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Preservation in a Dynamic Environment

Review of developments in the
preservation environment

By Sheila Morrissey
ITHAKA Sustainable Scholarship 2013
October 21, 2013

2013: Collaborations

Shared Concerns:



Shared Technology:



THE BRITISH LIBRARY
Explore the world's knowledge



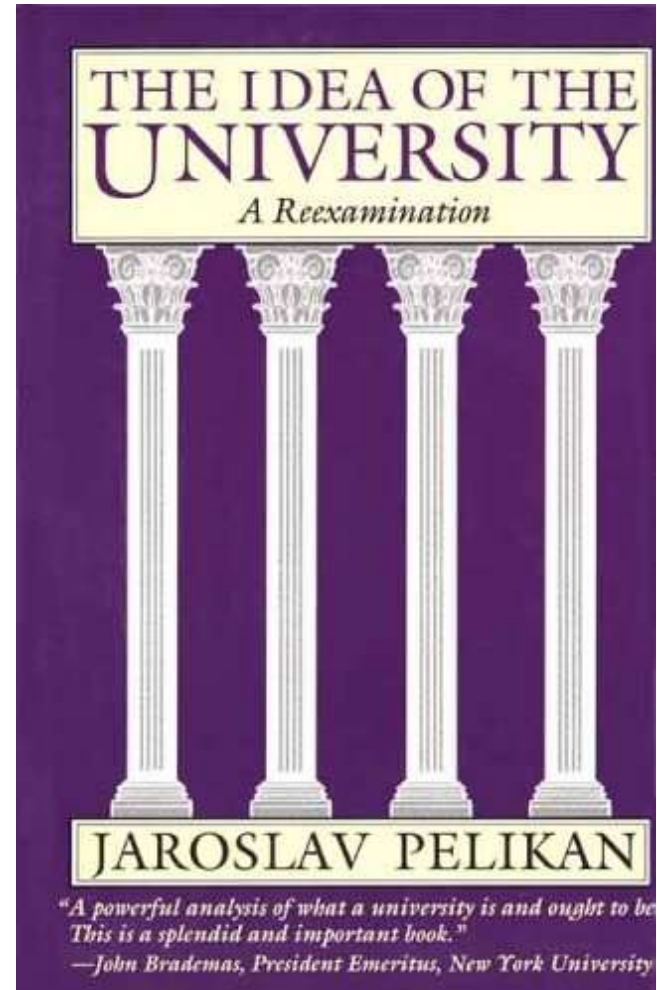
Shared Experience:



“The Ship of Theseus”



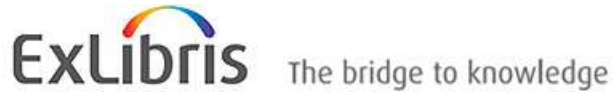
Memory and Expectation



Macro-environment: Recession, Higher-Ed Bubble



Technology choices: 2003 => 2013



Technology: Difference in degree=>difference in kind

The Atlantic



Study: Men's Biceps Predict Their Political Ideology

Who Are China's 'Reborn Children'?

Politics | Business | Tech | Entertainment | Health | Sexes | National | Global | China

Special Reports | Video | Photo | Ebook | Newsletters | **JUST IN** | Obama Goes on the Offensive, Hold the Charm | Jill L

Paul Otellini's Intel: Can the Company That Built the Future Survive It?

As the CEO steps down, he leaves the Intel machine poised to take on the swarming ecosystem of competitors who make smartphone chips.

ALEXIS C. MADRIGAL | MAY 16 2013, 10:51 AM ET |

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Paul Otellini shows off the chip-circuitry lining of the coat hanging in his Intel cubicle as an iconic bunny man keeps watch (Alexis Madrigal).

