OAI-ORE Specification Roll-Out

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

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3 March 2008 Johns Hopkins University, Baltimore, MD USA

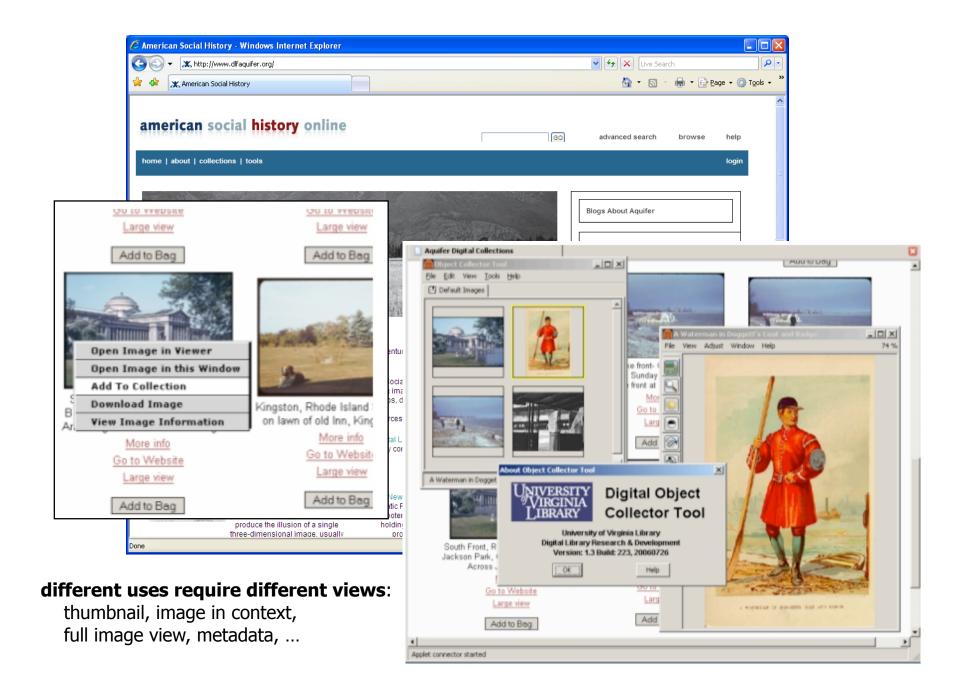


Experiments

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

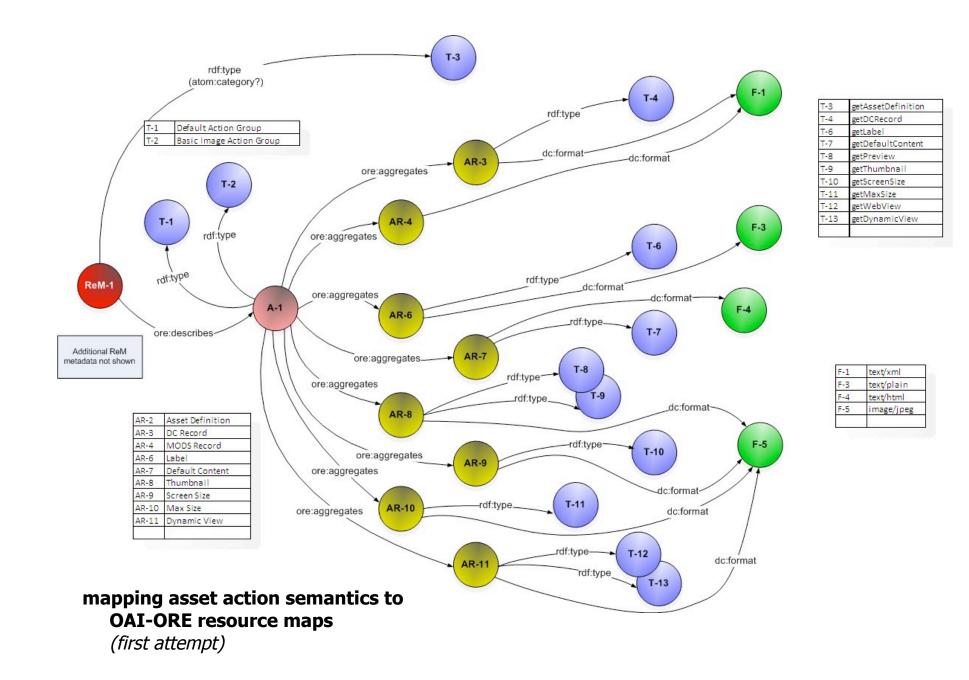
getLabel

getDCRecord

getDefaultContent

getWebView

getAssetDefinition (reflexive)



