

# ICE: eResearch for Word users

I'm just blogging this poster from OR08 to show that it can be done.

## About this hyperposter

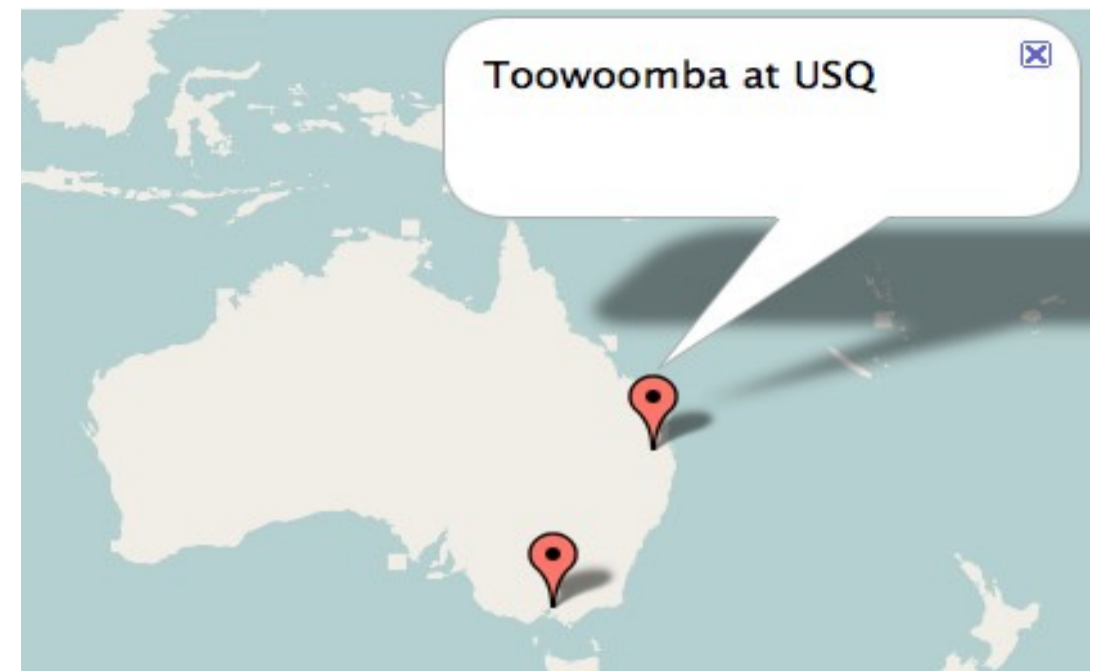
This poster is a hyperdocument designed to show some potential applications for eResearch publications.

This document has embedded semantics.

For example, it was written in:

- [Toowoomba at USQ](#) (S 27.601335° E 151.930854°),
- for a [conference in Melbourne](#) (S 37.849925° E 144.978368°)

Embedded geographical data (via [geohash](#)) can be used to generate a map like the one here. On the web, this is an interactive, automatic process.



[OpenStreetMap](#) data can be used freely under the terms of the Creative Commons Attribution-ShareAlike 2.0 license.

