What IS Happening With All This: ORE Applications

- Strategic Indicators
- Creation
- Visualization
- Current Data Providers
- Repository Interfaces
- Tools

Strategic Indicators

- OREChem
  - Microsoft funded project: Cornell, Cambridge, Indiana
  - Compound Objects – Chemical Markup plus documents
  - Knowledge Aggregations – Bundles of information about chemicals

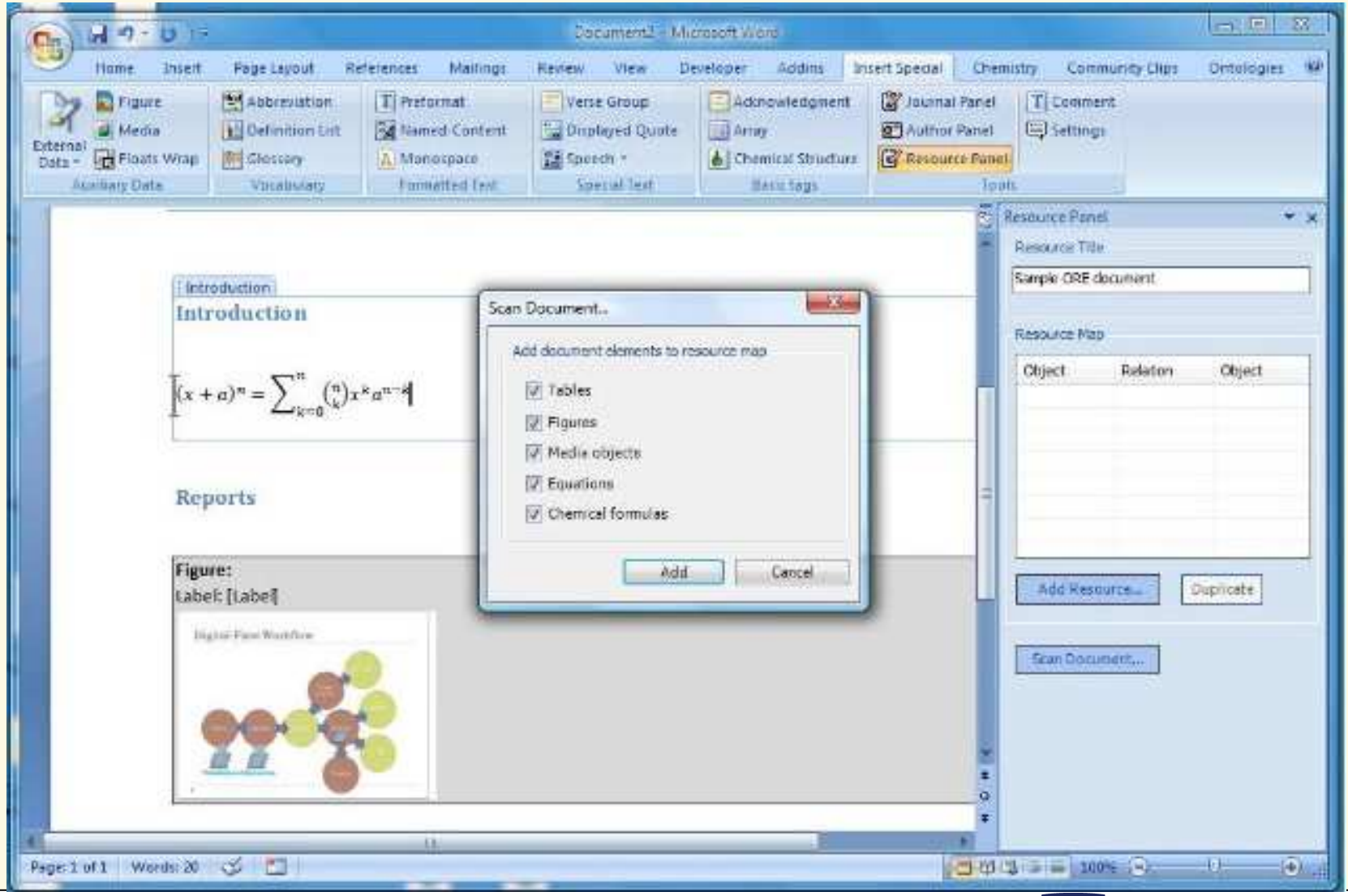
- DataNet
  - Data Preservation and Re-use
  - ORE as glue for interoperability between environments
  - NSF ($$$M, multi-year)

- DRIVER2, Europeana, TEL
  - EU funding
  - European Cultural Heritage exposed via ORE