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Work in progress

Aquifer asset action applications

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

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

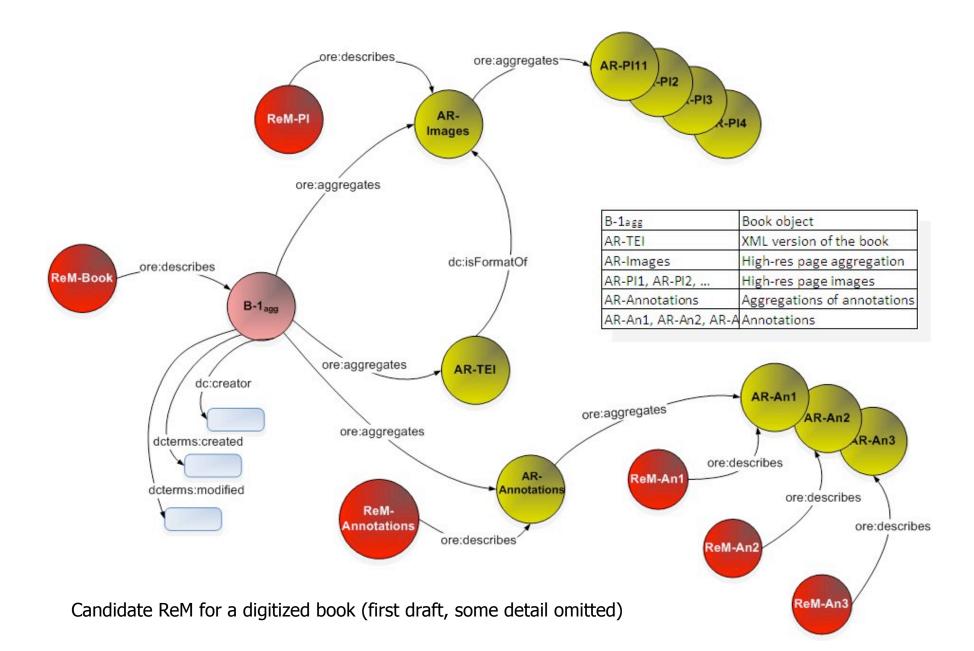


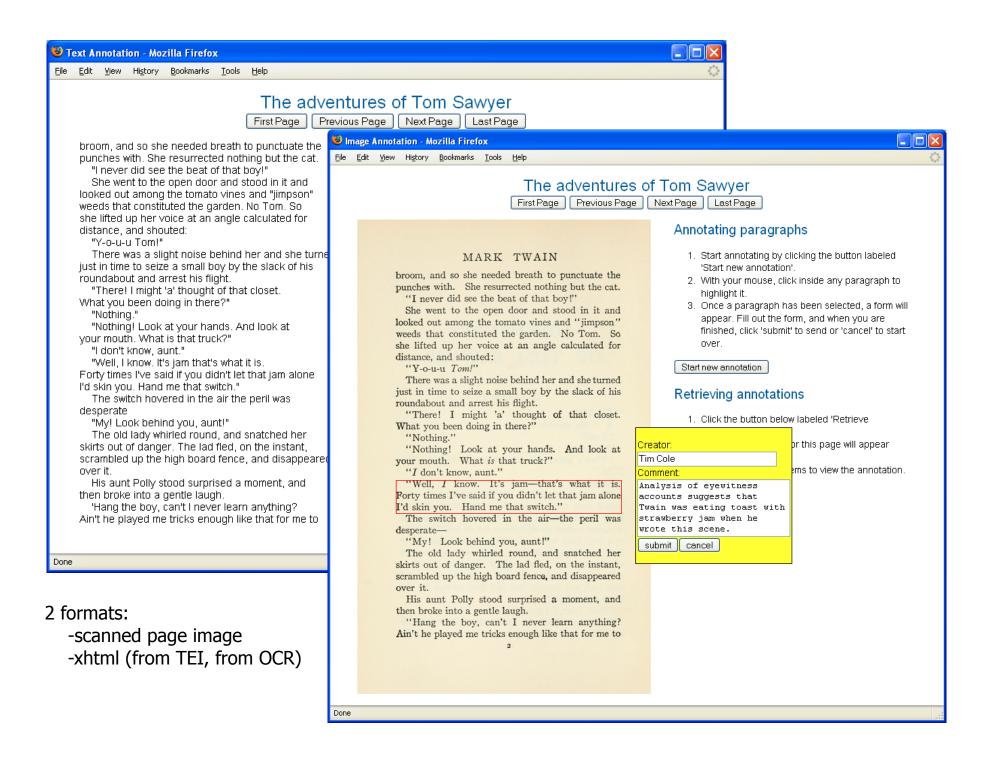
Scholarly annotations for individual & small group collaborative research

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)

