

Conclusion Talk

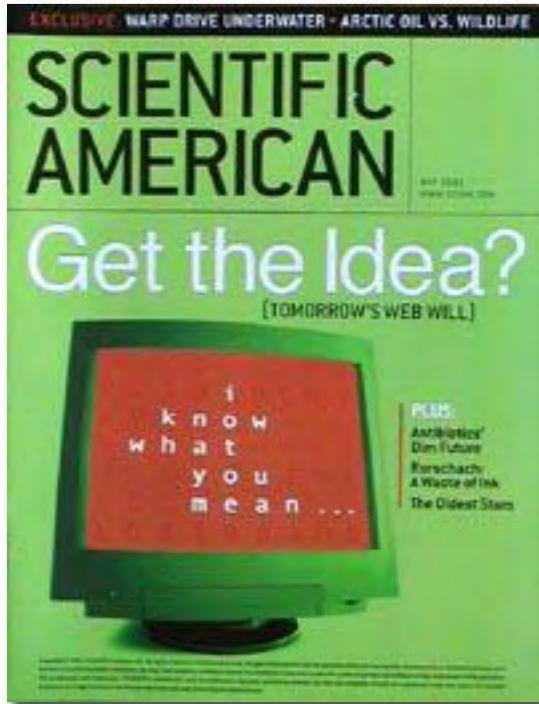
Jim Hendler

<http://www.cs.rpi.edu/~hendler>

Possibilities

- Another Talk in Rhyme:
 - Linked Data relies, on great URIs
- 75th anniversary:
 - 75 important facts about the Semantic Web
- Our location:
 - The declaration of data independence
- Or the title of the meeting

My opinion: myth or fact



FACT

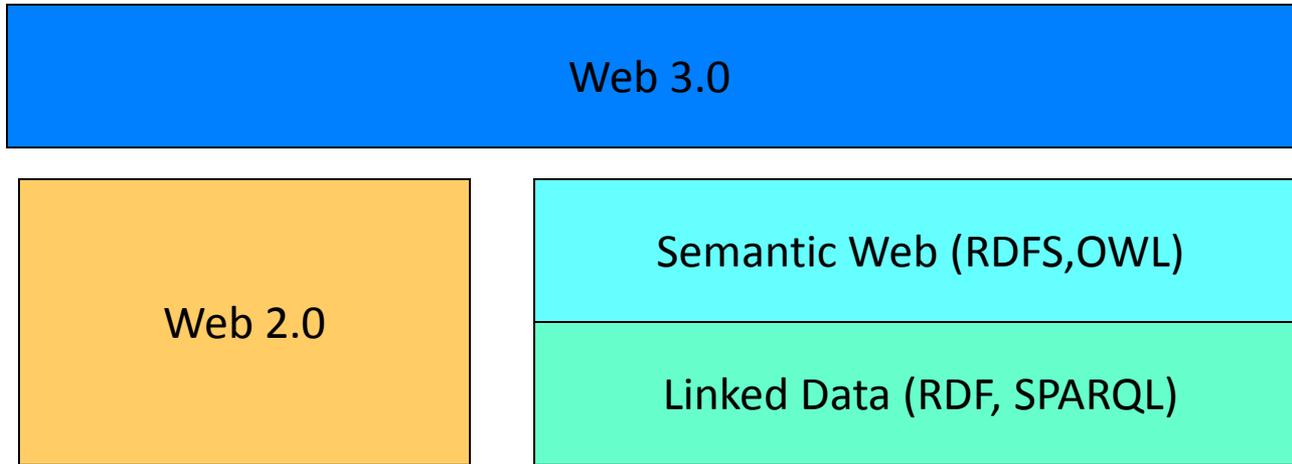
(Berners-Lee, Hendler, Lassila; 2001)

Linked data relies on good URIs

- Libraries, publishers, authoritative sources must create URIs that we can link things to
 - Example: data.gov => <http://data-gov.tw.rpi.edu>
 - We have turned govt data into linked RDF (5B triples to date) but we don't know what it all means – Help us



Web 3.0?



Web 3.0 extends current Web applications using Semantic Web technologies and graph-based, open data.

Multiple browser windows are visible, showing a Twine profile for 'jim hendler' and a Freebase entry for 'Leicester facts'. The Twine profile includes a photo, a bio, and a list of recent activities. The Freebase entry provides details about Leicester, including its location and population.

YAHOO! DEVELOPER NETWORK

MY PROJECTS | APIs & WEB SERVICES | RESOURCES | SUPPORT

SearchMonkey

SEARCHMONKEY

Using SearchMonkey

useful and visually

HOW DOES IT W

The SearchMonkey

you've built your ap

Web | Images | Videos

Dr. Seuss' Horton H

garlik™ The online identity experts

Home | About Garlik | Garlik products | What our customers say | News | Sign up

Log in

DataPat

Would you

- If your data
- If a website
- If someone

As a DataPatrol

Financial fraud is

Every month Data

What's protected



Bintro is a free service that matches you to what you're looking for.

