

Cruising the Semantic Web with Noadster

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Related Work

Features

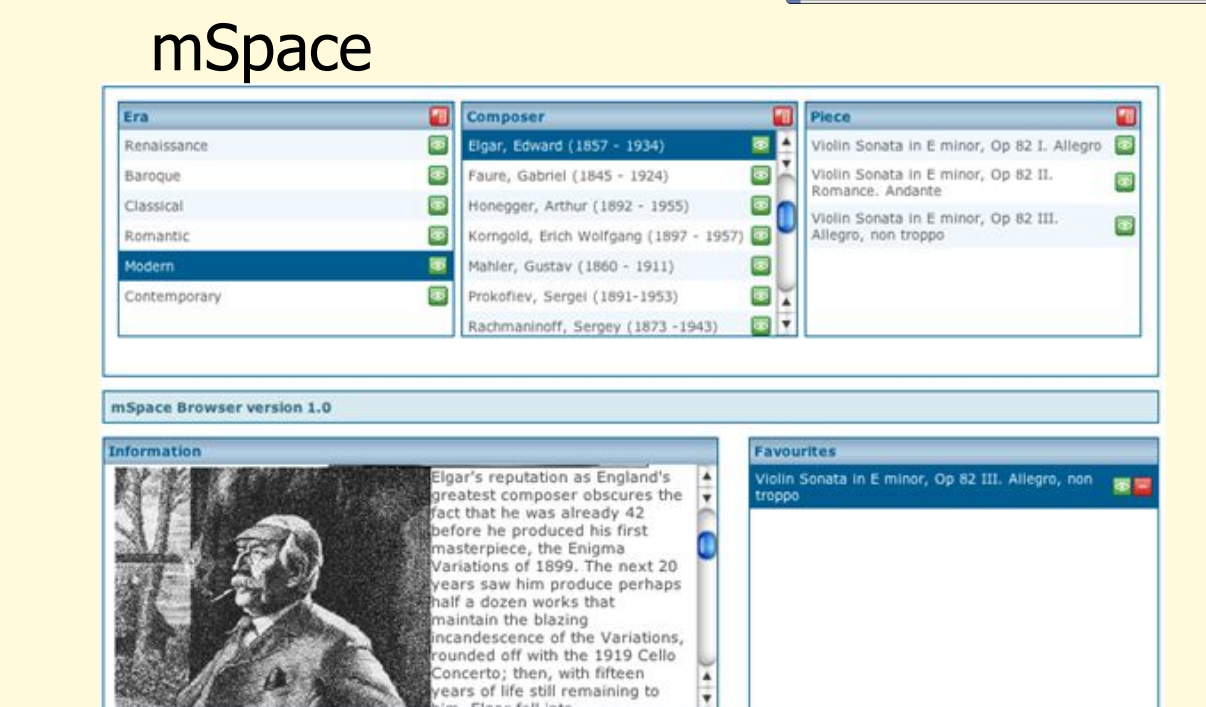
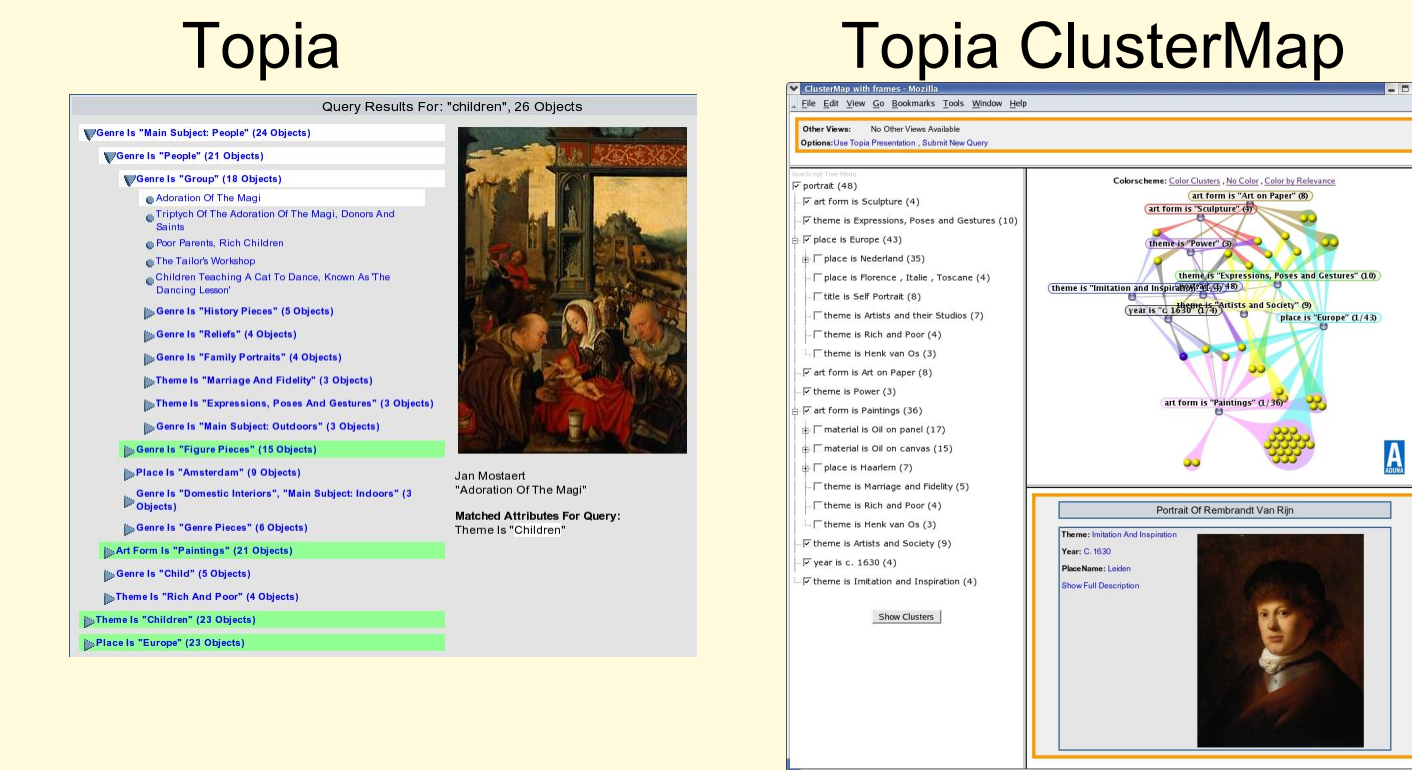
