OAI-ORE experiments at the University of Illinois Library at Urbana-Champaign

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Experiments

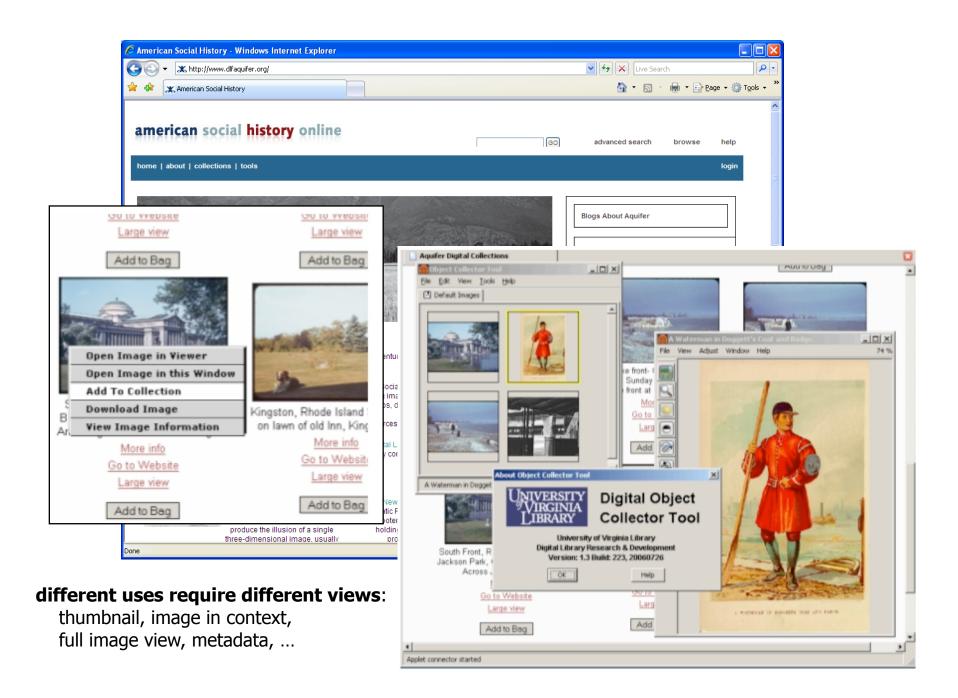
1. DLF Aquifer Asset Actions in ORE

Typed, actionable URIs for various (sometimes distributed) *views* of an object (see: *Chavez, et al., D-Lib Magazine 12 (10) [Oct. 2006]*)

Application: <u>American Social History Online Portal</u>

Tom Habing, Bill Ingram, Esha Datta, Jody Deridder, ... & Aquifer Tech WG

- 3. Using ORE Resource Maps to support scholarly annotation of digitized books (in collaboration with Northwestern; an ORE experiment funded by the Andrew Mellon Foundation)
 - Use ORE to manage granular annotations over multiple formats and across a range of bibliographic or lexical scopes
 - Focus on literary analysis use cases & projects (e.g., MONK Project)
 - Tim Cole, Bill Parod, Michael Norman, MJ Han, Bill Ingram, Wei Zhang





Aquifer asset action semantics -- defining classes of resources and sub-classes of "resource actions"

For example

```
actionGroups (incomplete list):
```

default

basicImage, layeredImage, addressableImage, ...

viewStructuredText, getStructuredText, viewImageText, getImageText, ...