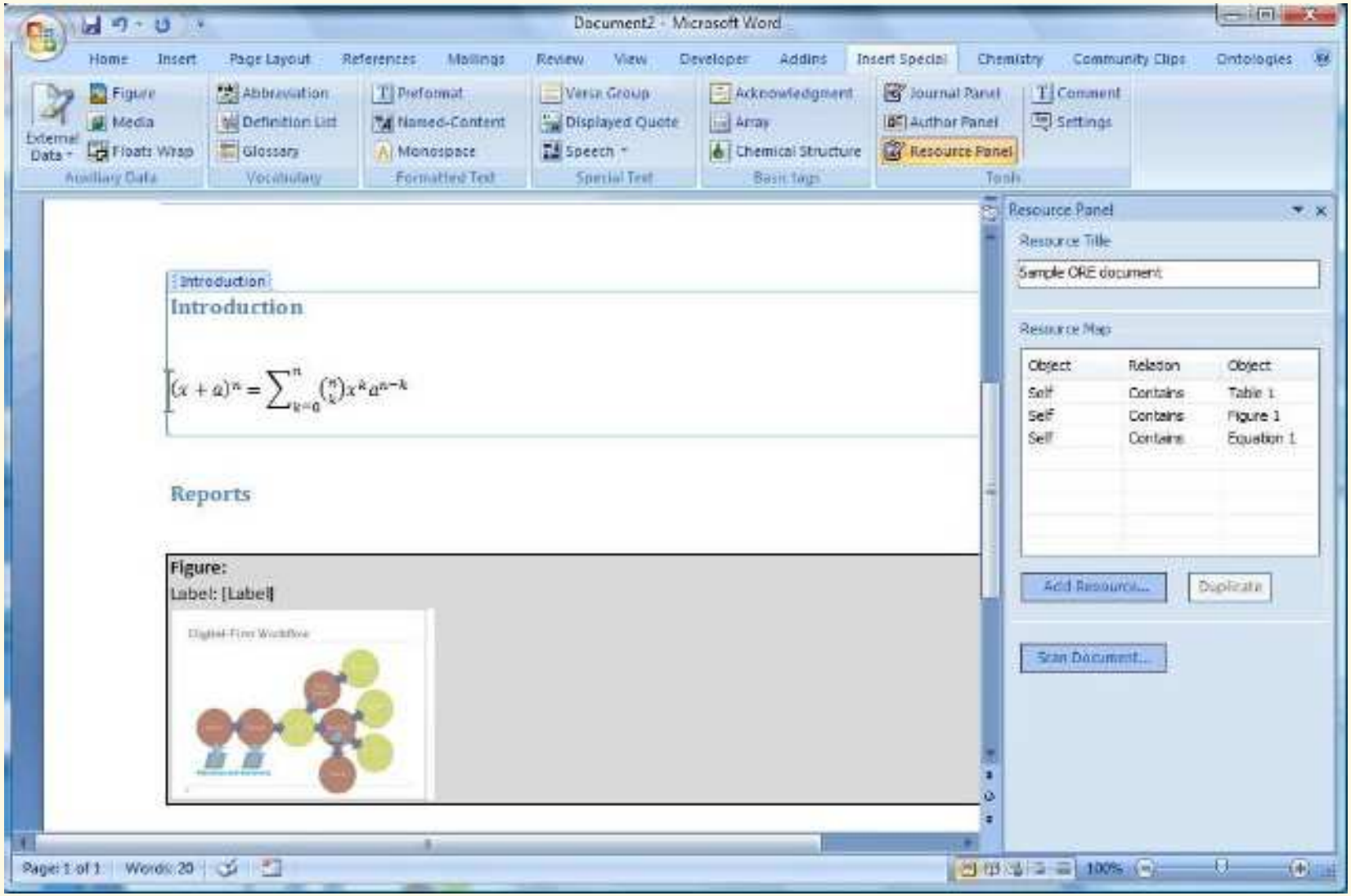
Strategic Indicators

- Open Annotation Collaboration
  - http://www.openannotation.org/
  - Interoperable annotation via ORE
  - Mellon funded – just started
  - Partners:
    - LANL
    - UIUC
    - U. Queensland
    - Center for History and New Media (GMU)
    - Maryland Institute for Technology in the Humanities
    - JSTOR