Forty-five years after Intel was founded by Silicon Valley legends Gordon Moore



Big Data

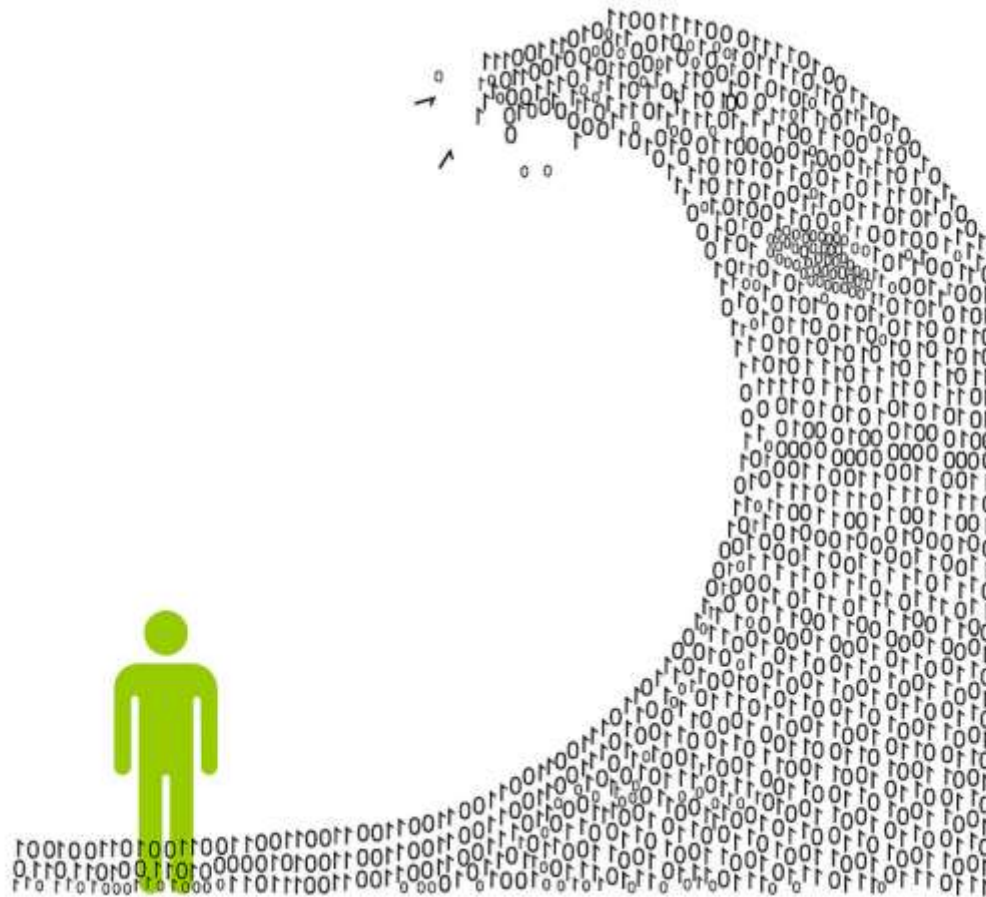


Image courtesy Mark Smiciklas, Intersection Consulting



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Libraries: From Collections ...



Chained Library, St. Walburga's Church, Zutphen

Image courtesy [Eric Kwakel](#)



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Libraries: From Collections to Connections



Mansueto Library Reading Room

[Image courtesy U.Chicago Library](#)



PORTICO

Libraries: From Collections to Connections to...

The screenshot shows the Google Books homepage in a browser window. The address bar displays 'books.google.com'. The page features the Google Books logo at the top center. Below the logo, there are two main promotional boxes. The left box is titled 'Researching a topic?' and contains a search bar with a 'Search Books' button and a link to 'Browse books and magazines'. The right box is titled 'New! Shop for Books on Google Play' and includes a 'Go to Google Play Now' button and the Google Play logo. At the bottom of the page, there is a 'My library' link and a footer with various links and the copyright notice '©2012 Google'.

Google Books

books.google.com

Researching a topic?

Search the latest index of the world's books. Find millions of great books you can preview or read for free.

Search Books

[Browse books and magazines](#)

New! Shop for Books on Google Play

Browse the world's largest eBookstore and start reading today on the web, tablet, phone, or reader.

