

iBrowse

An Islandora Repository Tool

Peter MacDonald
Hamilton College
Clinton, New York

OR2013, PEI

What is browsed?

- object properties
 - date created, status, owner
- object types
 - collections, content, content models, service definitions, etc.
- datastream properties
 - ID, label, MIME type, version
- object relationships
 - isMemberOfCollection, isPageOf, etc.

Technology Used

- Drupal module (because it's Islandora)
- PHP (because it's Drupal)
- ITQL queries (because it's RISearch index)
- XSLT (because the results are SPARQL)
- XHTML (because that's what browsers like)

Dublin Core Search

Field

dc.identifier

Search terms

Search input field

+ button

Search

Navigation

- ▶ [Add content](#)
- ▶ [Islandora Repository](#)

Management

- ▶ [Administration](#)

Development

ICG Utilities

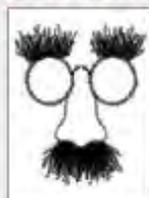
View Edit Devel

iBrowse

A Drupal 7 Module for Managing Fedora Object Properties and Relationships in Islandora Repositories

[<View iBrowse>](#)

iBrowse



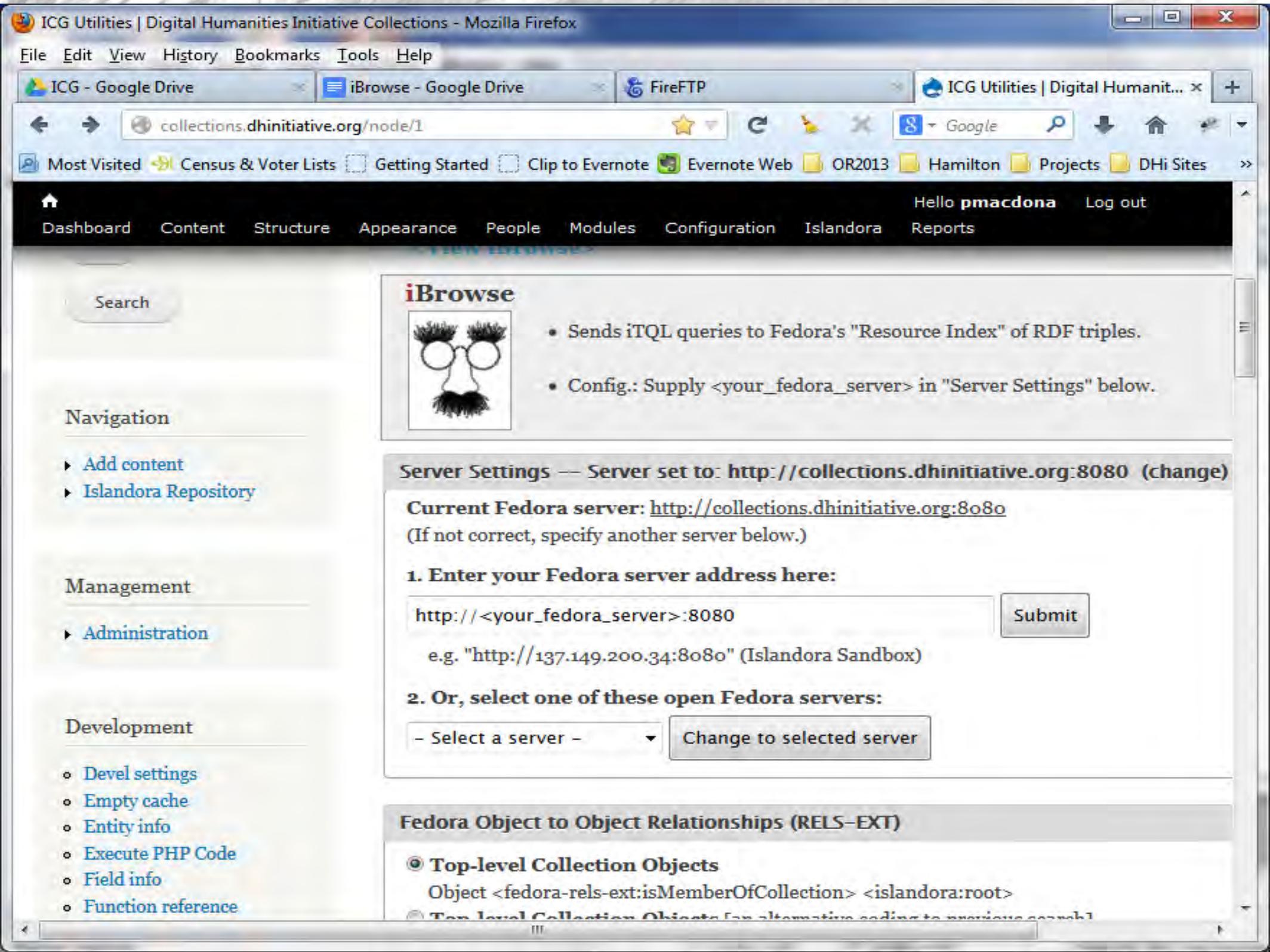
- Sends iTQL queries to Fedora's "Resource Index" of RDF triples.
- Config.: Supply <your_fedora_server> in "Server Settings" below.

Server Settings — Server set to: <http://collections.dhinitiative.org:8080> (change)

Fedora Object to Object Relationships (RELS-EXT)

- Top-level Collection Objects**
Object <fedora-rels-ext:isMemberOfCollection> <islandora:root>
- Top-level Collection Objects** [an alternative coding to previous search]
Object <fedora-rels-ext:isMemberOf> <islandora:root>
- Compound Objects***
Object <fedora-rels-ext:isMemberOf> Object

Submit



Search

Navigation

- ▶ Add content
- ▶ Islandora Repository

Management

- ▶ Administration

Development

- Devel settings
- Empty cache
- Entity info
- Execute PHP Code
- Field info
- Function reference

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- Sends iTQL queries to Fedora's "Resource Index" of RDF triples.
- Config.: Supply <your_fedora_server> in "Server Settings" below.

Server Settings — Server set to: http://collections.dhinitiative.org:8080 (change)

Current Fedora server: http://collections.dhinitiative.org:8080 (If not correct, specify another server below.)

1. Enter your Fedora server address here:

http://<your_fedora_server>:8080 Submit

e.g. "http://137.149.200.34:8080" (Islandora Sandbox)

2. Or, select one of these open Fedora servers:

- Select a server - Change to selected server

Fedora Object to Object Relationships (RELS-EXT)

- ◉ Top-level Collection Objects
 - Object <fedora-rels-ext:isMemberOfCollection> <islandora:root>

- o [Entity info](#)
- o [Execute PHP Code](#)
- o [Field info](#)
- o [Function reference](#)
- o [Hook_elements\(\)](#)
- o [Menu item](#)
- o [PHPinfo\(\)](#)
- o [Rebuild menus](#)
- o [Reinstall modules](#)
- o [Run cron](#)
- o [Session viewer](#)
- o [Theme registry](#)
- o [Variable editor](#)

Fedora Content Model Relationships (RELS-EXT)

- hasModel** (Object <fedora-model:hasModel> CModel Object)
(images, books, pages, videos, custom content models, etc.)
- hasService** (CModel Object <fedora-model:hasService> SDef Object)
- isContractorOf** (SDef Object <fedora-model:isContractorOf> CModel Object)
- isDeploymentOf** (SDep Object <fedora-model:isDeploymentOf> SDef Object)

Fedora Miscellaneous Relationships (RELS-EXT)

- definesMethod** (Object <fedora-model:definesMethod> Method)
- isPageNumber** (Object <fedora-rels-ext:isPageNumber> Number)

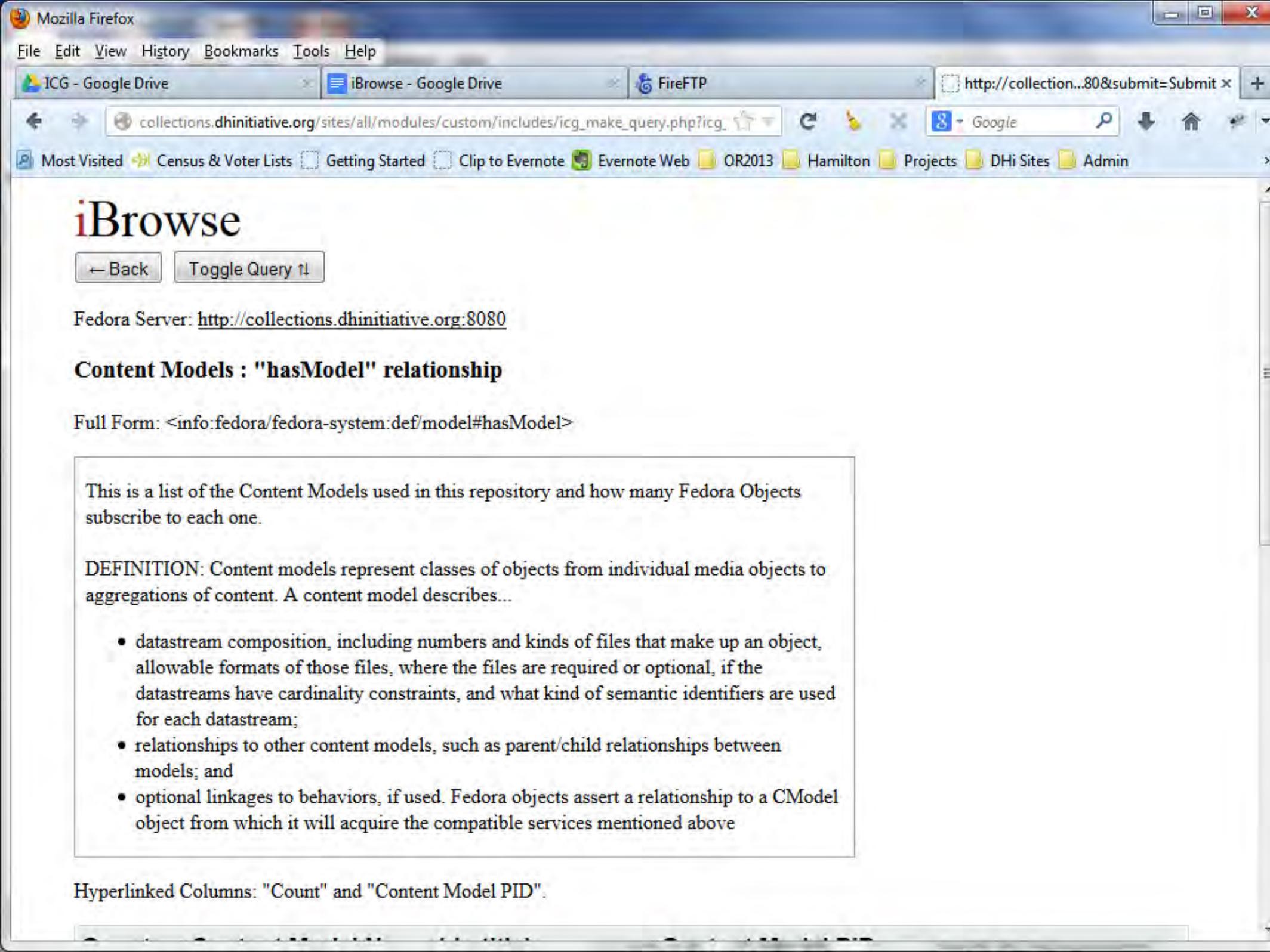
Islandora Relationships

Islandora Relationships*

Select a Relationship ▼

* This list of Islandora relationships may not be complete and your repository may not necessarily use even these.