Post your need for:



employment & services



charities & volunteering



partnerships & joint ventures



investment



mentoring



Didn't find what you're looking for? suggest a category for your need

"Bintro gave us the leads we were looking for. We entered our information and in ten minutes, we were on our way. We have already found a great graphic designer."
Shane Hankins - Grassroots.org

BINTRO
in the NEWS
EXTRA! EXTRA!
READ ALL ABOUT IT!

Future?

- The best way to predict the future is to invent it – Alan Kay, ca. 1971

The Semantic Web (ca. 2001)



SCIENTIFIC AMERICAN
Get the Idea?
(TODOROVSKI'S WEB HILL)

SCIENTIFIC AMERICAN Article notes

[Joint starting place:]

- I. Semantic Web Vision (TBL)
- II. What are the enablers? (in sequence)
 - Screen Scraping (Ora and TBL)
 - Data on Web (Ora and TBL)
 - Zip code link between Data Bases (TBL)
 - Ontology Independence (JAH)

Effect of Scale (TBL)

“Then, a miracle occurs”

- III. What can you do with it? (not necessarily in sequence)
 - Self-describing documents (JAH)
 - Logic to encode... (TBL)
 - Services and Advertising (Ora)
 - Devices (Ora)
 - Digital Signatures, Authentication, and Trust (TBL)

(Berners-Lee, Hendler, Lassila; 2001)



2007, Left UMCP

=>



Tetherless World Constellation
RPI

1B computers (mostly owned by a few large companies)
3B cell phones (most are Web enable)



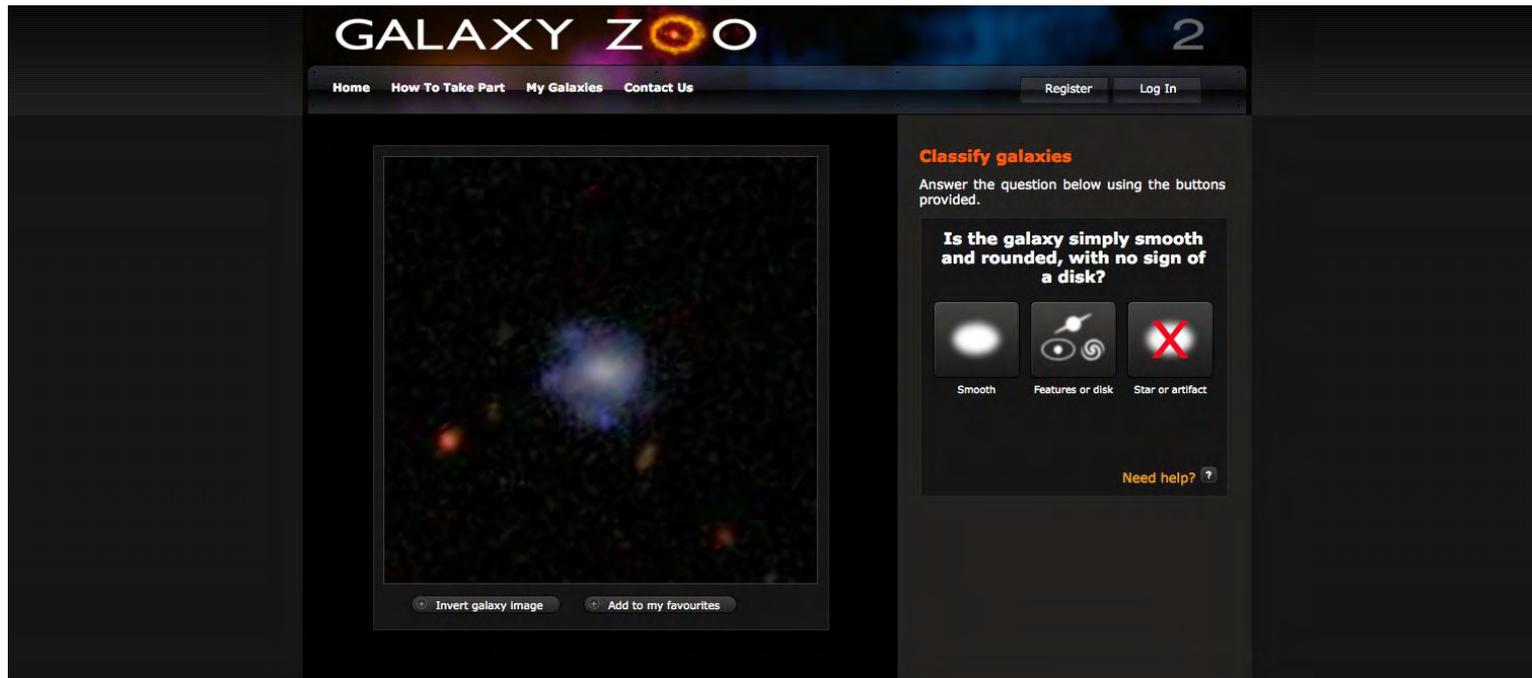


Sem Web
going mobile?
(Add social contexts)

We are the Web:

The rise of the social machine *

- Imagine building your own Galaxy Zoo



- How can we make this a turnkey technology?

* Publisher needed 😊

Questions?