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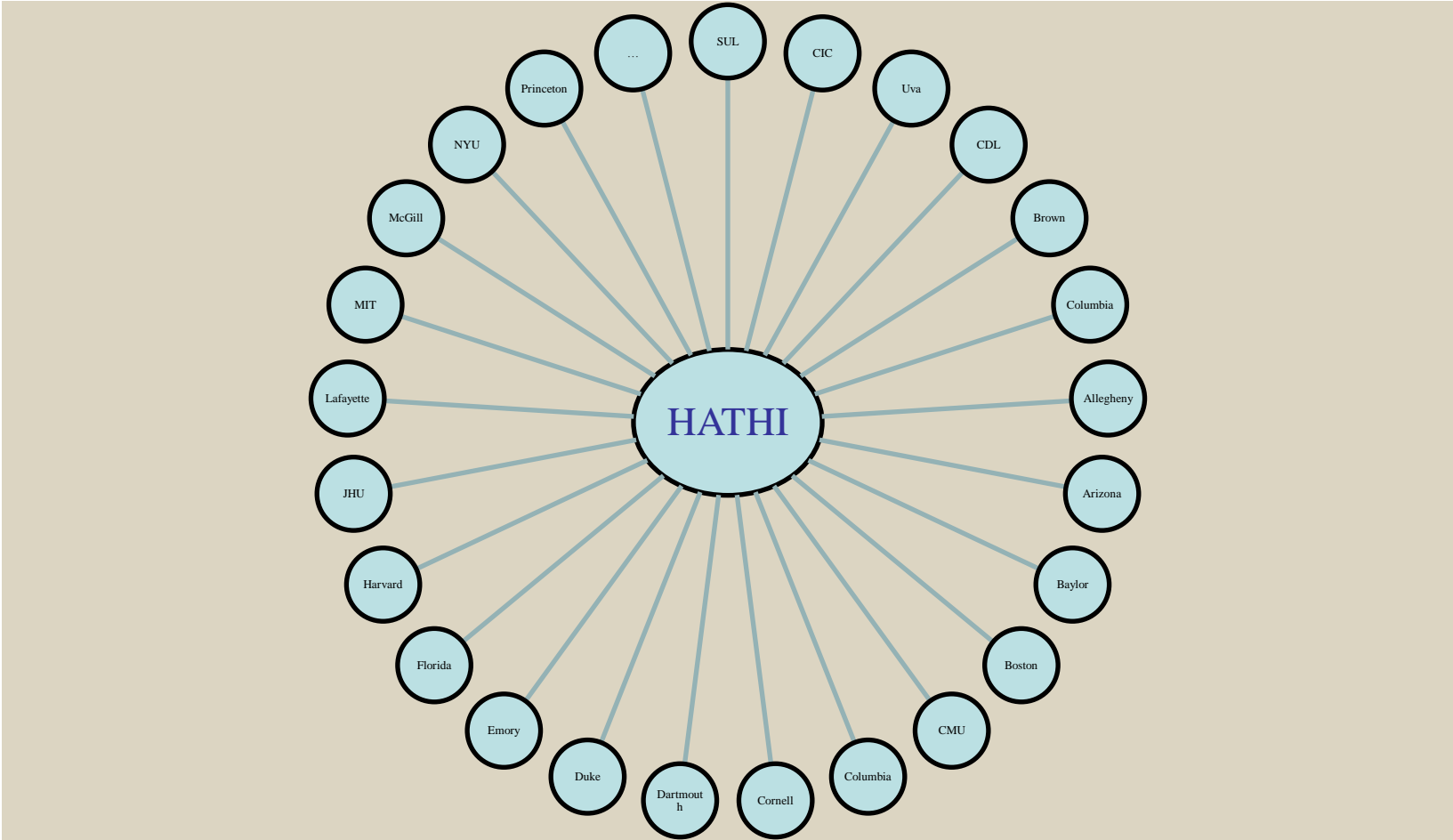
Libraries: From Collections to Connections to Collaborations

The screenshot shows the HathiTrust Digital Library homepage. At the top left is the HathiTrust logo. A search bar is prominently displayed with the text "Search HathiTrust's digital library" and options for "FULL-TEXT" and "CATALOG". Below the search bar is a text input field and a "Search" button. To the right of the search bar is a "LOG IN" button and a yellow callout box that says "Want to get the most out of HathiTrust? Log in with your partner institution account to access the largest number of volumes and features. Get a HathiTrust account".