Custom/Local Relationships (RELS-EXT)



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Fedora Server: <http://collections.dhinitiative.org:8080>

Content Models : "hasModel" relationship

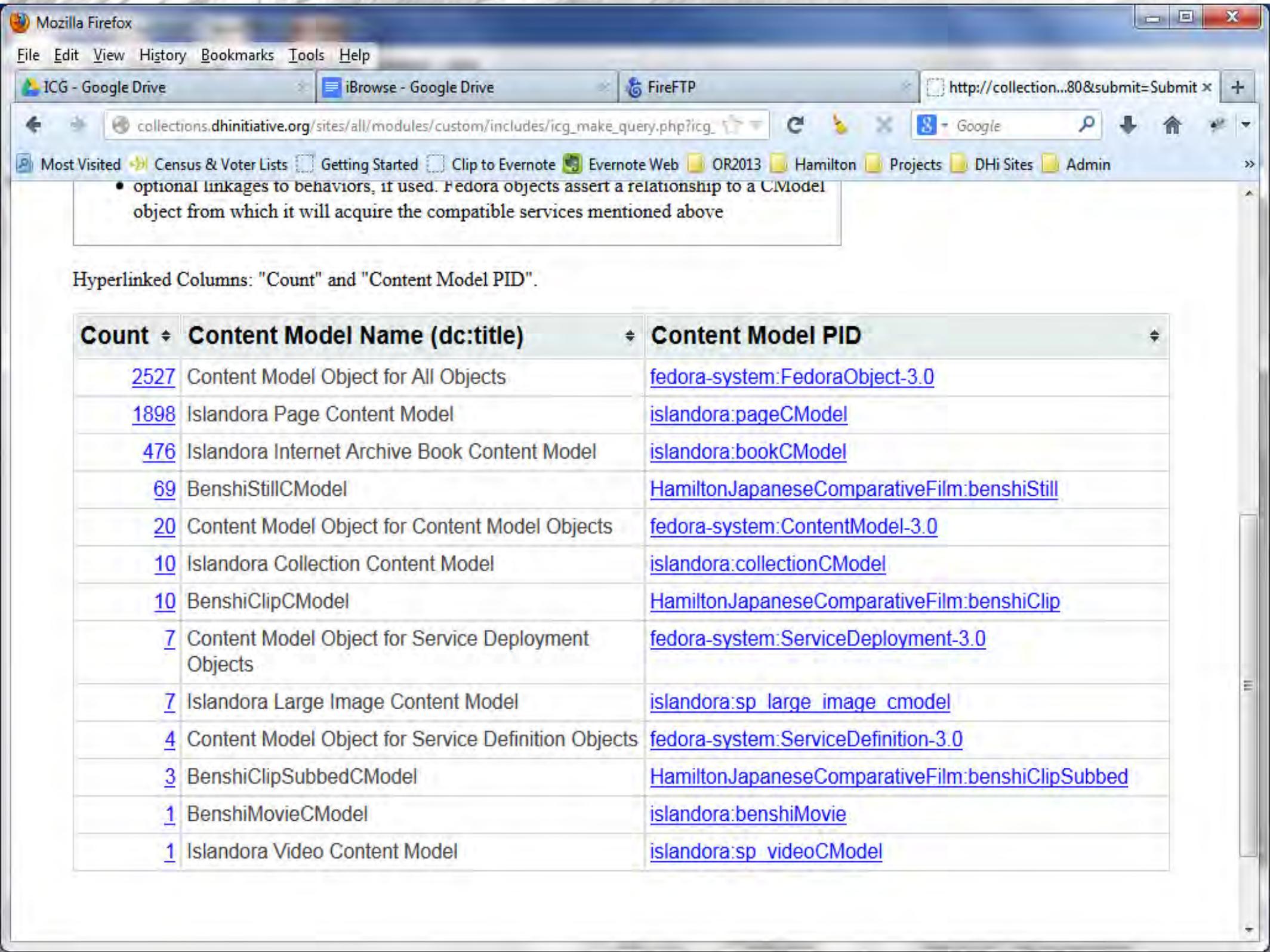
Full Form: <info:fedora/fedora-system:def/model#hasModel>

This is a list of the Content Models used in this repository and how many Fedora Objects subscribe to each one.

DEFINITION: Content models represent classes of objects from individual media objects to aggregations of content. A content model describes...

- datastream composition, including numbers and kinds of files that make up an object, allowable formats of those files, where the files are required or optional, if the datastreams have cardinality constraints, and what kind of semantic identifiers are used for each datastream;
- relationships to other content models, such as parent/child relationships between models; and
- optional linkages to behaviors, if used. Fedora objects assert a relationship to a CModel object from which it will acquire the compatible services mentioned above

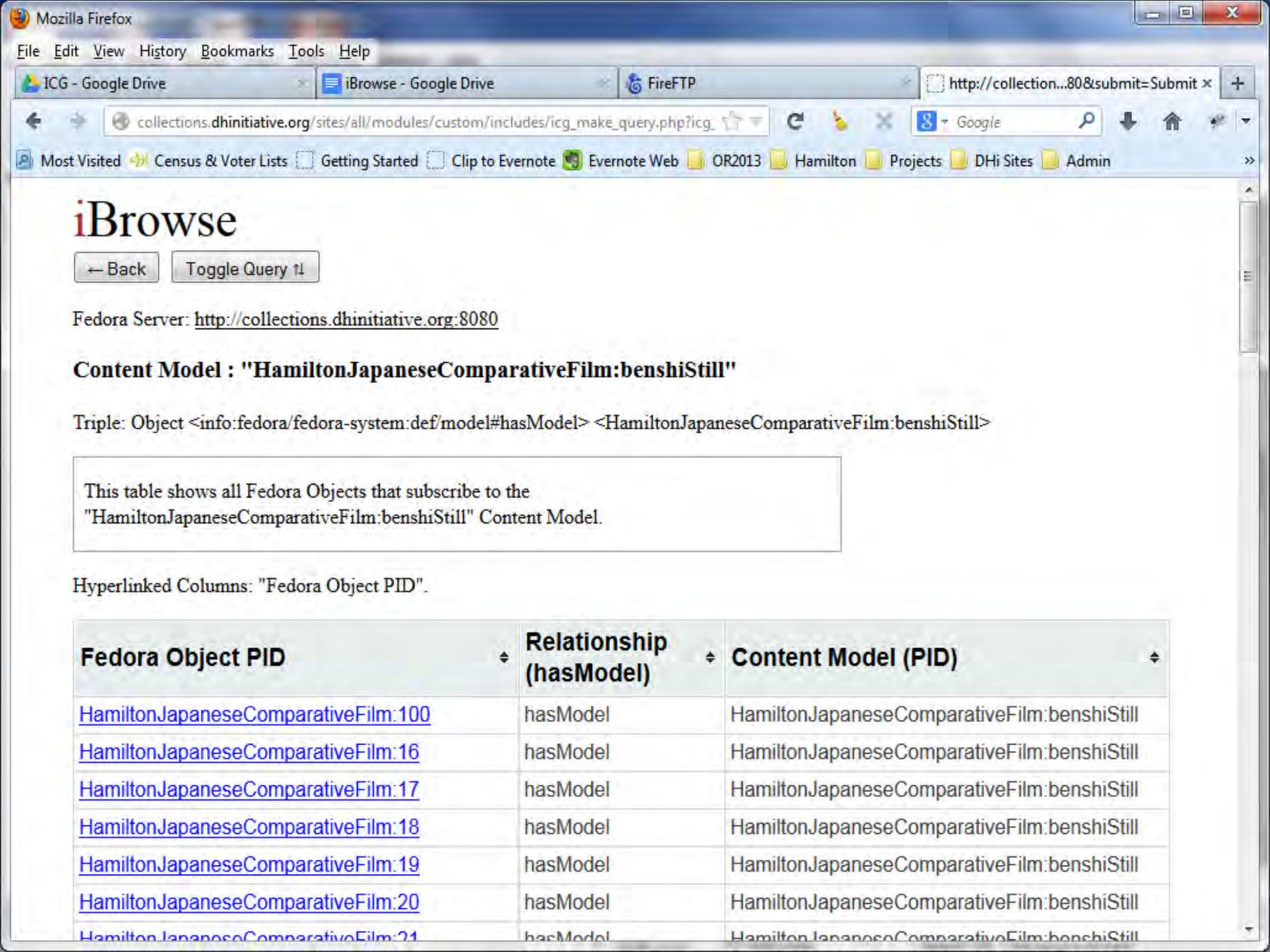
Hyperlinked Columns: "Count" and "Content Model PID".



- optional linkages to behaviors, if used. Fedora objects assert a relationship to a CModel object from which it will acquire the compatible services mentioned above

Hyperlinked Columns: "Count" and "Content Model PID".