Members of default actionGroup class must support:

```
getPreview
```

getLabel

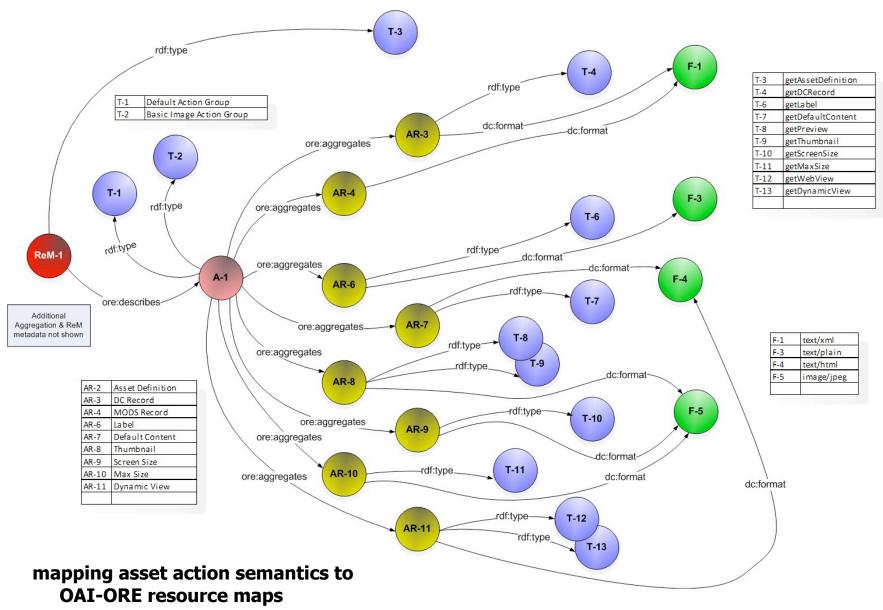
getDCRecord

getDefaultContent

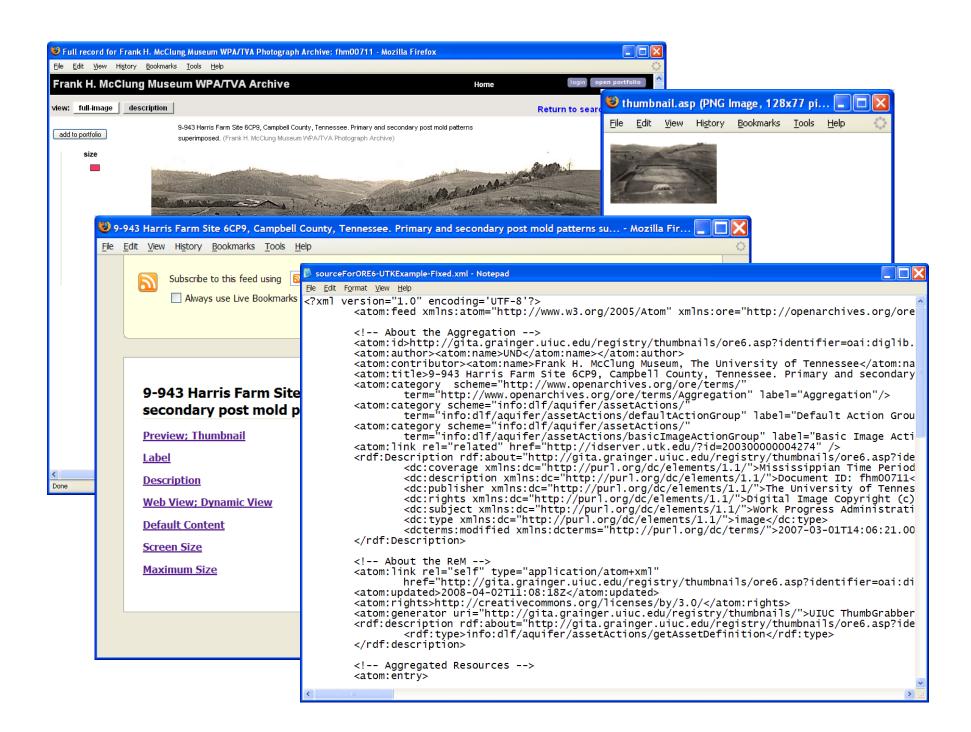
getWebView

getAssetDefinition (reflexive)





(current draft)





Work in progress

Aquifer asset action applications

- U. of Virginia Collectus Tool (in production)
 - Currently uses old-style asset action package in XML

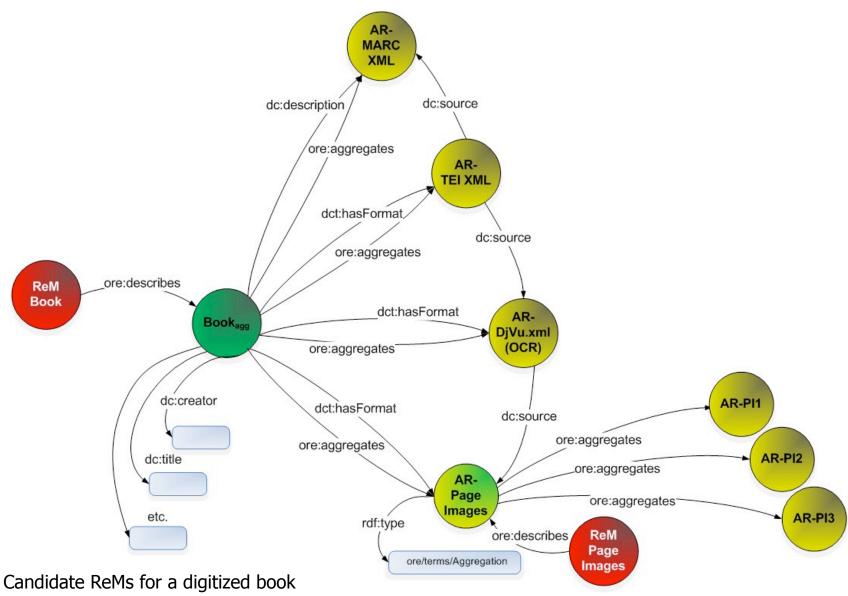
- Zotero custom translator for Aquifer (in development by NYU)
 - Checks resources as imported into Zotero for associated asset actions
 - If found, prompts user to select URI(s) for preferred views(s)