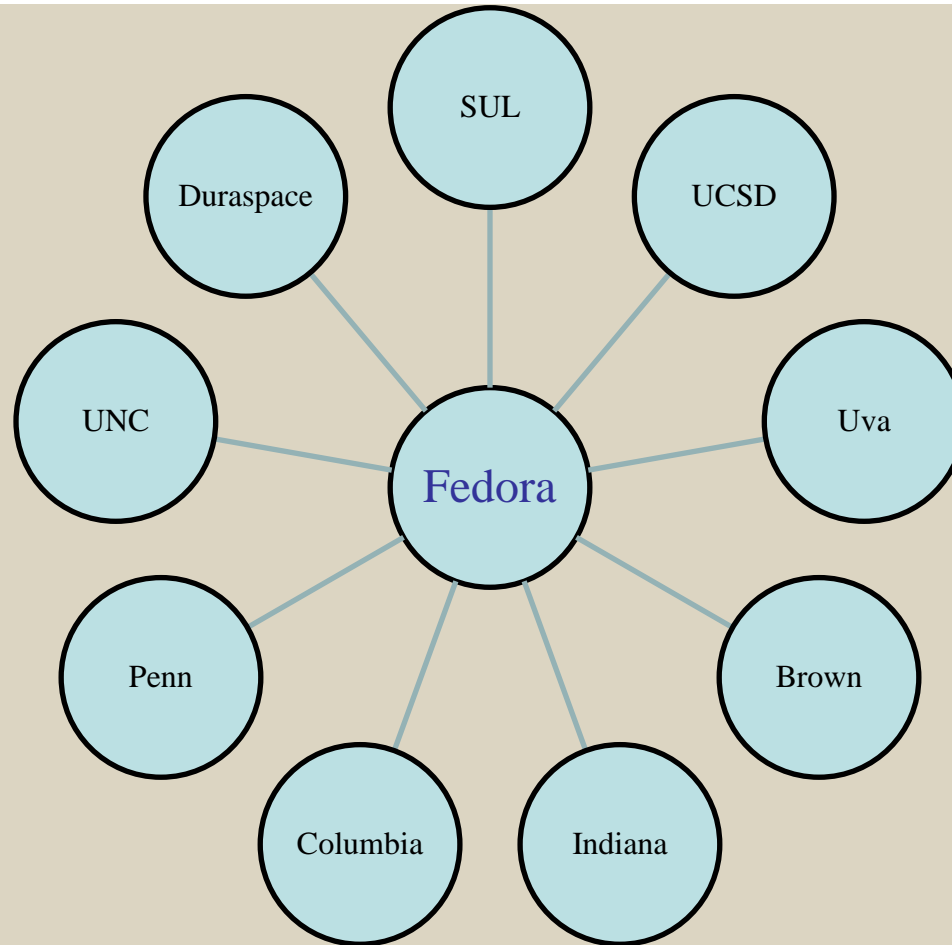
Below the search bar, there are four icons representing different services: "BROWSE COLLECTIONS", "READ BOOKS ONLINE", "READ BOOKS ON THE GO", and "DOWNLOAD BOOKS & CREATE COLLECTIONS". Each icon has a brief description of the service. Below these icons is a section titled "THERE'S EVEN MORE YOU CAN DO WITH HATHITRUST" which includes a link to "View Projects & Statistics".

At the bottom of the page, there is a "LATEST TWEET FROM @HATHITRUST" section featuring a tweet from HathiTrust about a Treaty for the Blind. The footer contains navigation links: Home, About, Collections, Help, Feedback, Mobile, Take-Down Policy, Privacy, and Contact. The Windows taskbar is visible at the very bottom of the image.