Count	Content Model Name (dc:title)	Content Model PID
2527	Content Model Object for All Objects	fedora-system:FedoraObject-3.0
1898	Islandora Page Content Model	islandora:pageCModel
476	Islandora Internet Archive Book Content Model	islandora:bookCModel
69	BenshiStillCModel	HamiltonJapaneseComparativeFilm:benshiStill
20	Content Model Object for Content Model Objects	fedora-system:ContentModel-3.0
10	Islandora Collection Content Model	islandora:collectionCModel
10	BenshiClipCModel	HamiltonJapaneseComparativeFilm:benshiClip
7	Content Model Object for Service Deployment Objects	fedora-system:ServiceDeployment-3.0
7	Islandora Large Image Content Model	islandora:sp_large_image_cmodel
4	Content Model Object for Service Definition Objects	fedora-system:ServiceDefinition-3.0
3	BenshiClipSubbedCModel	HamiltonJapaneseComparativeFilm:benshiClipSubbed
1	BenshiMovieCModel	islandora:benshiMovie
1	Islandora Video Content Model	islandora:sp_videoCModel



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Fedora Server: <http://collections.dhinitiative.org:8080>

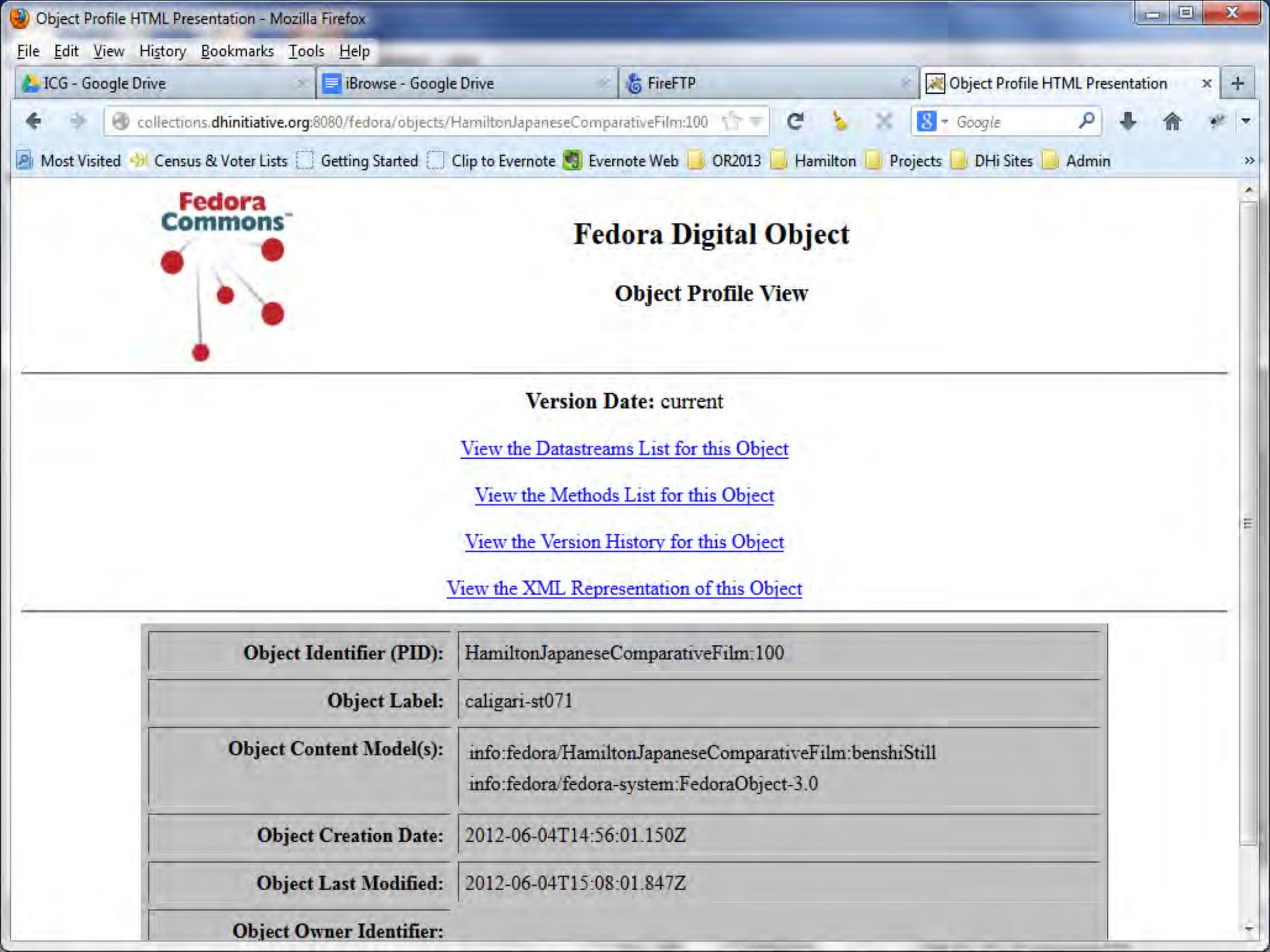
Content Model : "HamiltonJapaneseComparativeFilm:benshiStill"

Triple: Object <info:fedora/fedora-system:def/model#hasModel> <HamiltonJapaneseComparativeFilm:benshiStill>

This table shows all Fedora Objects that subscribe to the "HamiltonJapaneseComparativeFilm:benshiStill" Content Model.

Hyperlinked Columns: "Fedora Object PID".

Fedora Object PID	Relationship (hasModel)	Content Model (PID)
HamiltonJapaneseComparativeFilm:100	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:16	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:17	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:18	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:19	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:20	hasModel	HamiltonJapaneseComparativeFilm:benshiStill
HamiltonJapaneseComparativeFilm:21	hasModel	HamiltonJapaneseComparativeFilm:benshiStill



Fedora Digital Object

Object Profile View

Version Date: current

[View the Datastreams List for this Object](#)

[View the Methods List for this Object](#)

[View the Version History for this Object](#)

[View the XML Representation of this Object](#)

Object Identifier (PID):	HamiltonJapaneseComparativeFilm:100
Object Label:	caligari-st071
Object Content Model(s):	info:fedora/HamiltonJapaneseComparativeFilm:benshiStill info:fedora/fedora-system:FedoraObject-3.0
Object Creation Date:	2012-06-04T14:56:01.150Z
Object Last Modified:	2012-06-04T15:08:01.847Z
Object Owner Identifier:	

Custom/Local Relationships (RELS-EXT)

- Discover all Custom Relationships***
(i.e., not Fedora or Islandora relationships)

*If no custom ontology is found the results will be nil.

For performance purposes, the results of this "discovery" query has been limited to 20,000 hits (limit 20000). To change or remove the limits or the offset for this query, edit "icg_make_query.php" accordingly. Increasing the limit value might lock up your browser.

Manual Relationship Search

Enter a relationship of your choice.

Examples:

info:fedora/fedora-system:def/relations-external#isMemberOfCollection

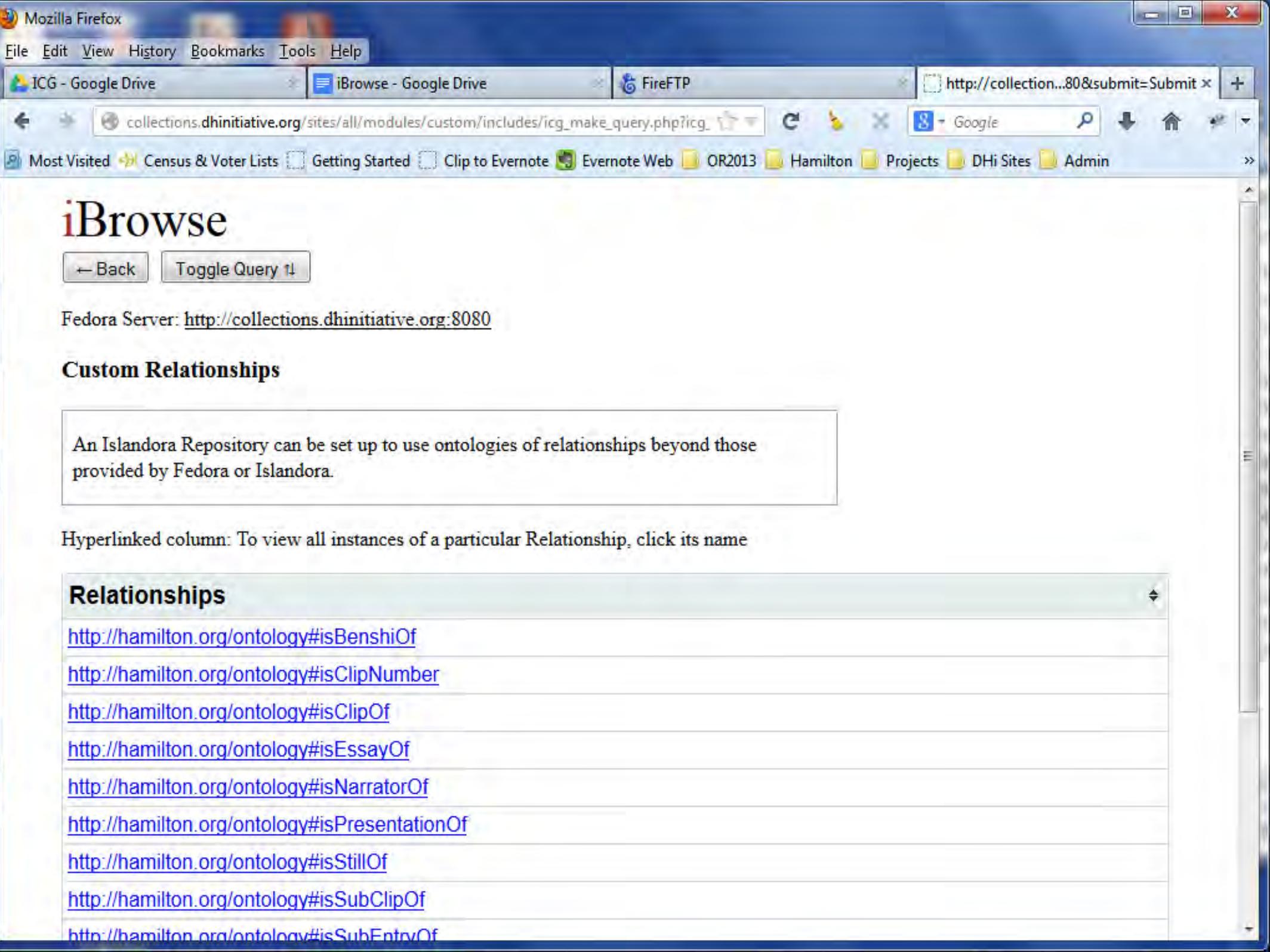
info:fedora/fedora-system:def/model#hasModel

info:fedora/fedora-system:def/view#disseminates

http://islandora.ca/ontology/re sext#isPageNumber

http://hamilton.org/ontology#isClipOf

Fedora Object-level Properties



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Fedora Server: <http://collections.dhinitiative.org:8080>

Custom Relationships

An Islandora Repository can be set up to use ontologies of relationships beyond those provided by Fedora or Islandora.