## The mythical datument

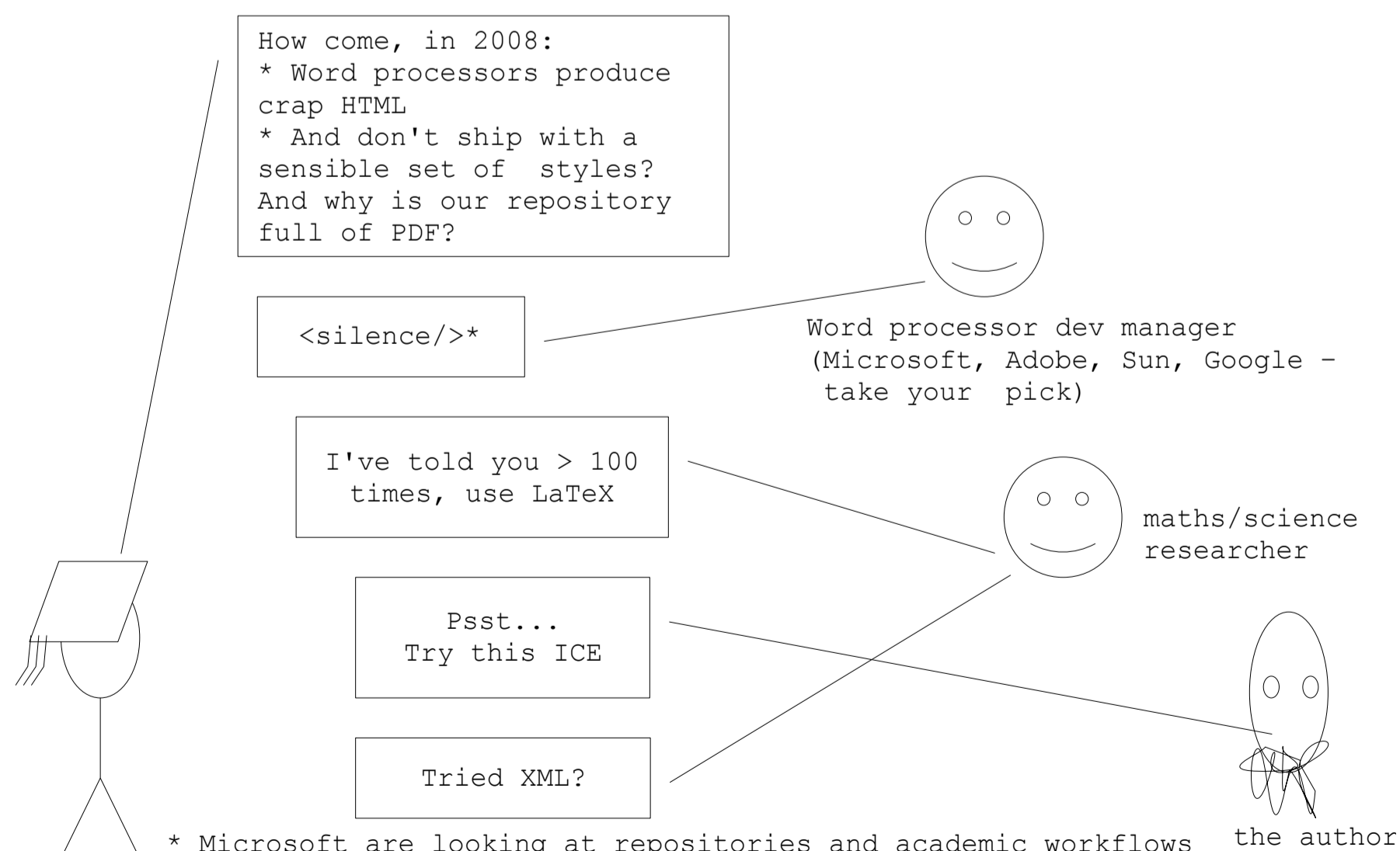
The term Datument was coined in 2004 by Peter Murray-Rust and Henry Rzepa:

A datument is a hyperdocument for transmitting "complete" information including content and behaviour. ... where the machine is supplied with tools which are semantically aware of the document content. Examples of the latter are domain-specific XML components such as maps (GML), graphics (SVG) and molecules (Chemical Markup Language, CML)

Murray-Rust, P. & Rzepa, H.S., 2004. The Next Big Thing: From Hypermedia to Datuments. Journal of Digital Information, 5(1), p.248. Available at: <http://jodi.tamu.edu/Articles/v05/i01/Murray-Rust/?printable=1>

But they are far from common. This poster / blog post / presentation / map-mashup might be the closest you have ever been to one.

## It's only 2008 – be patient!



# ICE: eResearch for Word users

## Produce PDF, HTML and more from word processors

1. Microsoft **Word** (Windows & Mac)
2. **OpenOffice.org** Writer & derivatives (Windows, Mac and Linux)
3. Applies **styles behind the scenes** to capture structure
4. **Command line or web** service for integration
5. **Open source** – built on Python + OpenOffice.org
6. Works with [Zotero](#)
7. Built in **version control** via [Subversion](#)
8. Integrated with ePrints and other repositories (coming soon via the [ICE-TheOREM](#) project)