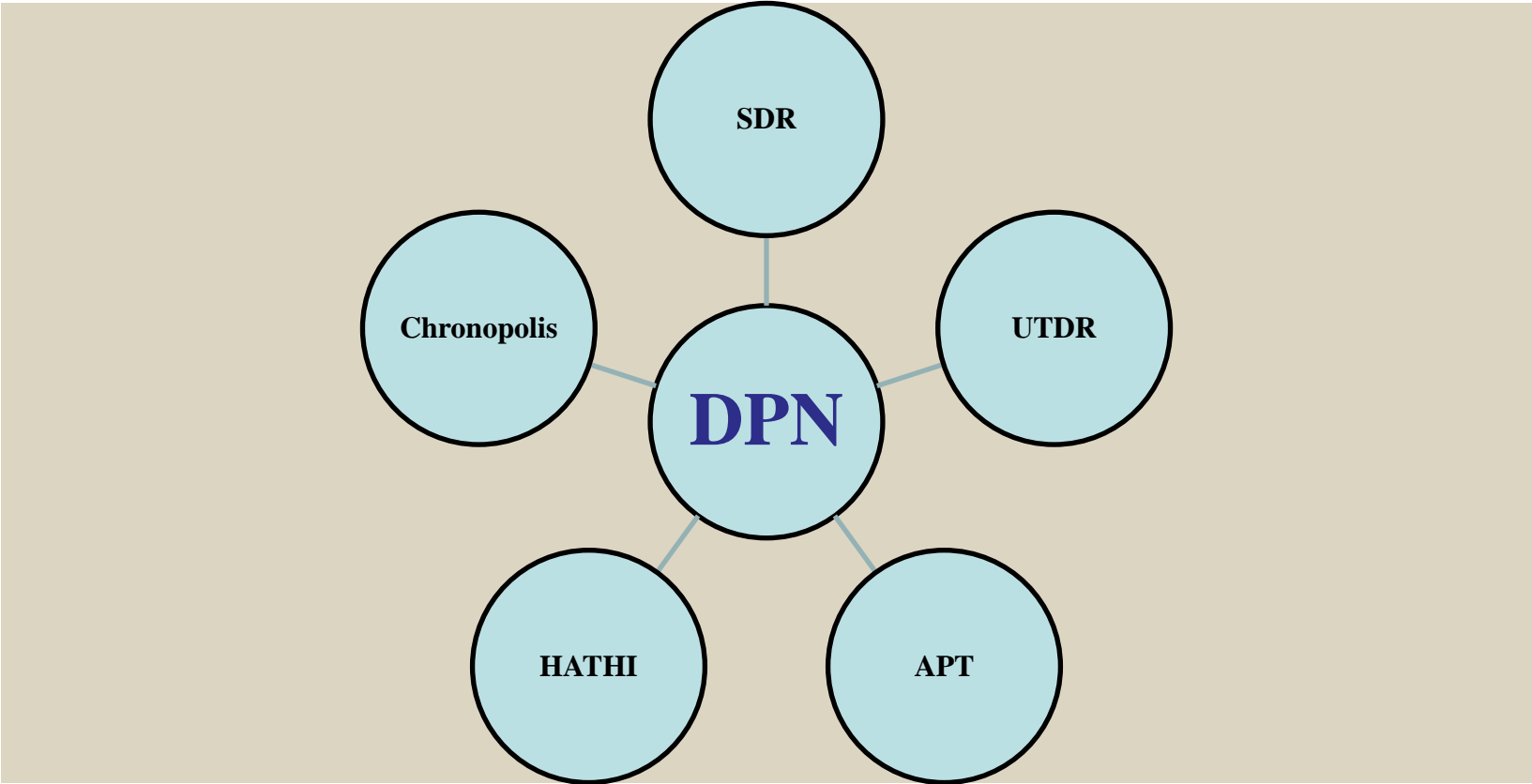
Collaborations: Content



Collaborations : Technology



Collaborations : Services



Library Collaborations: Centers of Excellence

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013



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Scholarly Communication: New Modes, New Media, New objects

CHNM
ROY ROSENZWEIG
Center FOR
History AND
New Media
PRESSFORWARD 



FEATURED
Emoticon, Emoji, Text II: Just ASCII
BY TOM MCCORMACK
Part two in a series exploring the history of text-based visual art.

