OREGON DIGITAL

Collaborative Hydra Development
Oregon State University and University of Oregon

Project Overview

The University of Oregon (UO) Libraries and Oregon State University (OSU) Libraries & Press have been successfully collaborating on a digital asset management system since 2009, OregonDigital.org. OregonDigital.org holds diverse collections of digital archival materials from art slides to faculty research to traditional digitized and born-digital archival collections. In addition, we host unique collections from local government, historical societies, and museums. We selected Hydra in fall 2012 as our next generation DAMS, and development on a prototype began in winter 2013. The prototype was approved and permission to proceed was granted in late summer 2013. Both institutions joined as Hydra partners in spring 2014. Migration is underway, and Oregon Digital will fully launch on Hydra in late fall 2014.

Goals:
- Move to more flexible, open, and reliable system
- Create a digital collections infrastructure that is preservation ready
- Create a user-friendly digital collections interface that is in [better] compliance with accessibility standards
- Create an infrastructure for digital collections that can be extended to support new innovations in digital scholarship, data management, and other emerging needs
- Keep up with latest trends in digital collections and digital asset management
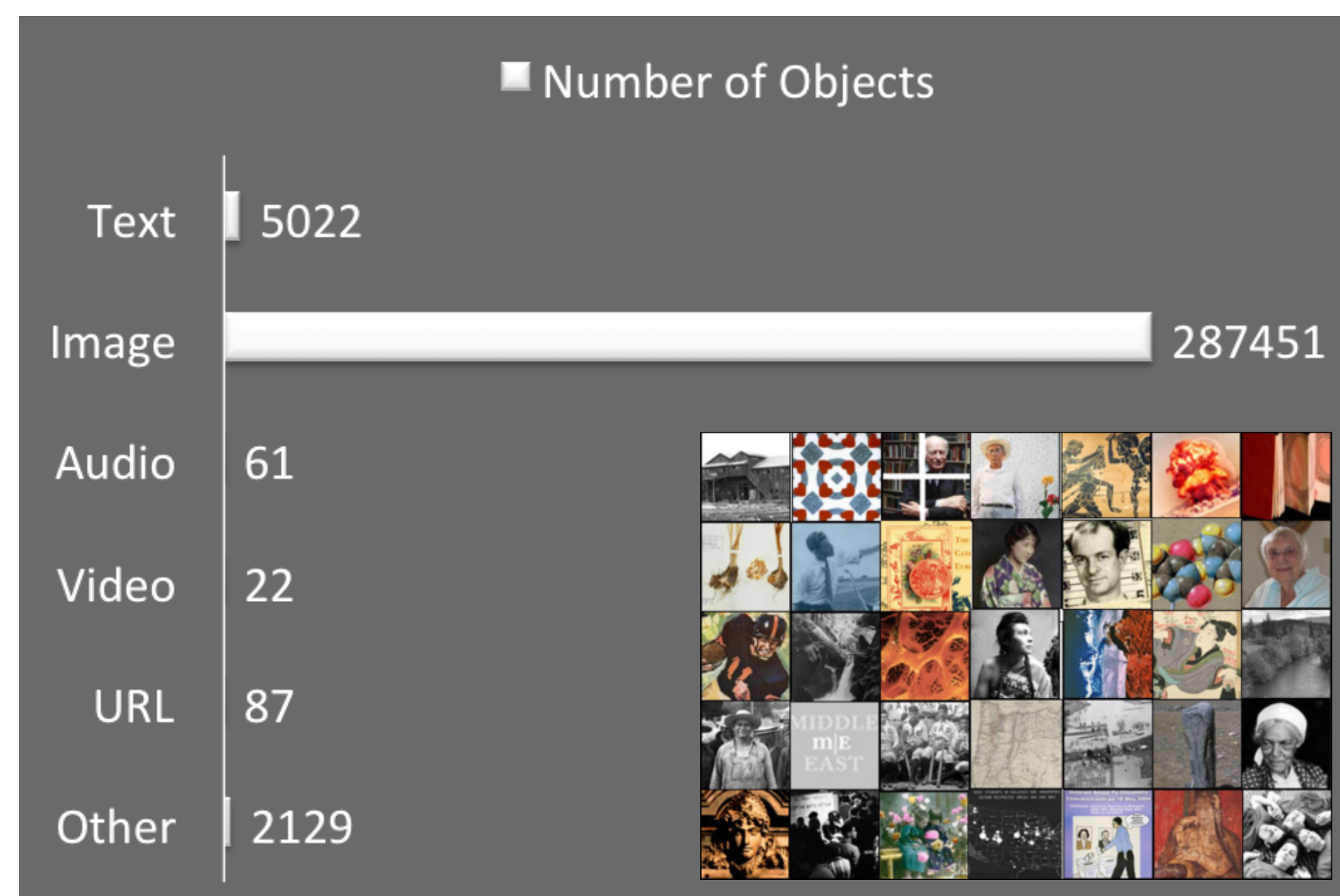- Implement Linked Open Data for metadata wherever possible