Hyperlinked column: To view all instances of a particular Relationship, click its name

Relationships

<http://hamilton.org/ontology#isBenshiOf>

<http://hamilton.org/ontology#isClipNumber>

<http://hamilton.org/ontology#isClipOf>

<http://hamilton.org/ontology#isEssayOf>

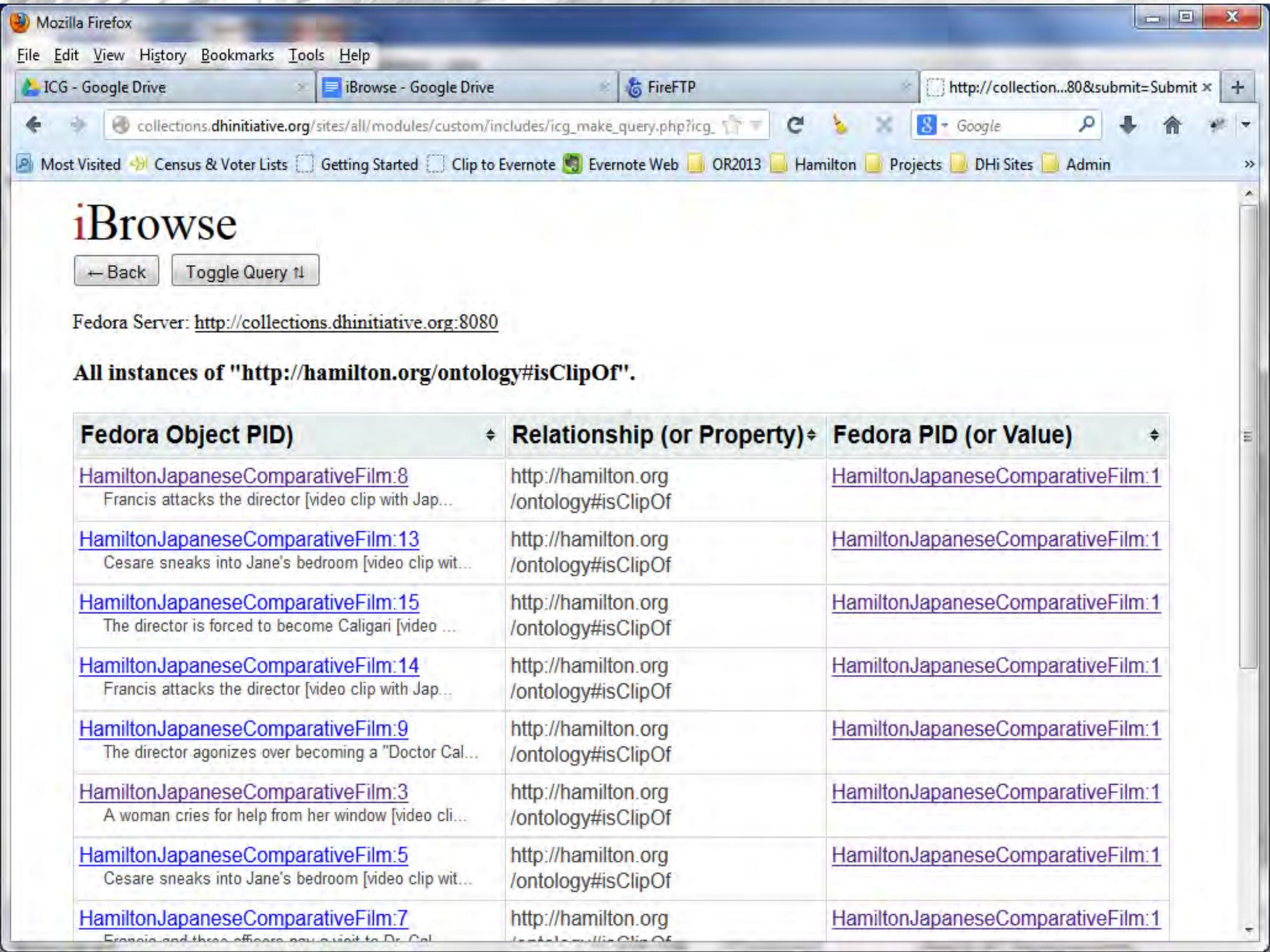
<http://hamilton.org/ontology#isNarratorOf>

<http://hamilton.org/ontology#isPresentationOf>

<http://hamilton.org/ontology#isStillOf>

<http://hamilton.org/ontology#isSubClipOf>

<http://hamilton.org/ontology#isSubEntyOf>



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Fedora Server: <http://collections.dhinitiative.org:8080>

All instances of "http://hamilton.org/ontology#isClipOf".

Fedora Object PID)	Relationship (or Property)	Fedora PID (or Value)
HamiltonJapaneseComparativeFilm:8 Francis attacks the director [video clip with Jap...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:13 Cesare sneaks into Jane's bedroom [video clip wit...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:15 The director is forced to become Caligari [video ...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:14 Francis attacks the director [video clip with Jap...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:9 The director agonizes over becoming a "Doctor Cal...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:3 A woman cries for help from her window [video cli...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:5 Cesare sneaks into Jane's bedroom [video clip wit...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1
HamiltonJapaneseComparativeFilm:7 Francis and three officers pay a visit to Dr. Cal...	http://hamilton.org/ontology#isClipOf	HamiltonJapaneseComparativeFilm:1

Fedora Object-level Properties

- List All Object Labels (model#label [not the same as Datastream Label])*
- List All Object Owners (model#ownerId)*
- List All Inactive Objects (model#state)
- List All Deleted Objects (model#state)

*For performance purposes, the results have been limited to 100 hits (limit 100). To change or remove the limits or the offset for these queries, edit "icg_make_query.php" accordingly

Fedora Datastream-level Properties

- Show All Datastream IDs (<fedora-view:disseminationType>)

*Not all repositories use this relationship.

Datastream MIME Types

Statistics

- All MIME Types (<fedora-view:mimeType>)

Charts

- Images (image/xxx)
- Videos (video/xxx)

Object/Datastream Dates

List Objects Created After a Certain Date
Enter a date: yyyy-mm-dd

List Objects Modified After a Certain Date
Enter a date: yyyy-mm-dd

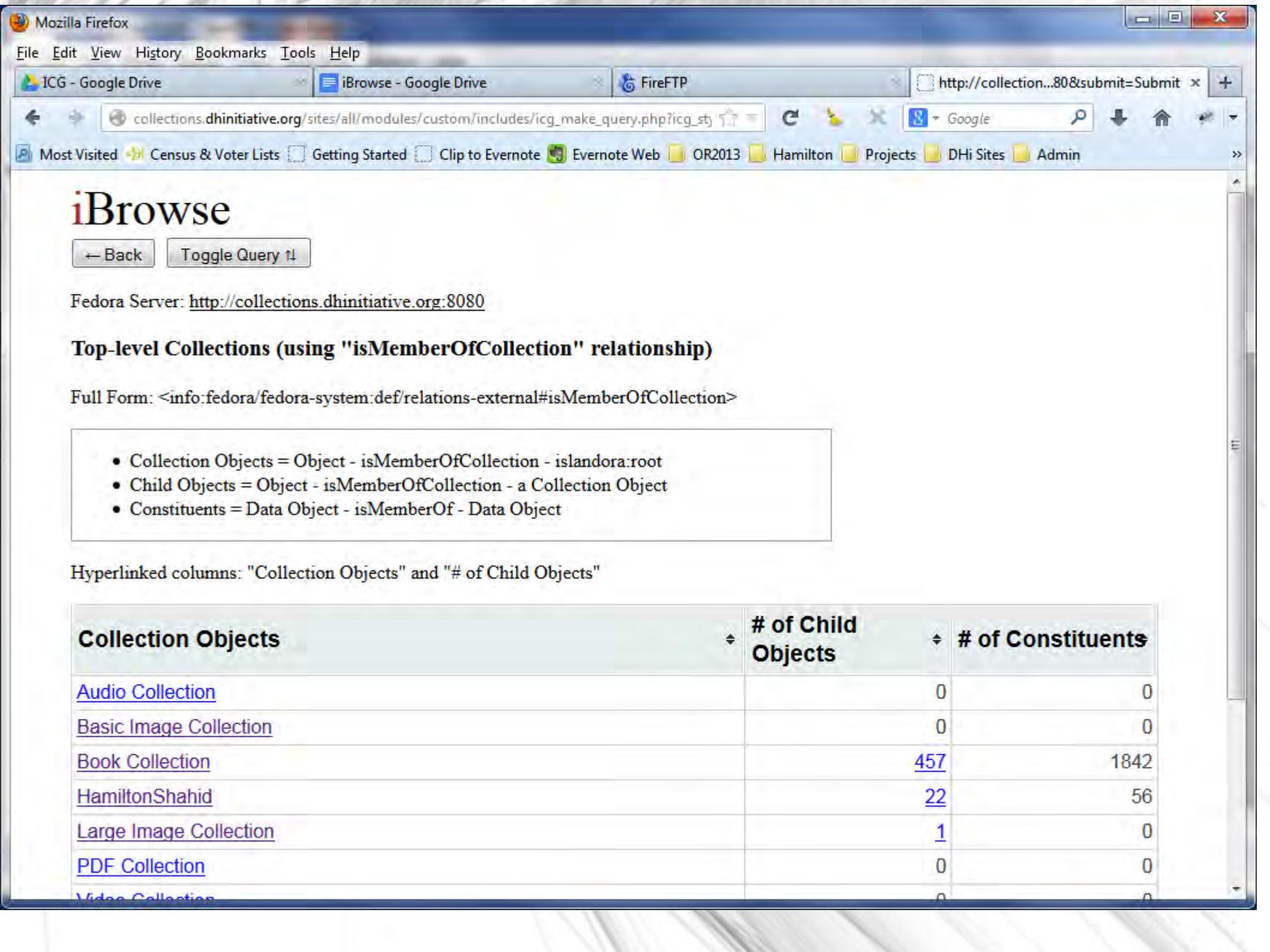
Dublin Core Metadata

Show all instances of...
dc:title

Dublin Core searches can also be performed using the Fedora Repository Find Objects Web Interface (<http://localhost:8080/fedora/admin>).

Services

[<View Services>](#)



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Fedora Server: <http://collections.dhinitiative.org:8080>