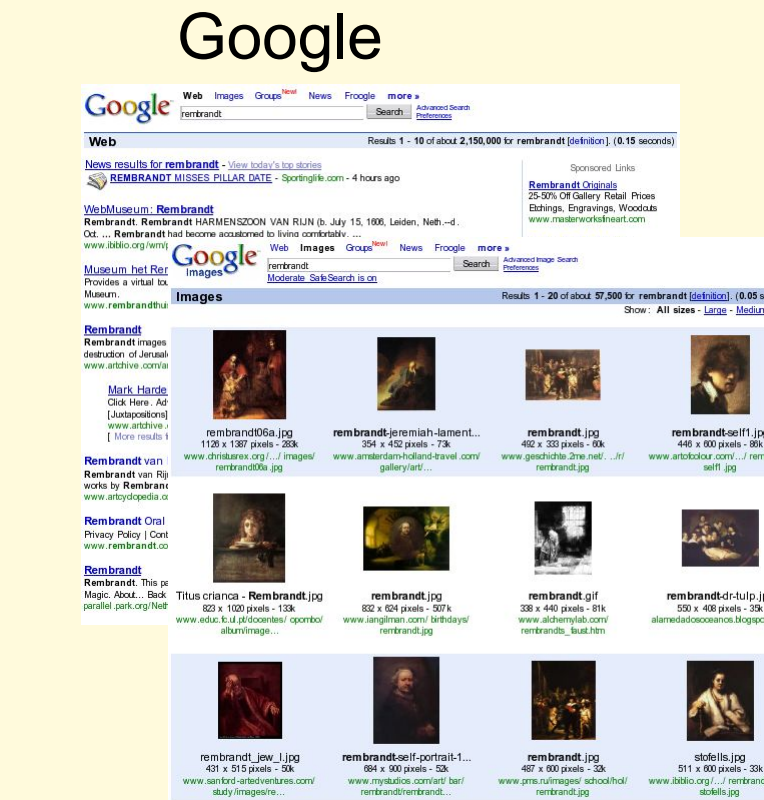
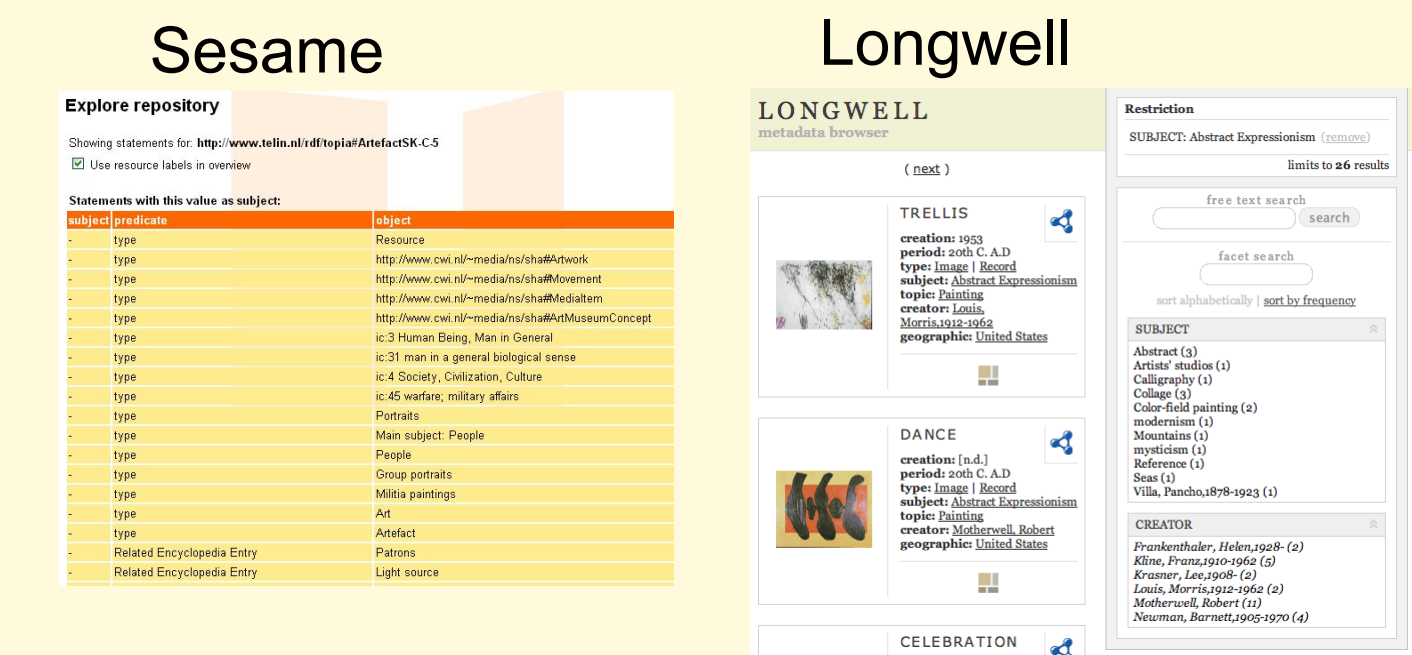
Hypertext