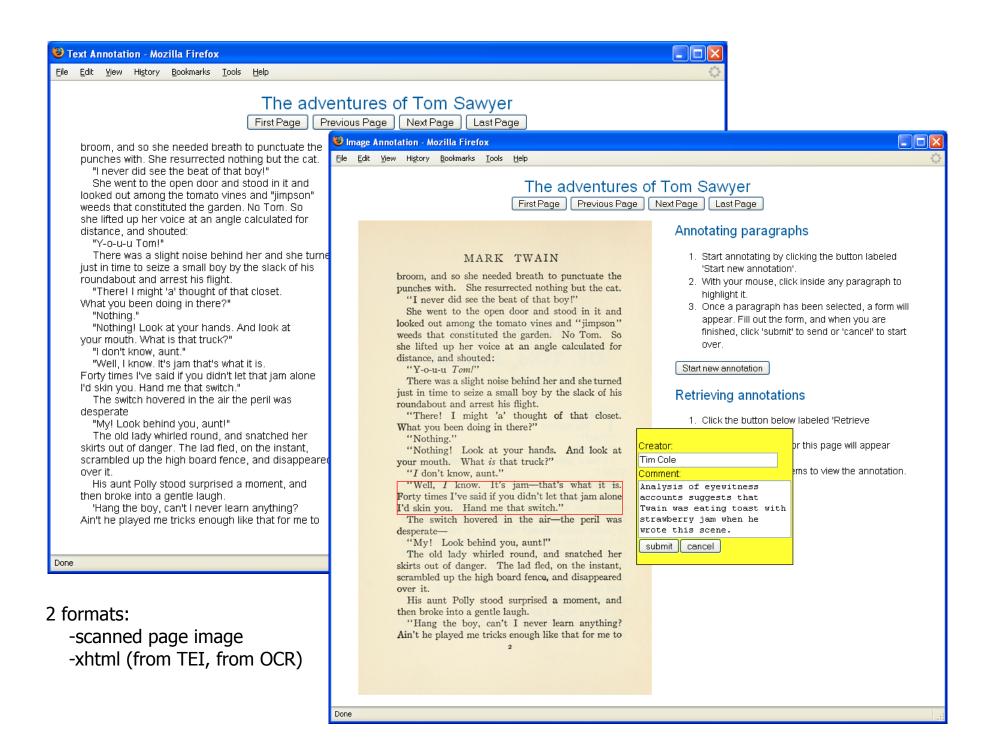
Scholarly annotations for individual & small group collaborative research

In collaboration with Northwestern University Library

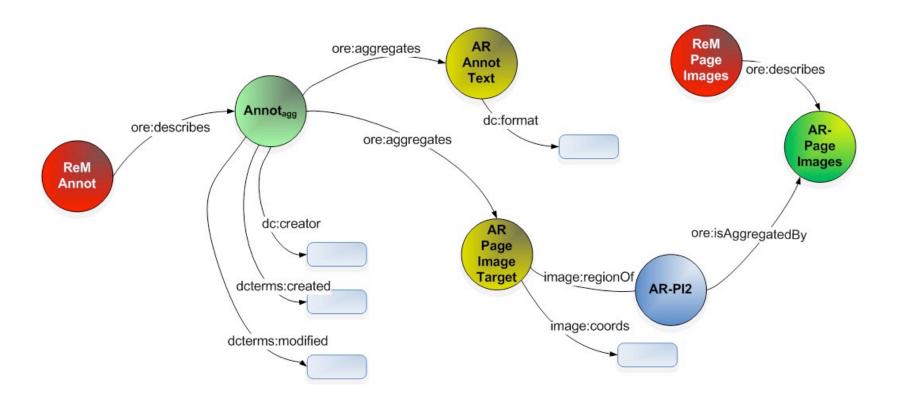
- Annotation is broad domain we're looking at annotation as scholarly commentary or elaboration at level of pages, paragraphs, lemmas.
 - Current models & literature Pliny (John Bradley, King's College), Electronic Variorum Editions (e.g., for Quixote, Eduardo Urbina [TAMU]), Google Book Annotation, OCVE (Online Chopin Variorum Edition), ...
 - A number of issues remain (see forthcoming report of the Eranos WG)
- Task: investigate whether ORE can help address a subset of needs --
 - Managing annotation targets at arbitrary granularity
 - Facilitating annotation targets that are format-independent and persistent
 - Enabling annotations over bibliographic and lexical scopes (think FRBR, ...)
 - Enabling exchange / interoperability of annotations in a standard way
- Content: digitized books (Open Content Alliance & Wright American Fiction)