Opaque Namespace

Locally hosted predicates and controlled vocabulary terms: https://github.com/OregonDigital/opaque_ns
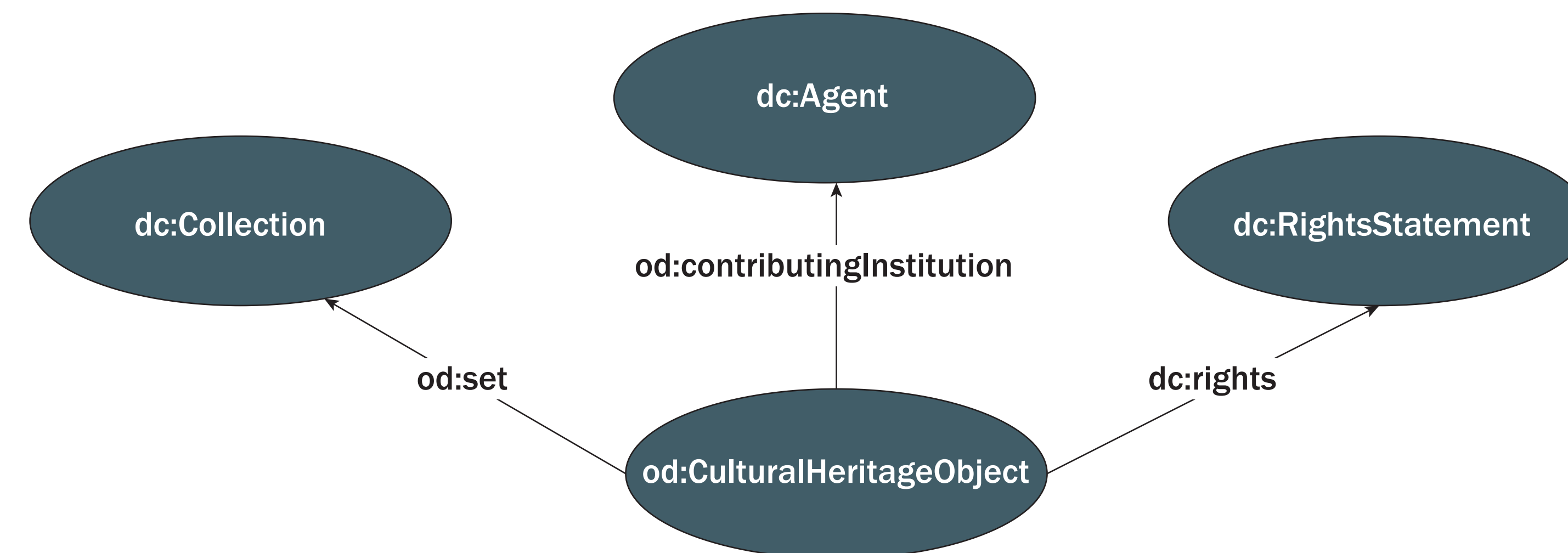
```
{
  "@id": "http://opaquenamespace.org/rights/educational",
  "@type": [
    "RightsStatement"
  ],
  "description": "Educational use is permitted without permission. Permission may be required for additional uses.",
  "label": "Educational Use Permitted"
},
{
  "@id": "http://opaquenamespace.org/rights/orphan-work-us",
  "@type": [
    "RightsStatement"
  ],
  "description": "The Orphan works statement can be applied to objects that have been identified as orphan works in the
  "label": "Orphan Work"
}
```

Ingest (Roles, Web Form, Templates, Batch)