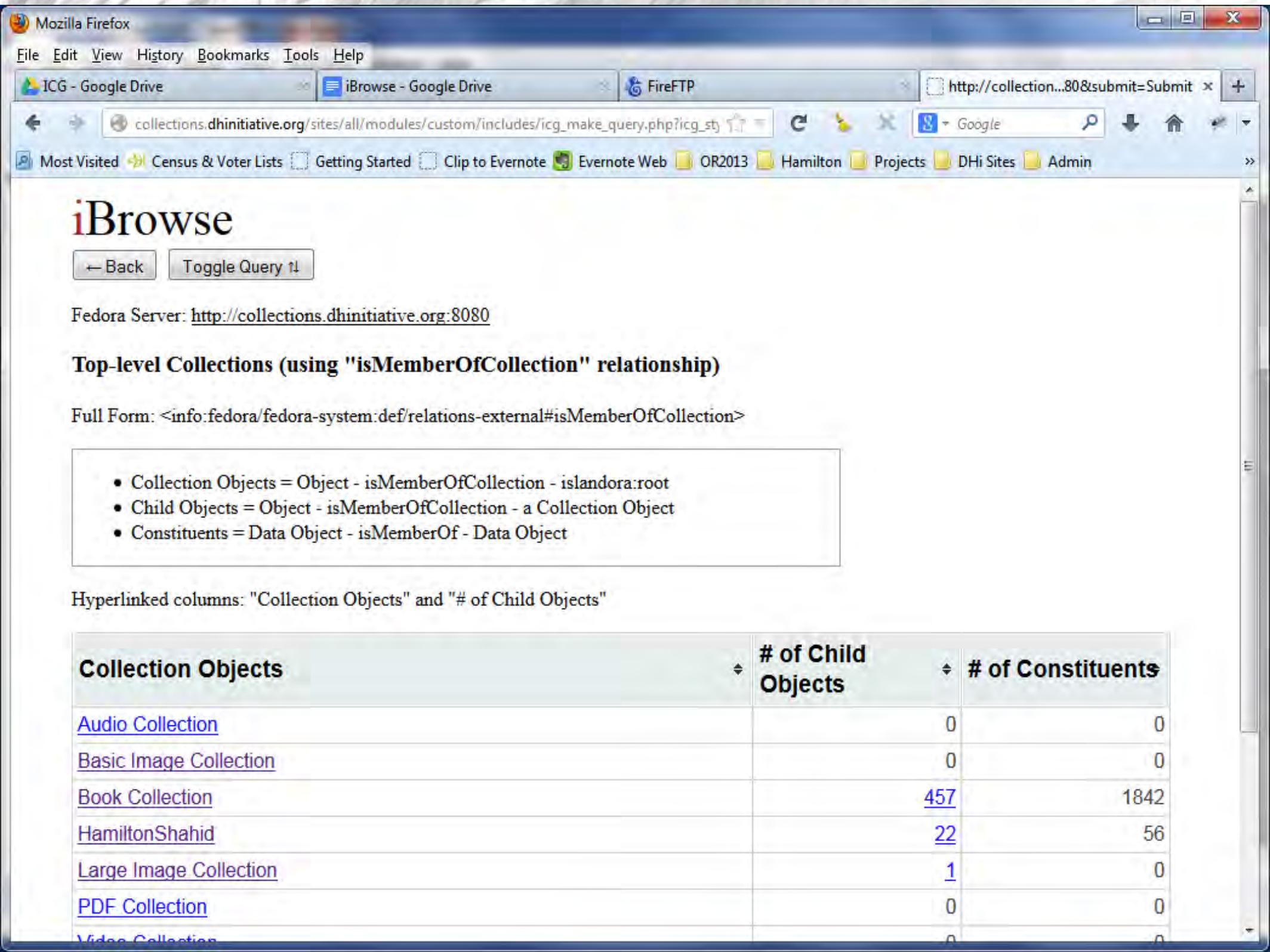
Top-level Collections (using "isMemberOfCollection" relationship)

Full Form: <info:fedora/fedora-system:def/relations-external#isMemberOfCollection>

- Collection Objects = Object - isMemberOfCollection - islandora:root
- Child Objects = Object - isMemberOfCollection - a Collection Object
- Constituents = Data Object - isMemberOf - Data Object

Hyperlinked columns: "Collection Objects" and "# of Child Objects"

Collection Objects	# of Child Objects	# of Constituents
Audio Collection	0	0
Basic Image Collection	0	0
Book Collection	457	1842
HamiltonShahid	22	56
Large Image Collection	1	0
PDF Collection	0	0
Video Collection	0	0



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Fedora Server: <http://collections.dhinitiative.org:8080>

Top-level Collections (using "isMemberOfCollection" relationship)

Full Form: <info:fedora/fedora-system:def/relations-external#isMemberOfCollection>

- Collection Objects = Object - isMemberOfCollection - islandora:root
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- Constituents = Data Object - isMemberOf - Data Object

Hyperlinked columns: "Collection Objects" and "# of Child Objects"

Collection Objects	# of Child Objects	# of Constituents
Audio Collection	0	0
Basic Image Collection	0	0
Book Collection	457	1842
HamiltonShahid	22	56
Large Image Collection	1	0
PDF Collection	0	0
Video Collection	0	0

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Fedora Server: <http://collections.dhinitiative.org:8080>

Child Objects of "info:fedora/HamiltonShahid:root"

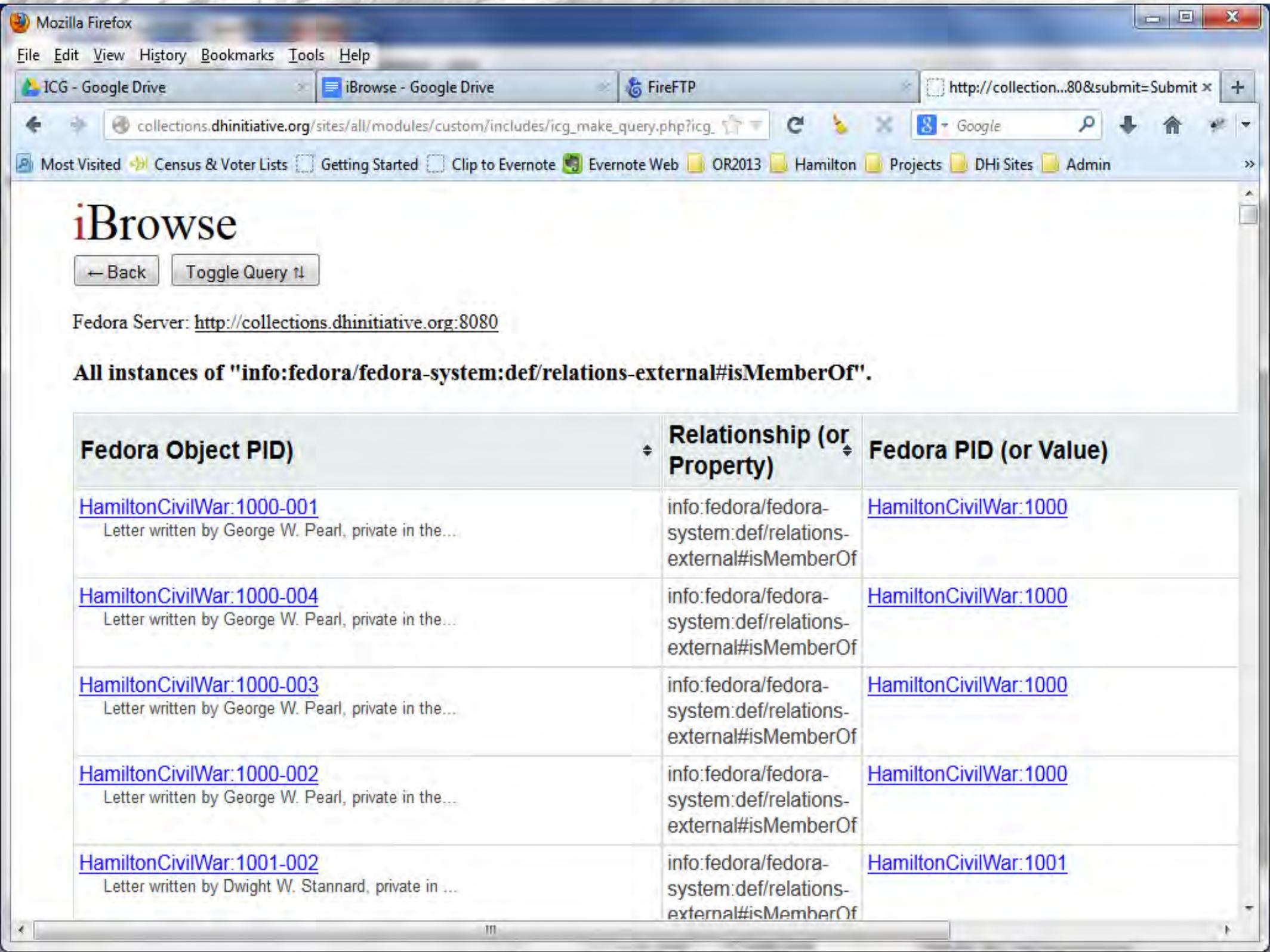
Triple: Object <info:fedora/fedora-system:def/relations-external#isMemberOfCollection> <info:fedora/HamiltonShahid:root>

The "isMemberOfCollection" relationship is used to assert that a Fedora Object is a direct child of a specific collection.
 Warning: Not all Source Objects will have constituent Parts.

Hyperlinked columns: "Source Object PID" and "Target Object PID".

Click "Related Parts" to see all Fedora Objects that are constituent parts of the PID to its left.

Source Object PID	Relationship	Target Object PID
HamiltonShahid:19 (Related Parts) Call [poem]...	isMemberOfCollection	HamiltonShahid:root
HamiltonShahid:20 (Related Parts) True subject (The poetry of Faiz Ahmed Faiz) [essay]...	isMemberOfCollection	HamiltonShahid:root
HamiltonShahid:21 (Related Parts) Postcard from Kashmir [poem]...	isMemberOfCollection	HamiltonShahid:root
HamiltonShahid:22 (Related Parts) "Houses" [poem]...	isMemberOfCollection	HamiltonShahid:root



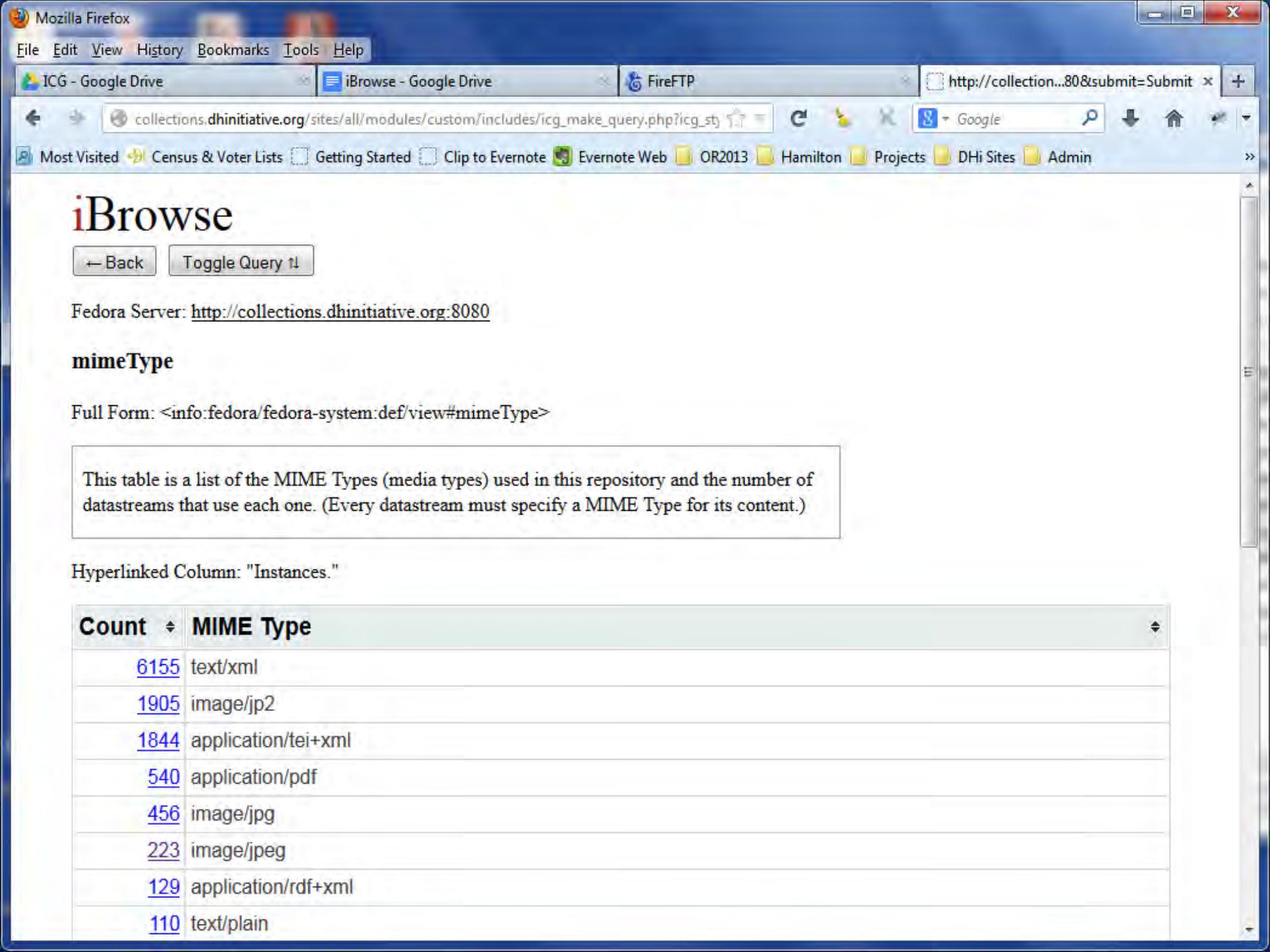
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Fedora Server: <http://collections.dhinitiative.org:8080>