Inline Annotations

Multiple renditions  
HTML, PDF  
Even speech-synthesis

Embedded metadata

Structured content

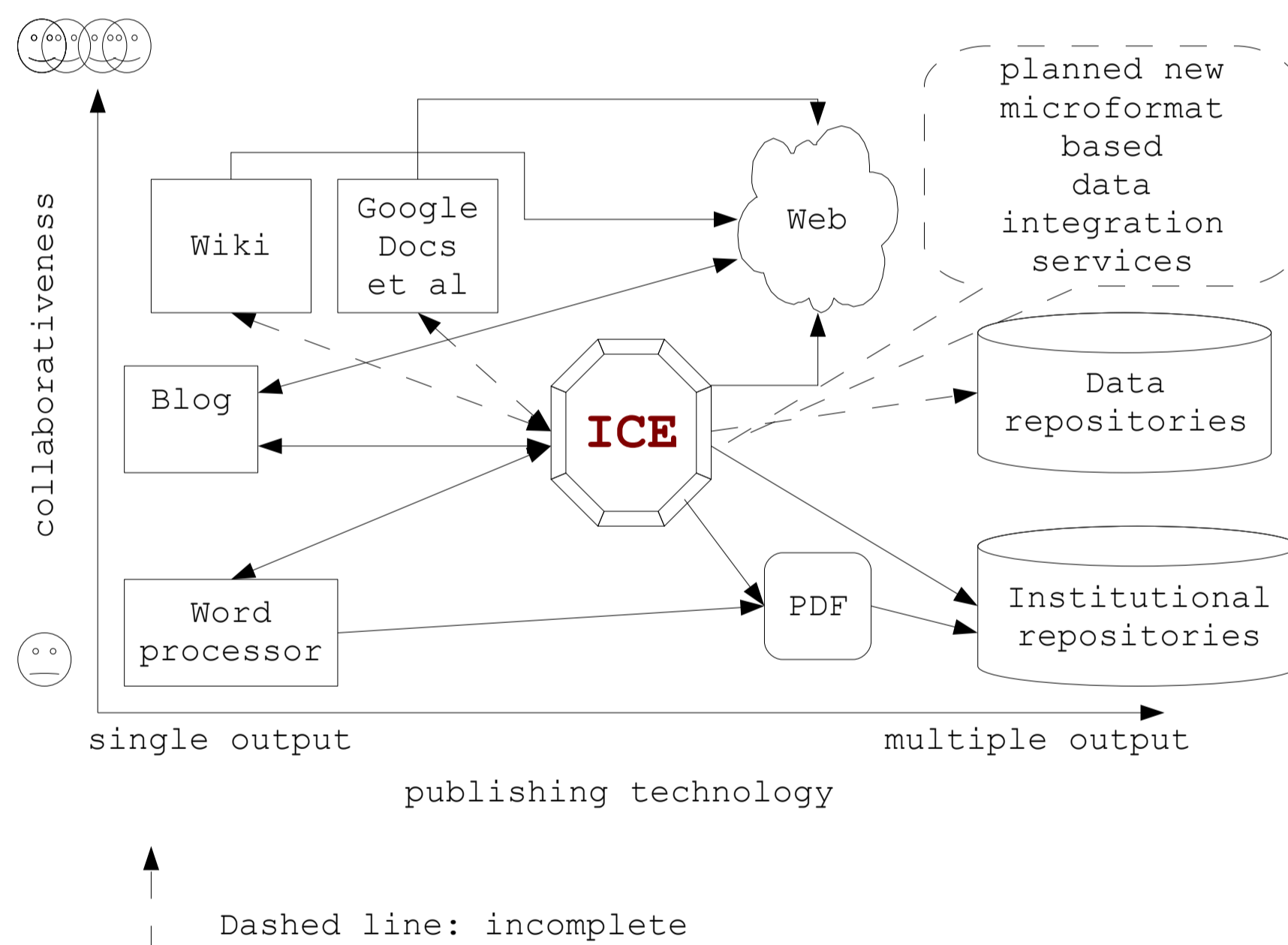
Comment by: sefton Mon Sep 22 04:42:10 2008 Close Reply  
Should the title have had ICE in it?

Comment by: sefton Mon Sep 22 04:42:24 2008 Close Reply  
Too late now, I suppose

- Introduction and assumptions
- Generic issues with generic tools
- What can we do now?
- The Integrated Content Environment, ARCHER and alternatives
  - Templates and user interface
  - Potential for repository integration
  - Preservation ready
  - Collaboration facilities
  - ICE issues
- Conclusion: A call to action
- References

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2008-05-23

## ICE: a hub for collaborative authoring



# ICE: eResearch for Word users

## Ask me how

(Metadata is embedded in the hyperposter using styles)

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Also available in machine readable form:

- Dublin Core

```
<oai_dc:dc>
  <dc:title>ICE: eResearch for Word users</dc:title>
  <dc:creator>Peter Sefton</dc:creator>
</oai_dc:dc>
```

- RDF – [ORE](#) resource map for migration to repositories