Collections Overview

Number of Objects

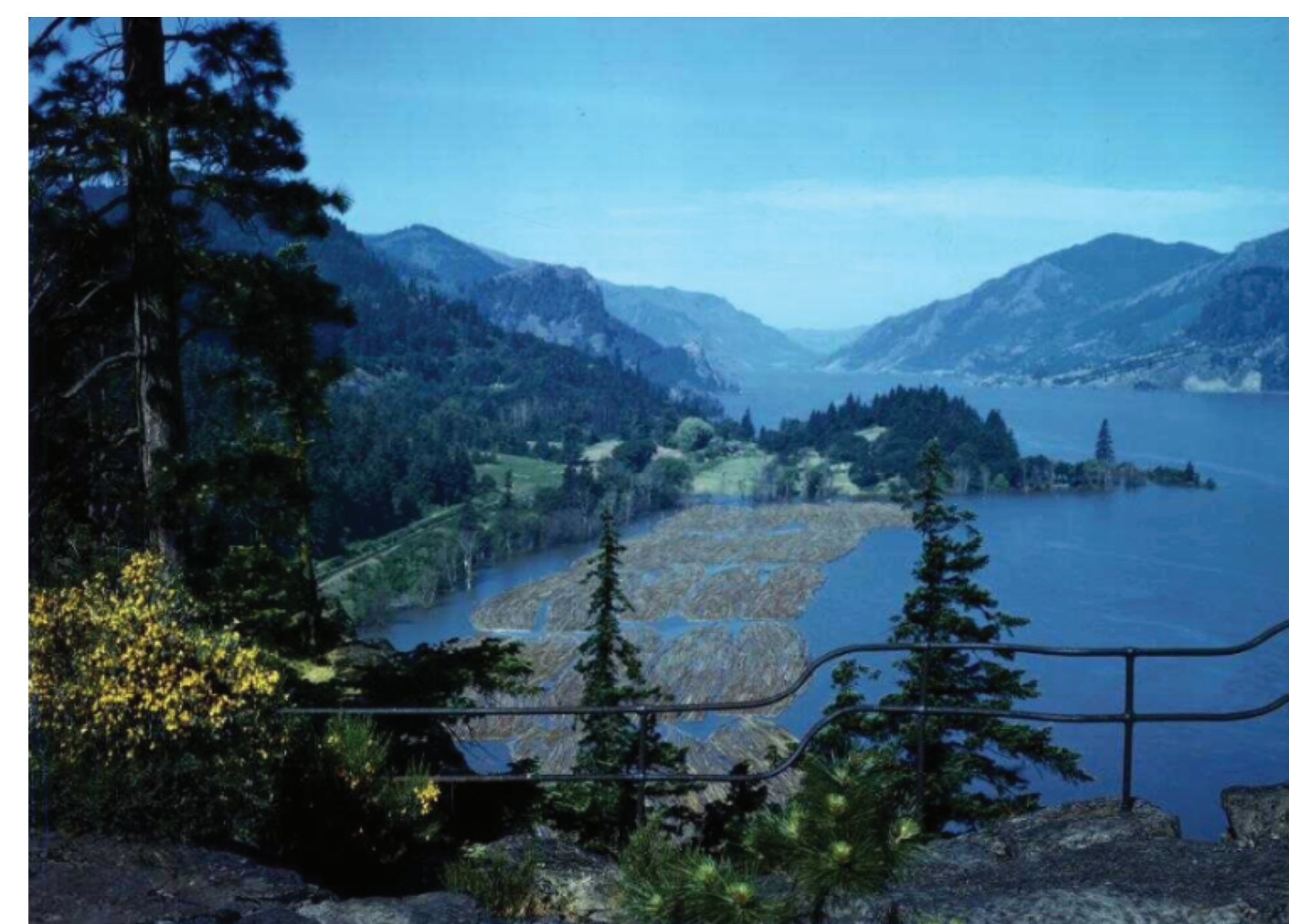|	
Text	5022
Image	287451
Audio	61
Video	22
URL	87
Other	2129

- 70 collections/sets
- Over 300 different metadata fields
- 298,000 objects with over 2,000 multi-file / compound objects
- Includes open and IP-restricted objects

od:contributingInstitution

dc:Agent — dc:Collection — dc:RightsStatement

od:set — od:CulturalHeritageObject — dc:rights

CDM2Bag

```
title: dct:title
creato: dce:creator
date:
  method: xsd_date
descri: dct:description
subjec:
  method: lcsubject
geogra:
  method: geographic_oe
huc: oregon:hydrologicUnitCode
type:
  method: aat
identi: dct:identifier
format: oregon:conversionSpecifications
contra:
  method: institution
dmrecord:
  method: replace
contra: marcrel:rps
```

CDM2Bag: https://github.com/OregonDigital/cdm2bag
Metadata Application Profile: http://goo.gl/omIsGE
Rights Statements: http://oregondigital.org/copyright


```
<id> <http://purl.org/dc/terms/title> "Log floats on the Columbia River, viewed from the grounds
  of the Columbia Gorge Hotel" .
<id> <http://purl.org/dc/elements/1.1/creator> "Gifford, Ralph" .
<id> <http://purl.org/dc/terms/date> "1940" .
<id> <http://purl.org/dc/terms/subject> <http://id.loc.gov/authorities/subjects/sh85114250> .
<id> <http://purl.org/dc/terms/subject> <http://id.loc.gov/authorities/subjects/sh85019838> .
<id> <http://purl.org/dc/terms/spatial> <http://sws.geonames.org/5728326/> .
<id> <http://opaquenamespace.org/ns/hydrologicUnitCode> "17070105" .
```

Active Triples

```
module ActiveTriples
  autoload :Resource,          'active_triples/resource'
  autoload :List,              'active_triples/list'
  autoload :Term,              'active_triples/term'
  autoload :Indexing,          'active_triples/indexing'
  autoload :Configurable,      'active_triples/configurable'
  autoload :Properties,        'active_triples/properties'
  autoload :Repositories,      'active_triples/repositories'
  autoload :NodeConfig,        'active_triples/node_config'
  autoload :NestedAttributes,  'active_triples/nested_attributes'
```

Viewers

Weighing hops

The Beaver 1940

Interview with Jack William Heide: Audio

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Oregon State UNIVERSITY | Libraries and Press