All instances of "info:fedora/fedora-system:def/relations-external#isMemberOf".

Fedora Object PID)	Relationship (or Property)	Fedora PID (or Value)
HamiltonCivilWar:1000-001 Letter written by George W. Pearl, private in the...	info:fedora/fedora-system:def/relations-external#isMemberOf	HamiltonCivilWar:1000
HamiltonCivilWar:1000-004 Letter written by George W. Pearl, private in the...	info:fedora/fedora-system:def/relations-external#isMemberOf	HamiltonCivilWar:1000
HamiltonCivilWar:1000-003 Letter written by George W. Pearl, private in the...	info:fedora/fedora-system:def/relations-external#isMemberOf	HamiltonCivilWar:1000
HamiltonCivilWar:1000-002 Letter written by George W. Pearl, private in the...	info:fedora/fedora-system:def/relations-external#isMemberOf	HamiltonCivilWar:1000
HamiltonCivilWar:1001-002 Letter written by Dwight W. Stannard, private in ...	info:fedora/fedora-system:def/relations-external#isMemberOf	HamiltonCivilWar:1001



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Fedora Server: <http://collections.dhinitiative.org:8080>

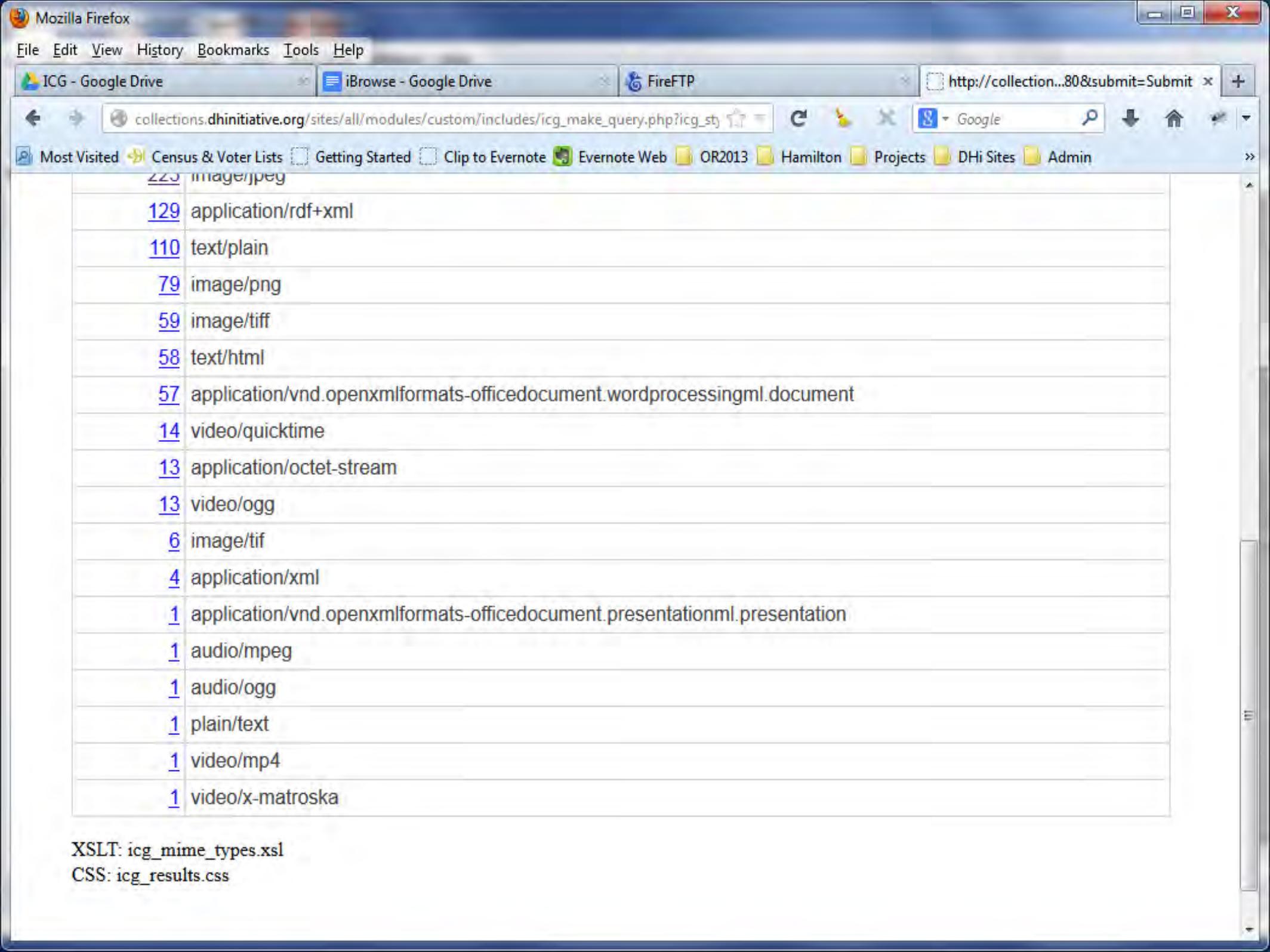
mimeType

Full Form: `<info:fedora/fedora-system:def/view#mimeType>`

This table is a list of the MIME Types (media types) used in this repository and the number of datastreams that use each one. (Every datastream must specify a MIME Type for its content.)

Hyperlinked Column: "Instances."

Count	MIME Type
6155	text/xml
1905	image/jp2
1844	application/tei+xml
540	application/pdf
456	image/jpg
223	image/jpeg
129	application/rdf+xml
110	text/plain