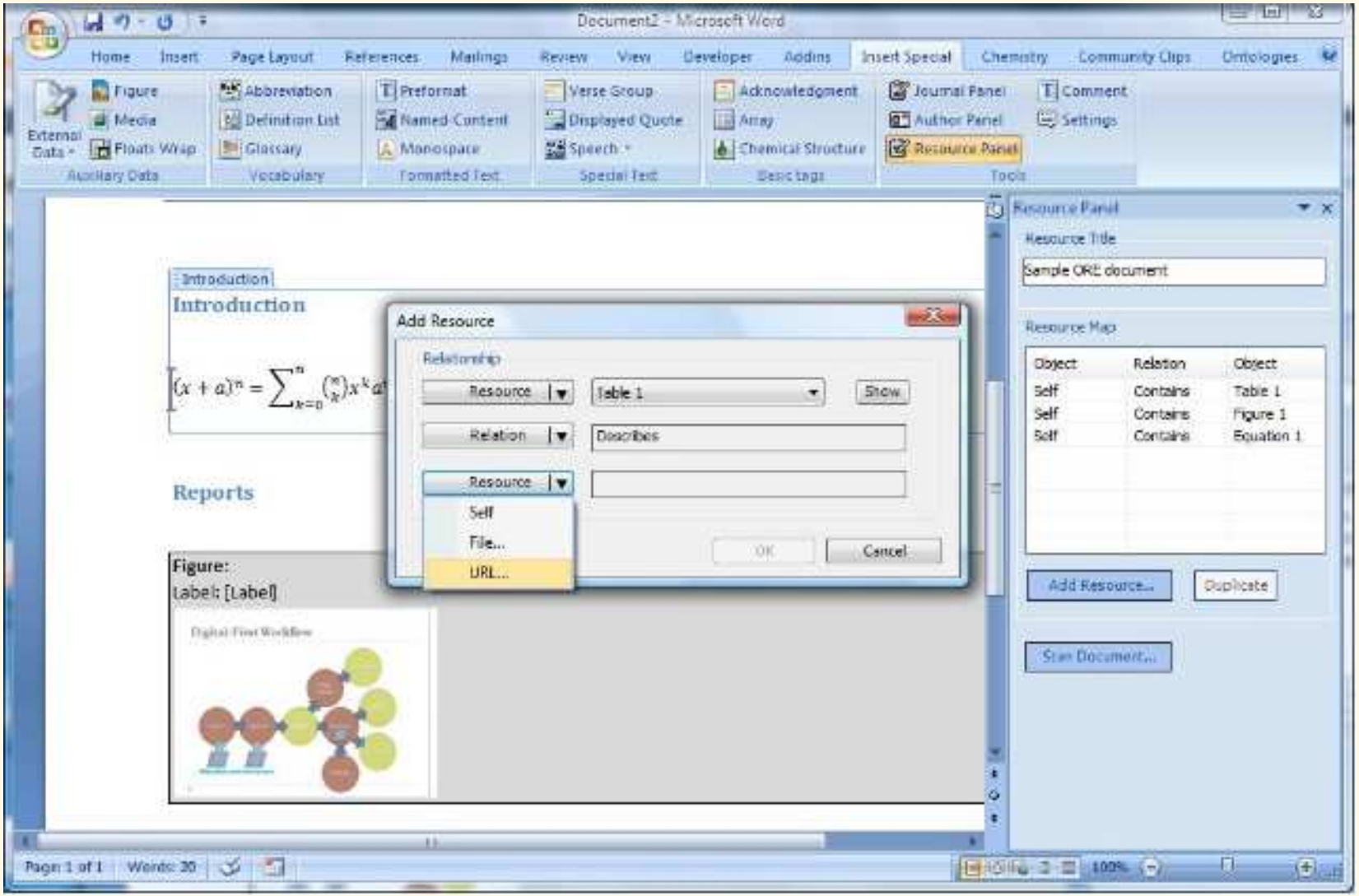
Creation: Microsoft Word



Creation: Microsoft Word



Creation: Microsoft Word



Creation: LORE

Firefox plugin to create ORE Resource Maps

- Not currently available, but GPL version coming soon
- http://blip.tv/file/2132990/

Visualization: Foresite Explorer

Firefox plugin to visualize ORE Aggregations

- Greasemonkey script (works on all sites)
- Dynamic SVG and AJAX

- https://addons.mozilla.org/en-US/firefox/addon/748
  (top search result for greasemonkey in google)

- http://foresite.cheshire3.org/explorer/

All of the links available at:
http://www.groupme.org/GroupMe/tag/oai-ore
(also available as ORE, as we'll see)

Data Providers

- **Library of Congress: Chronicling America** (native)
- **JSTOR** (wrapped, native version coming soon)
- **MyExperiment** (native)
- **Flickr** (wrapped)
- **GroupMe** (wrapped, native version coming soon)
- **Oxford Research Archive** (native)
- **Word Press** (native via plugin)
- **Amazon** (wrapped)

- You? (coming soon)

Repository Interfaces

- **EPrints**
- **Fedora**
- **DSpace**
- **ICE**
- **Omeka**
- **Microsoft Zentity**
- **Cheshire3**
- **Drupal** (coming soon)

Tools and Libraries

- **Foresite Libraries**
  (python, java)
- **Foresite Transformer**
- **LANL Atom Validator**
- **OAI4J Library**
  (National Library of Sweden)
- **RDF Library is 95% of what you need**
  (eg jena, rdflib, rap)

Foresite Python Library

- Object Oriented layer over RDF Library
- Easy [black] magic interfaces
- Parses, Serializes all formats

```
a = Aggregation('uri-a')
a.title = 'My Aggregation'

r = AggregatedResource('uri-ar')
a.add_resource(r)

me = Agent('uri-me')
me._foaf.name = 'Rob Sanderson'
a.add_agent(me, 'creator')

srlz = AtomSerializer()
rem = a.register_serialization(srlz, 'uri-r')
rd = rem.get_serialization()
```

Questions?

- **Thanks for Coming!**
- **URIs to write down:**
  - http://www.openarchives.org/ore/
    (ORE Specification)
  - http://groupme.org/GroupMe/tag/oai-ore
    (All the URLs from this presentation in groups)