Semantic

Browse

Web browsers

Search



Hierarchy

Rank

Google&Clusty

Sort

n/a

Cross-reference

Topia
Topia
Topia (highlighting)
Longwell
Topia

Visual Style

CSS

Structuring Style

Start the process
String for RDF literal search
Noadster query interface
Please enter a keyword: Rembrandt
Extension search help for specific domain
Prevents "stop words" for group topics
Controls size of groups
Select from multiple repositories

Click on global view item calls up its local view
<rdfs:label> becomes local view title
Highlighting of search string where found
Separate style for literal text
Resource URI shown when no <rdfs:label>
<rdfs:label> is text for each triple resource
Shared property or subject placed in same cell
Image resources directly shown

Core Concepts

Presentable cluster nodes

Stop word properties

Web vs semantic browsing mode

Assumptions

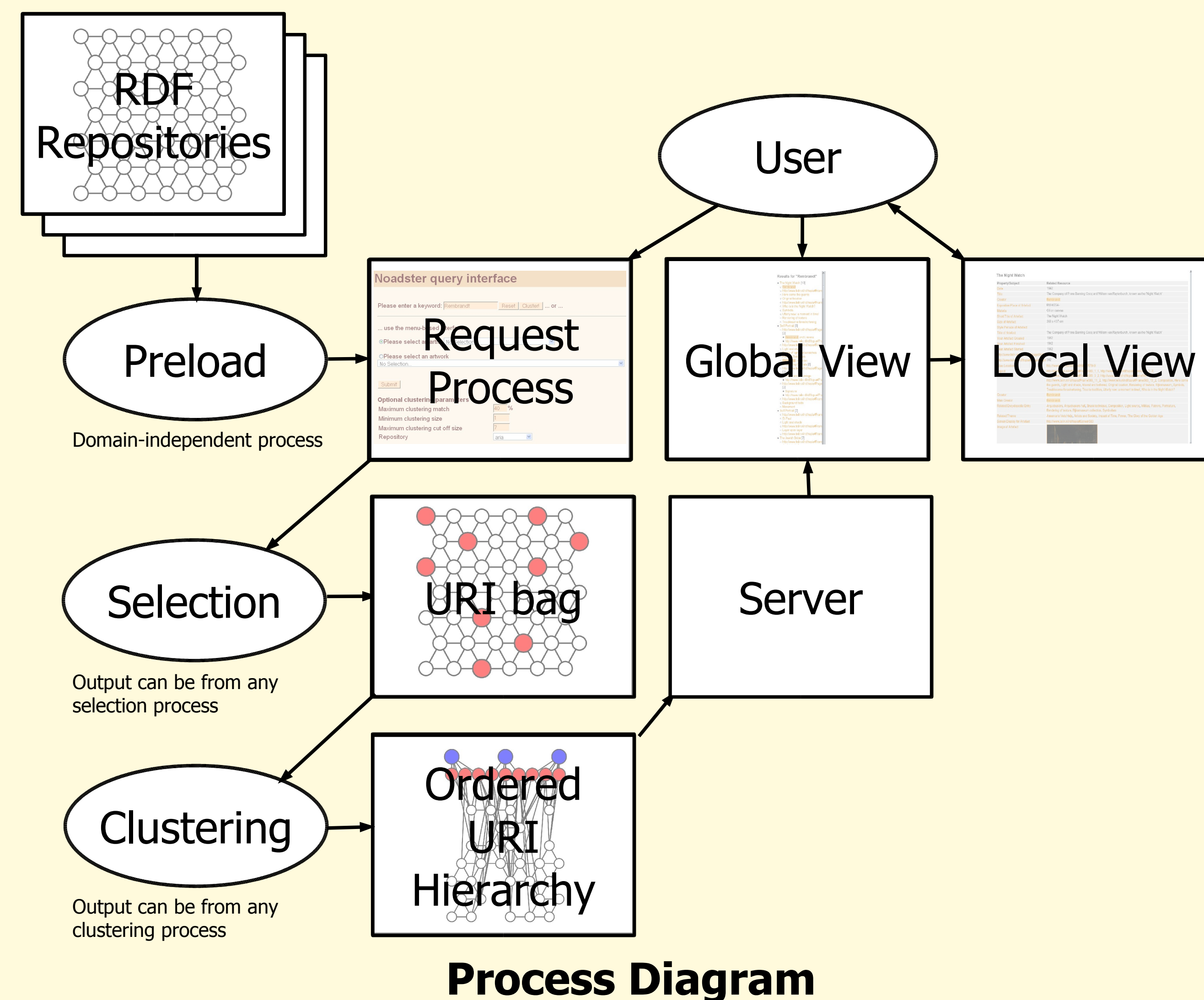
- Triples already harvested
 - General architecture still valid for the general Web
- RDF-annotated media available for display
 - Including images, literal, <rdfs:label> and <rdfs:comment>
- Extensible domain-independent foundation
 - Reasonable default display for any vocabulary
- "Style sheets" for specific vocabularies

Request form

Results for "Rembrandt"
Here come the guards
<rdfs:comment>

Global view

Local view



Views

Global

- Search ala Google
- Grouped ala Clusty
- Works as outline
- Structured links of relevance throughout knowledge base

Local

- Like clicked link from Google
- Single topic from global interface
- Generated as Semantic Browser

Authoring Impact

Publish facts, not documents

- Each fact immediately accessible
 - Each fact immediately impacts structure
- Techniques
- RDFS subproperty to labels and comments
 - Inferring enough common properties for clustering

Semantic Web not just AI in XML

- It's more familiar than you think
 - It's about writing, sharing and conveying information
- Semantic browsing is hip and happening
- Emerging tools under active development
 - An emerging community: development groups and workshops

Vision

Document structure is important interface

- Semantics make search results more sensibly structurable
- Existing clustering tools generate document structure from semantics
- Enticing progress made
- Much exciting work to do

What's next?

- Good, accessible RDF for browsing
- Stylesheets for appearance and structure: Fresnel
- The Mosaic for Semantic Browsing: Simile/Longwell?