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```

select $target
count(select $object
from <#ri>
where $object <info:fedora/fedora-system:def/view#mimeType> $target)
from <#ri>
where $object <info:fedora/fedora-system:def/view#mimeType> $target
having $k0 <http://mulgara.org/mulgara#occursMoreThan> '0.0' ^^<http://www.w3.org/2001/XMLSchema#double>
order by $target

```

Fedora Server: <http://collections.dhinitiative.org:8080>

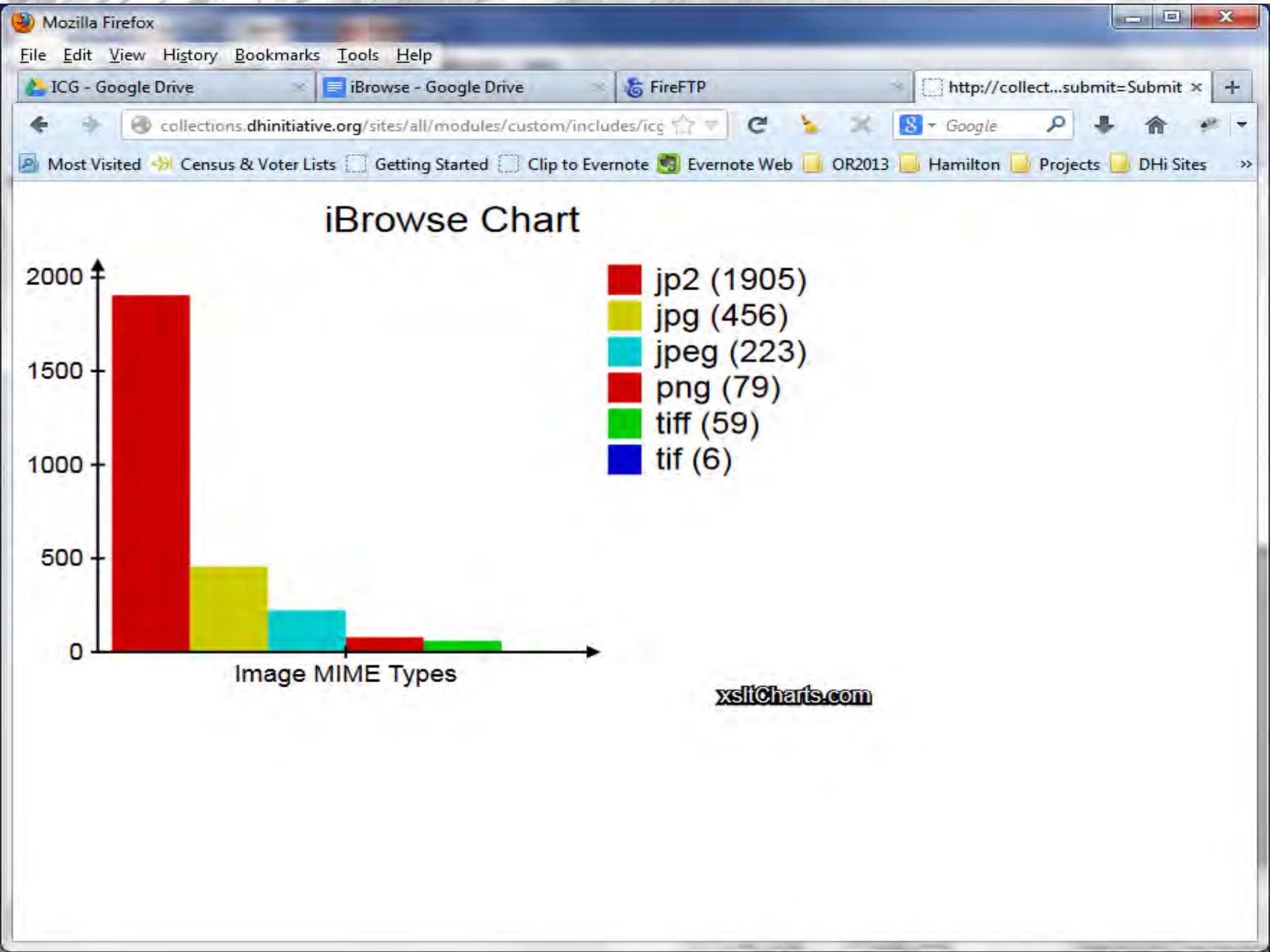
mimeType

Full Form: <info:fedora/fedora-system:def/view#mimeType>

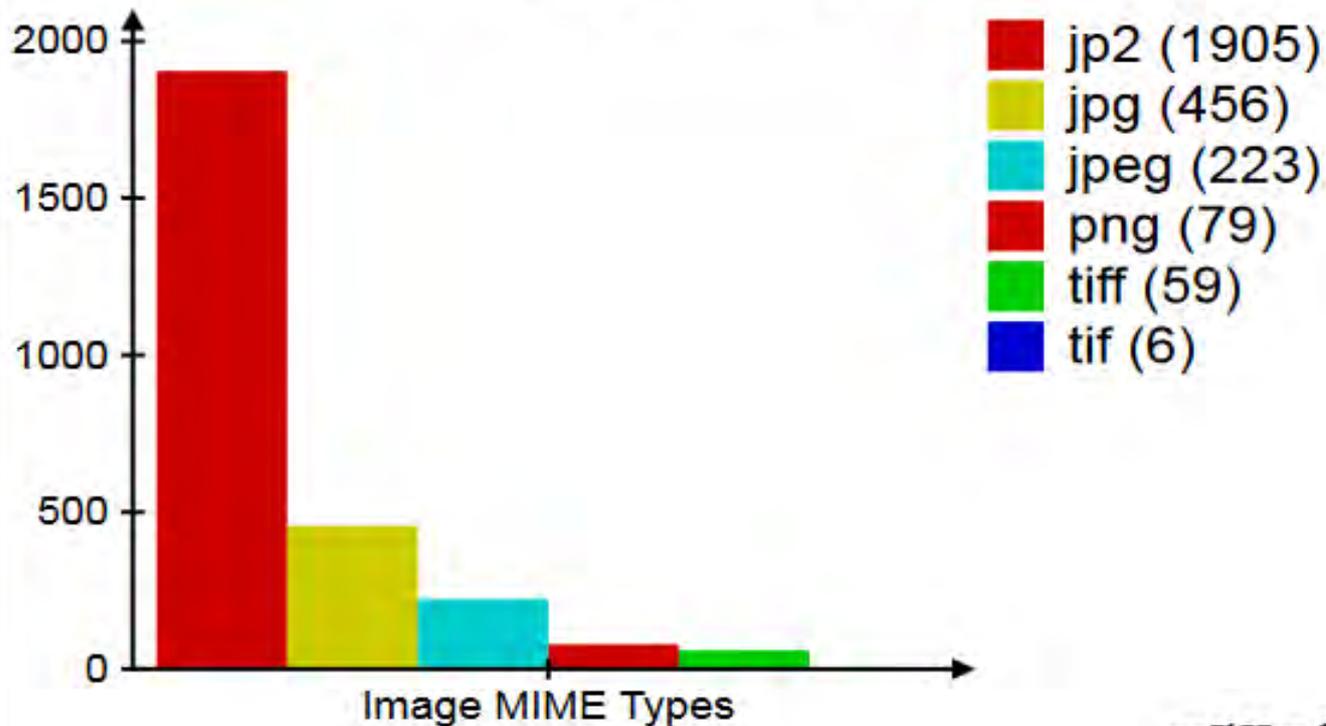
This table is a list of the MIME Types (media types) used in this repository and the number of datastreams that use each one. (Every datastream must specify a MIME Type for its content.)

Hyperlinked Column: "Instances."

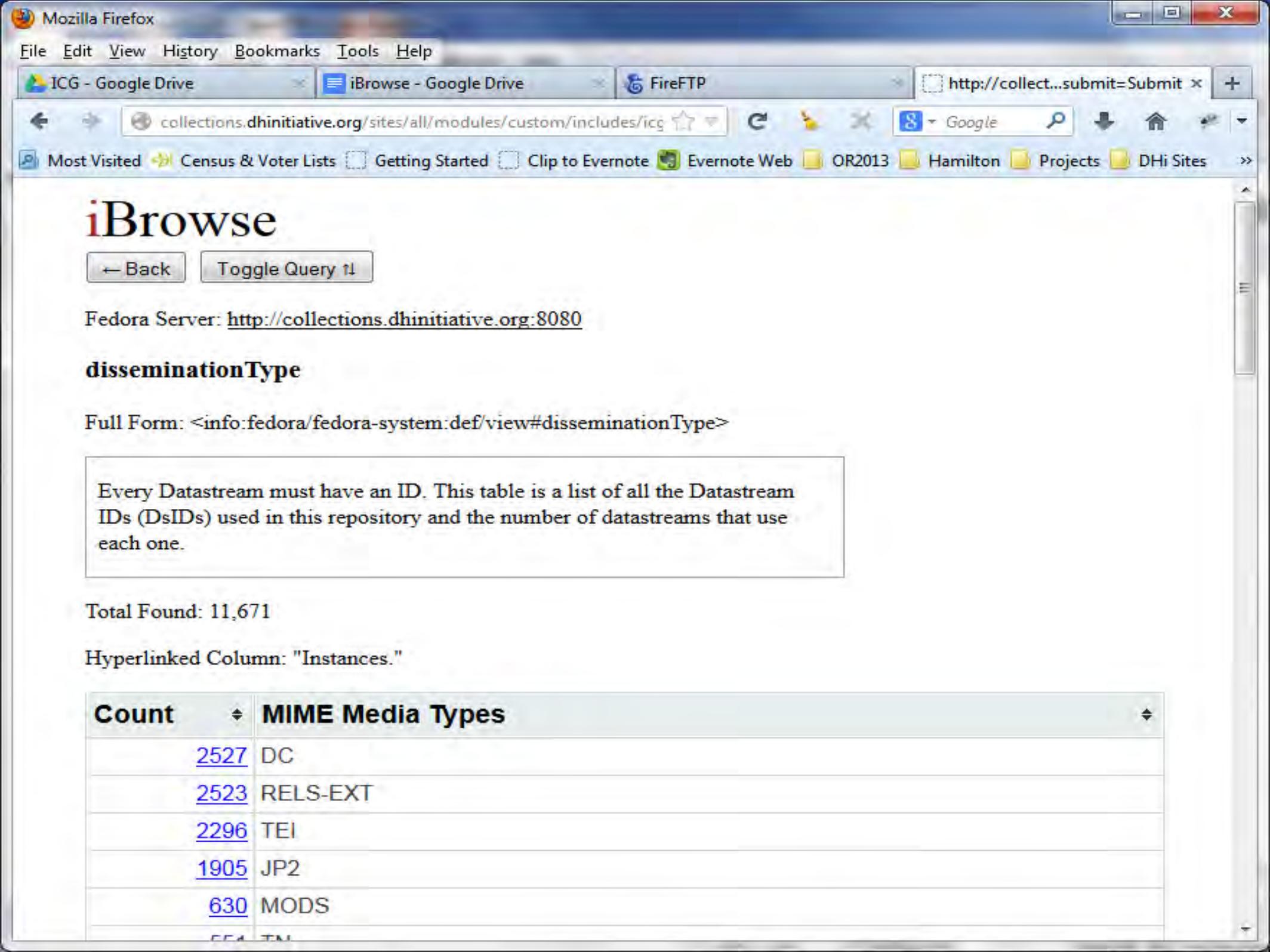
Count	MIME Type
6155	text/xml

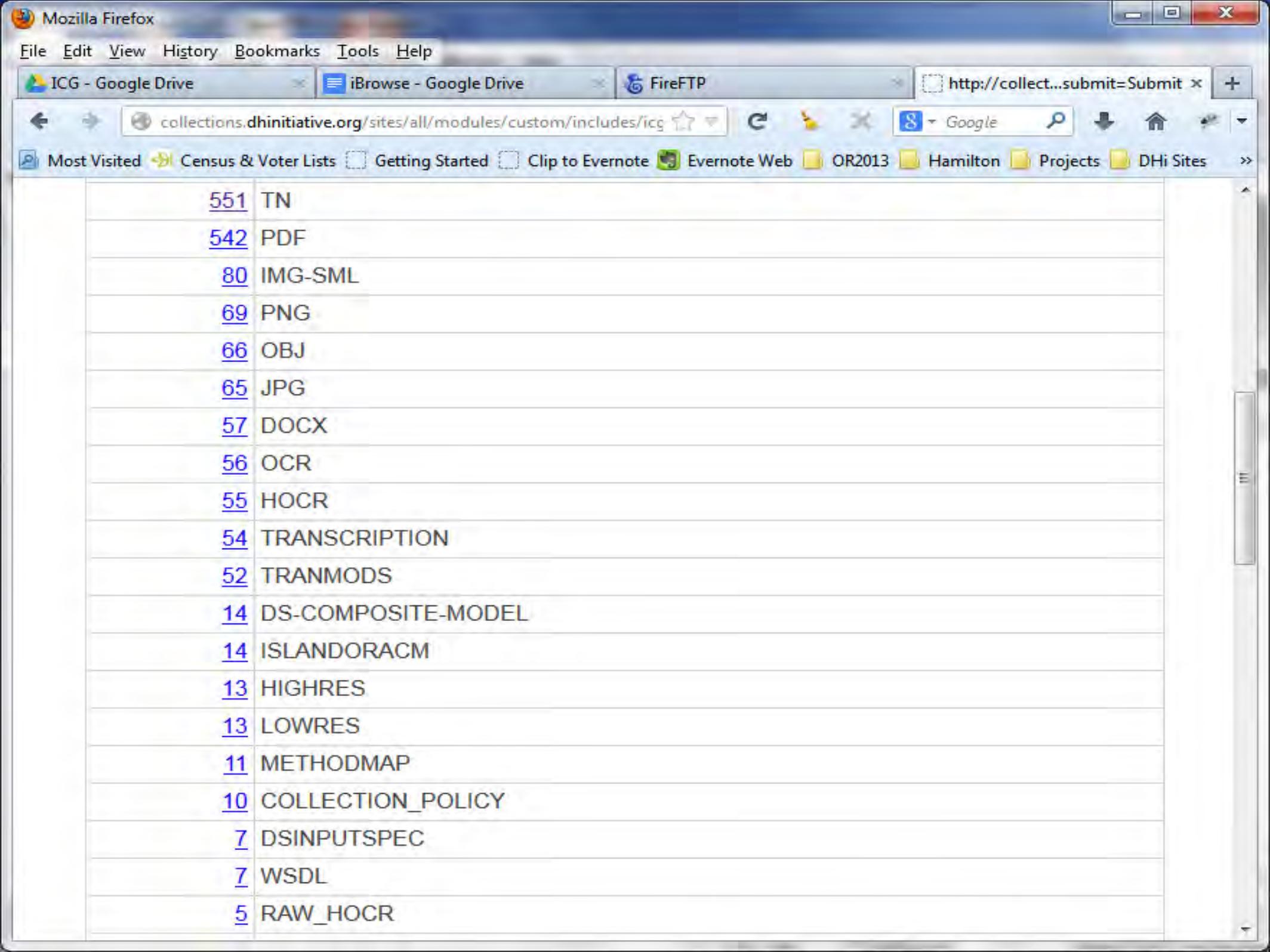


iBrowse Chart

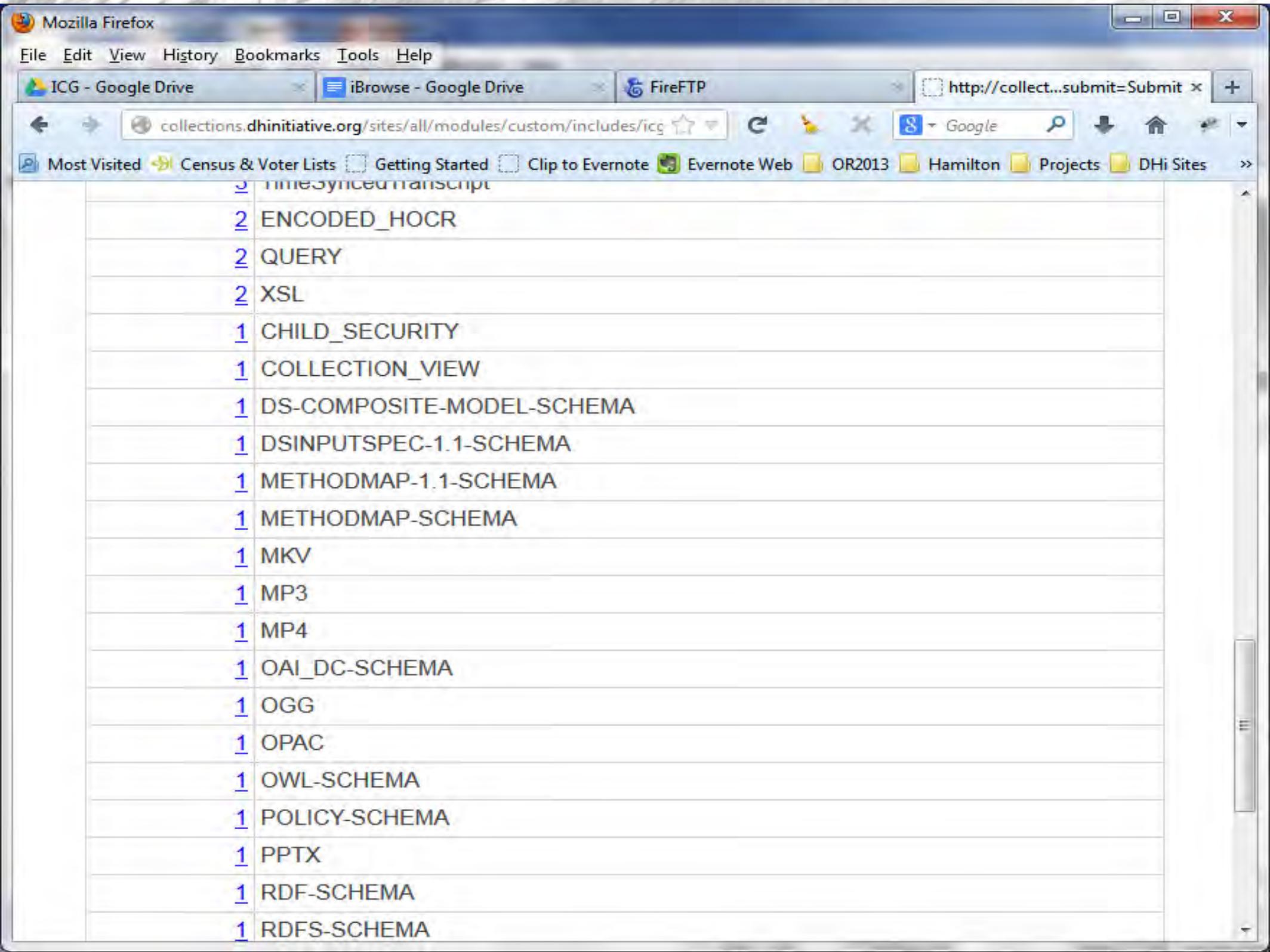


[xsltCharts.com](http://xsltcharts.com)





551	TN
542	PDF
80	IMG-SML
69	PNG
66	OBJ
65	JPG
57	DOCX
56	OCR