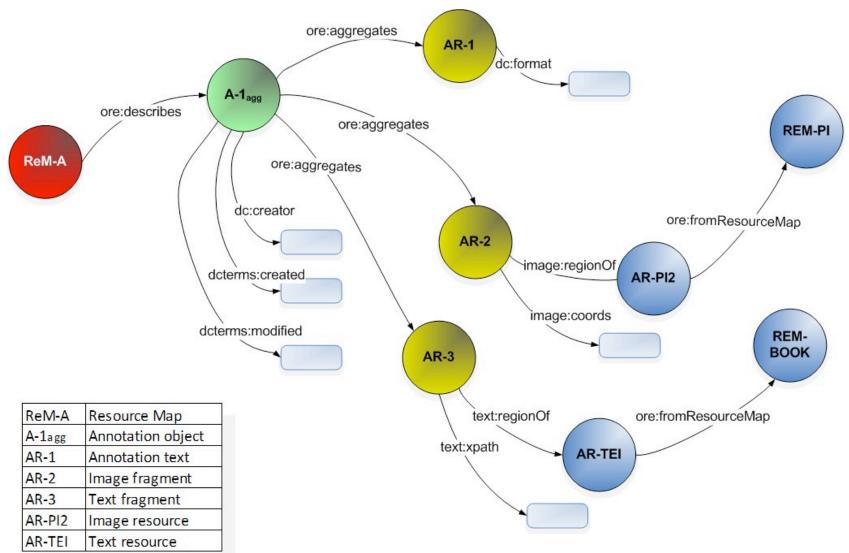




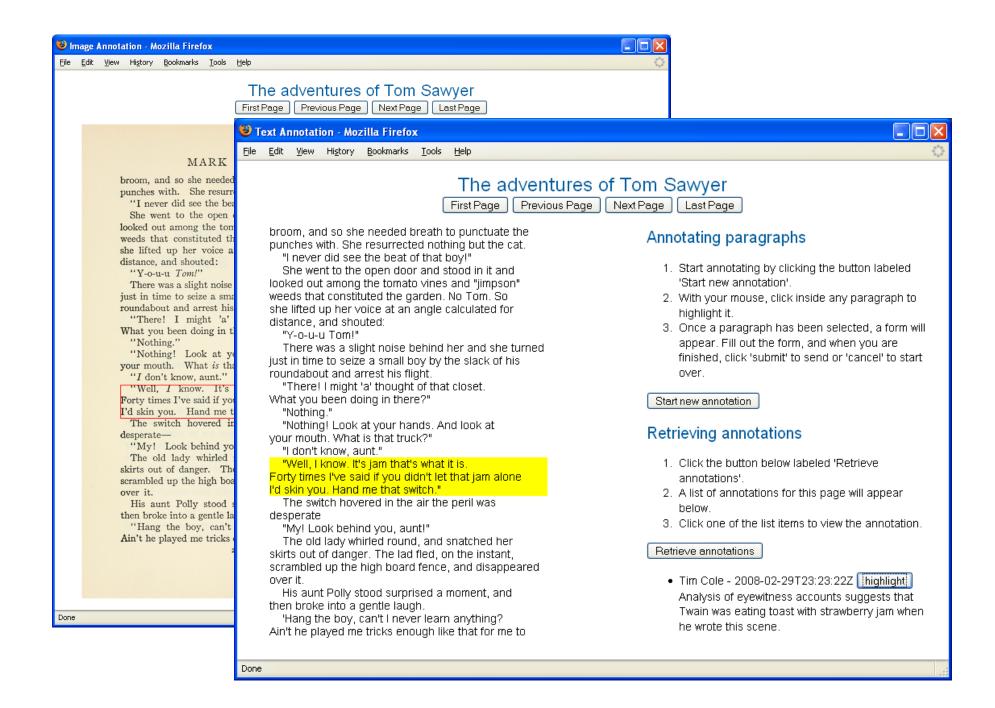


To create ReM for annotation requires (among other things):

1. minting URI for annotation text, et	Annotation comment - Mozilla Firefox Eile Edit View Higtory Bookmarks Lools Help Analysis of eyewitness accounts suggests that Twain was eating to ast with strawberry jam when he wrote this scene.
🕹 Annotation image region - Mozilla Firefox	
Eile Edit Yiew History Bookmarks Tools Help "Well, I know. It's jam—that's what it is. Forty times I've said if you didn't let that jam alone I'd skin you. Hand me that switch."	 2. Minting URI for image-format target
3. Identifying targets in other formats / scopes & minting URIs for these	Ele Edit View Higtory Bookmarks Iools Help This XML file does not appear to have any style information associated with it. The document tree is shown below <tei schemalocation="http://www.tei-c.org/ns/1.0</p> http://varuna.grainger.uiuc.edu/ore-annotation/TELAnalytics.xsd" version="5.0" xsi:=""> + <teiheader type="text"> - <text> - <body> - - <seg xml:id="para222"> - <seg part="N" rend="287,1923,1947,2163" xml:id="seg222"> < float Well, I know. It's jam that's what it is. <</seg></seg></body></text></teiheader></tei>



Candidate ReM for an annotation (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 how minting of URIs for annotation targets might be done in repository systems like Fedora