(current draft, some detail omitted, including sequence of page images, relationships between page images and XML, technical metadata)

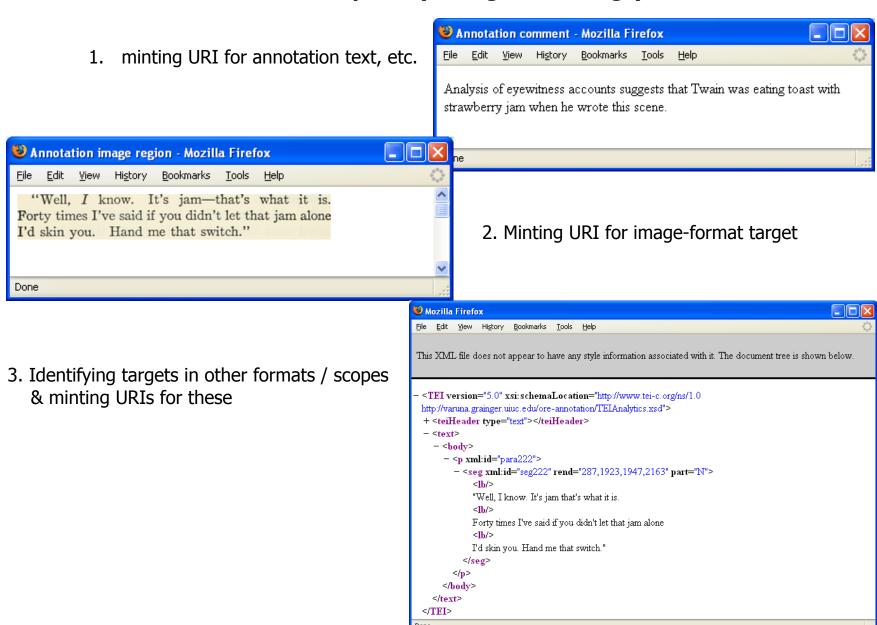


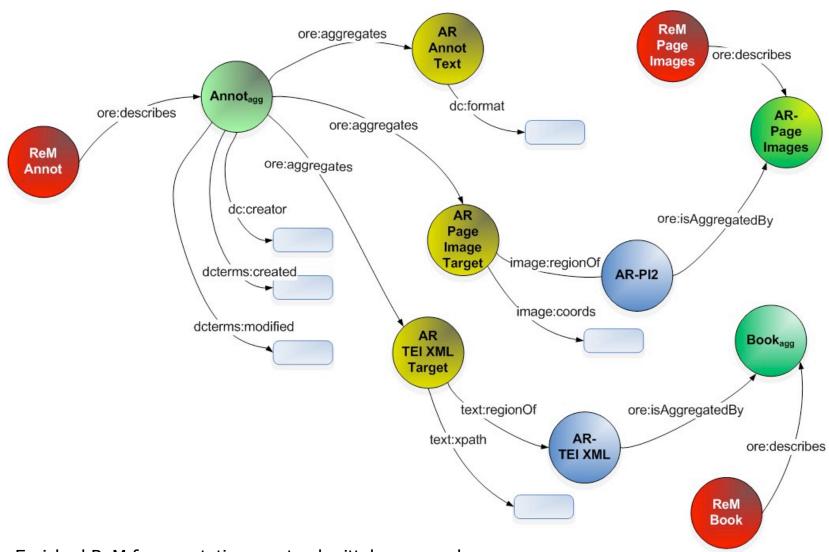
To create ReM for annotation requires (among other things):



