <http://revyu.com/people/tom> ;
```

```
  rev:text "..."
```

DESCRIBE Query Responses

```
@prefix rev: <http://purl.org/stuff/rev#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix dcterms: <http://purl.org/dc/terms/> .
@prefix f: <http://xmlns.com/foaf/0.1/> .
@prefix reviews <http://revyu.com/reviews/>
```

```
<>
  void:inDataset?
  dcterms:isPartOf <http://revyu.com/datasets/all> ;
  f:primaryTopic reviews:8bd3f38371e06817e3011c72141cb46002438713 .

<http://revyu.com/reviews/8bd3f38371e06817e3011c72141cb46002438713>
  rdf:type rev:Review ;
  rev:rating: "5" ;
  rev:reviewer: <http://revyu.com/people/tom> ;
  rev:text "..."
```

CONSTRUCT Query Responses

- ??
- Is it acceptable to inject additional triples the user has not requested?
- Who has rights to 'new' triples CONSTRUCTed by the query?

Questions

- Acknowledgements
 - Leigh Dodds
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 - voiD Team
- Slides
 - <http://tomheath.com/slides/2009-10-washington-licenses-and-waivers-in-practice.pdf>