Scholarly Communication: New Modes, New Media, New objects

The screenshot shows a web browser window displaying a ScienceDirect article. The browser's address bar shows the URL www.sciencedirect.com/science/article/pii/S0097848313000575. The page title is "Computers & Graphics" and the article title is "Landmark transfer with minimal graph". The article is available online from May 1, 2015, and is currently in the "In Press, Corrected Proof" stage. The authors listed are Vasyi Mykhalchuk, Frederic Cordier, and Hyeon Seo. The article is part of a "Special Section on 3D Object Retrieval".

The article abstract states: "We present an efficient and robust algorithm for the landmark transfer on 3D meshes that are approximately isometric. Given one or more custom landmarks placed by the user on a source mesh, our method efficiently computes corresponding landmarks on a family of target meshes. The technique is useful when a user is interested in characterization and reuse of application-specific landmarks on meshes of similar shape (for example, meshes coming from the same class of objects). Consequently, across a set of multiple meshes consistency is assured among landmarks, regardless of landmark geometric distinctiveness. The main advantage of our method over existing approaches is its low computation time. Differently from existing non..."

The article includes a "Highlights" section with the following points:

- We present a method for the landmark transfer on 3D meshes that are nearly isometric.
- One or more custom landmarks are placed by the user on a source mesh.
- Our method efficiently computes corresponding landmarks on a family of target meshes.
- For each landmark we construct a minimal graph that accurately locates the landmark.
- We adopt modified histograms of geodesic distance to consistently locate a landmark.

The article also features a "Bibliographic information" sidebar on the right, which includes a "Collage" section. This section provides a "More information on this application" and lists "Explore executable code and data belonging to this article". The collage includes:

- Data 1: Source mesh
- Code 1 (Octave 3.2.4): Select user landmark
- Data 2: Source mesh with user landmark shown in red
- Data 3: File containing user landmark
- Code 2 (Octave 3.2.4): Landmark transfer to the FIRST target
- Data 4: User landmark transferred to the FIRST target
- Data 5: File containing user landmark

The ScienceDirect logo and navigation links are visible at the top of the page. The browser's taskbar at the bottom shows various open applications and the system clock indicating 12:04 PM on 5/26/2013.

Scholarly Communication: New Modes, New Media, New objects

The screenshot shows the Research Object website in a browser window. The browser's address bar displays <http://www.researchobject.org>. The website header includes the Research Object logo and a search bar. A navigation menu contains links for Home, RO at 5000 feet, Examples, Geologies, Tools, Collaboration, Publications, History, and About. The main content area features the tagline "Enabling reproducible, transparent research." and a central diagram illustrating the Research Object workflow. This diagram shows a conveyor belt with boxes representing Research Objects, moving from left to right. A large box in the center represents the Research Object itself, with a smaller box being placed into it. Above the conveyor belt, a diagram shows the components of a Research Object: a central box labeled "Research Object" is connected to various icons representing different types of content: "Linked Open Data", "Executable", "Downloadable", and "Reproducible". Below the main diagram, there are three sections: "SEE EXAMPLE ROS" with a grid of icons, "CREATE YOUR OWN ROS" with a simple diagram of a box being placed into a larger box, and "GET HELP" with a question mark icon. At the bottom of the page, there are sections for "TWEETS" and "EVENTS". The "TWEETS" section shows a tweet from @RESEARCHOBJECT: "Check the new example of encoding an RO using RDF-a at <https://bl.dropboxusercontent.com/1/16510488/index.html>". The "EVENTS" section shows "NO EVENTS". The browser's taskbar at the bottom shows various application icons and the system clock indicating 9:15 PM on 8/25/2013.



Scholarly Communications: New Pressures



altmetrics



DOAJ DIRECTORY OF OPEN ACCESS JOURNALS



wellcome trust



PeerJ



ASSOCIATION OF RESEARCH LIBRARIES®
empowering the research library community



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Scholarly Communications: New Collaborations

SHARE



ORCID



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E Pluribus...



Unum?



Unum?







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Thank you

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www.portico.org



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