55	HOCR
54	TRANSCRIPTION
52	TRANMODS
14	DS-COMPOSITE-MODEL
14	ISLANDORACM
13	HIGHRES
13	LOWRES
11	METHODMAP
10	COLLECTION_POLICY
7	DSINPUTSPEC
7	WSDL
5	RAW_HOCR



[timesyncedtranscript](#)

[2 ENCODED_HOCR](#)

[2 QUERY](#)

[2 XSL](#)

[1 CHILD_SECURITY](#)

[1 COLLECTION_VIEW](#)

[1 DS-COMPOSITE-MODEL-SCHEMA](#)

[1 DSINPUTSPEC-1.1-SCHEMA](#)

[1 METHODMAP-1.1-SCHEMA](#)

[1 METHODMAP-SCHEMA](#)

[1 MKV](#)

[1 MP3](#)

[1 MP4](#)

[1 OAI_DC-SCHEMA](#)

[1 OGG](#)

[1 OPAC](#)

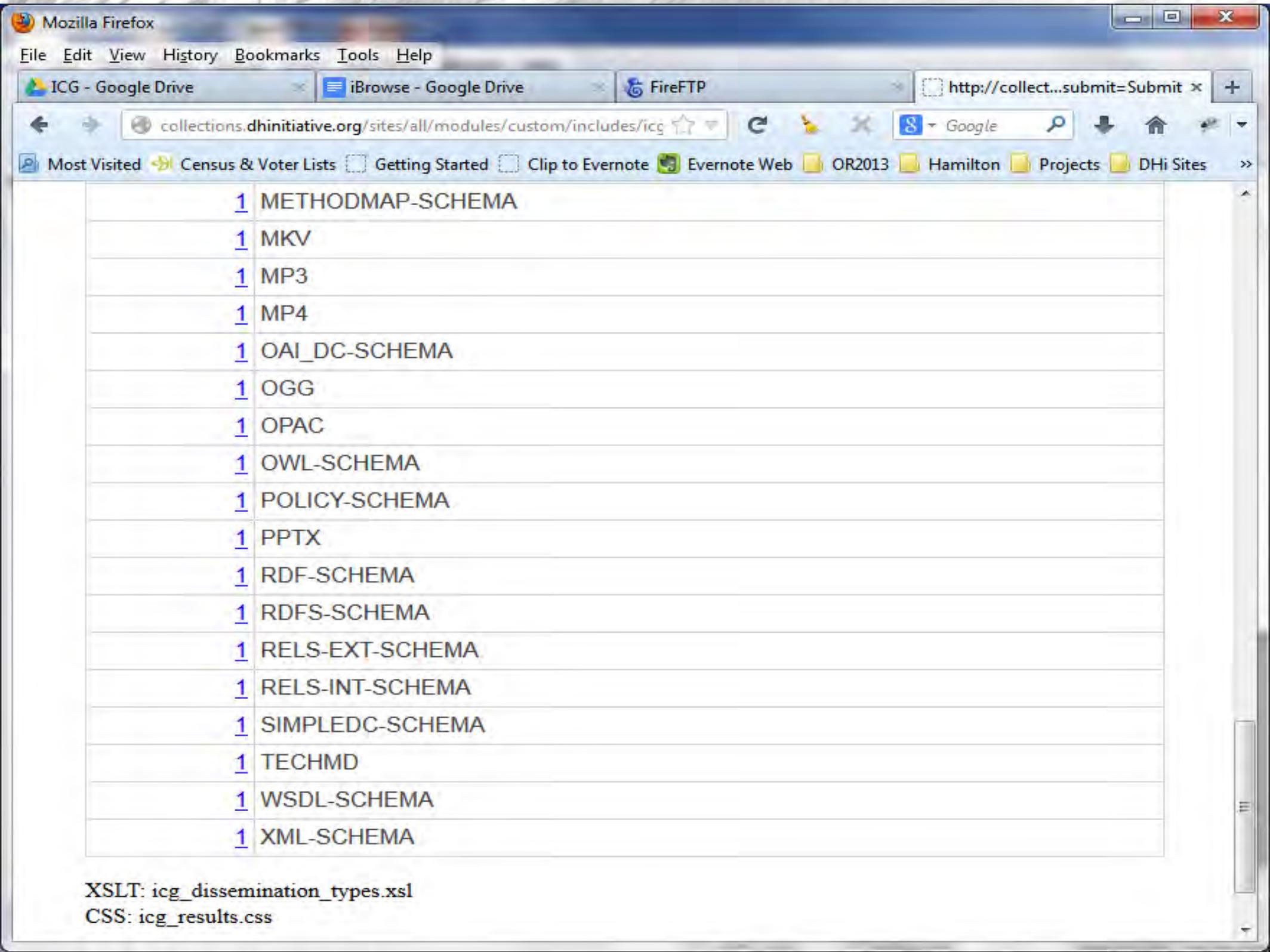
[1 OWL-SCHEMA](#)

[1 POLICY-SCHEMA](#)

[1 PPTX](#)

[1 RDF-SCHEMA](#)

[1 RDFS-SCHEMA](#)



[1](#) [METHODMAP-SCHEMA](#)

[1](#) [MKV](#)

[1](#) [MP3](#)

[1](#) [MP4](#)

[1](#) [OAI_DC-SCHEMA](#)

[1](#) [OGG](#)

[1](#) [OPAC](#)

[1](#) [OWL-SCHEMA](#)

[1](#) [POLICY-SCHEMA](#)

[1](#) [PPTX](#)

[1](#) [RDF-SCHEMA](#)

[1](#) [RDFS-SCHEMA](#)

[1](#) [RELS-EXT-SCHEMA](#)

[1](#) [RELS-INT-SCHEMA](#)

[1](#) [SIMPLEDC-SCHEMA](#)

[1](#) [TECHMD](#)

[1](#) [WSDL-SCHEMA](#)

[1](#) [XML-SCHEMA](#)

XSLT: icg_dissemination_types.xsl

CSS: icg_results.css