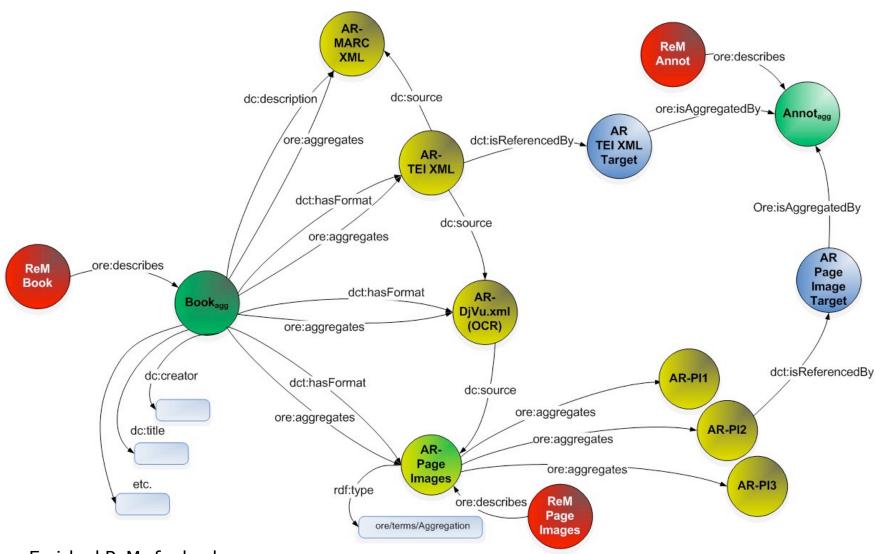
Candidate submittal ReM for a page image annotation (some detail omitted)

To create ReM for annotation requires (among other things):

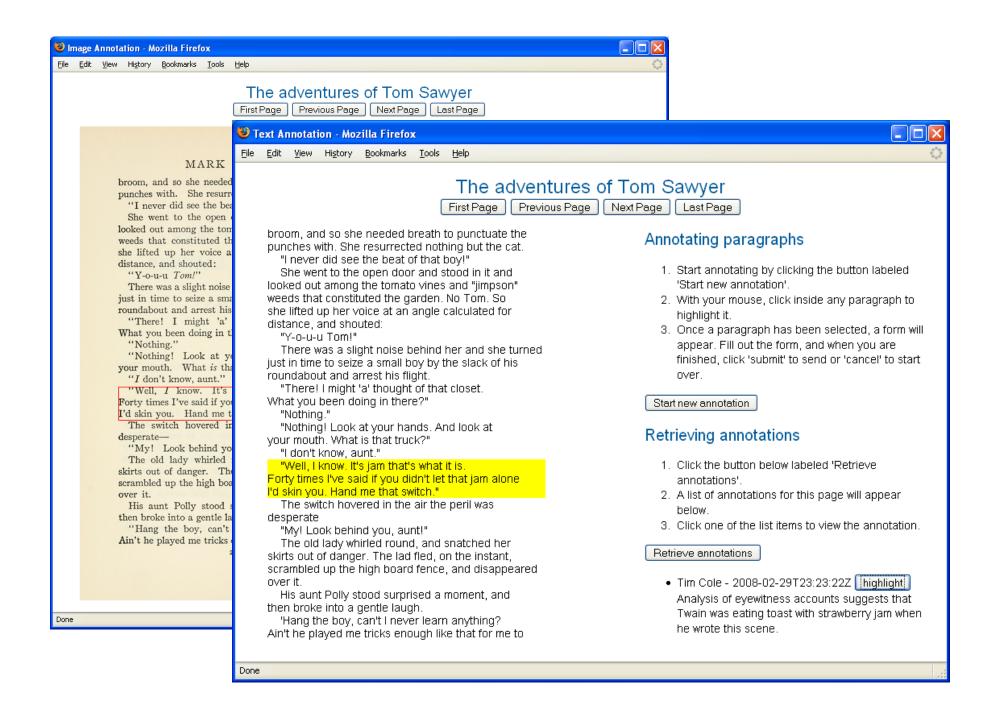




Enriched ReM for annotation, post-submittal processed (some detail omitted)



Enriched ReMs for book after annotation has been submitted and processed (some detail omitted)





Work in progress

To do:

- Define ReMs to support annotation across various scopes
 - In particular across different editions of same work
 - In particular across different digitization instances of same edition
 - In particular across subset of works by same author
- Define ReMs to support annotation at level of lemma
 - Will use morphadorner tool from NWU (WordHoard, MONK)
- Investigate implementing this all in Fedora
 - Use APP (SWORD profile?) to submit initial annotation ReM