



Integrating Repositories for Research Data Sharing

Stephen Abrams

California Digital Library

Angela Rizk-Jackson

Julia Kochi

University of California, San Francisco

Noah Wittman

University of California, Berkeley





Why is data curation important?

- Accelerating scientific progress
- Enabling appropriate scrutiny and verification of results
- Promoting integrity and debate
- Facilitating new collaborations
- Avoiding needless duplication of effort
- Increasingly, complying with institutional policies, publication requirements, and funder mandates

Cf. White and Teds (2011), “Making the case for research data management” DCC briefing paper,
www.dcc.ac.uk/resources/briefing-papers/making-case-rdm



Merritt

■ Curation repository available to the UC community and external partners

- ◆ *Preservation and access*
- ◆ *Content agnostic, model free*
- ◆ *Highly decentralized micro-services architecture*

Cf. Abrams, Cruse, Kunze, and Minor (2011), "Curation micro-services: A pipeline metaphor for repositories," *Journal of Digital Information* 12(2), journals.tdl.org/jodi/article/view/1605

- ◆ *26 curatorial units*
- ◆ *271 collections*
- ◆ *325,000 objects*
- ◆ *450,000 versions*
- ◆ *4,500,000 files*
- ◆ *13 TB*

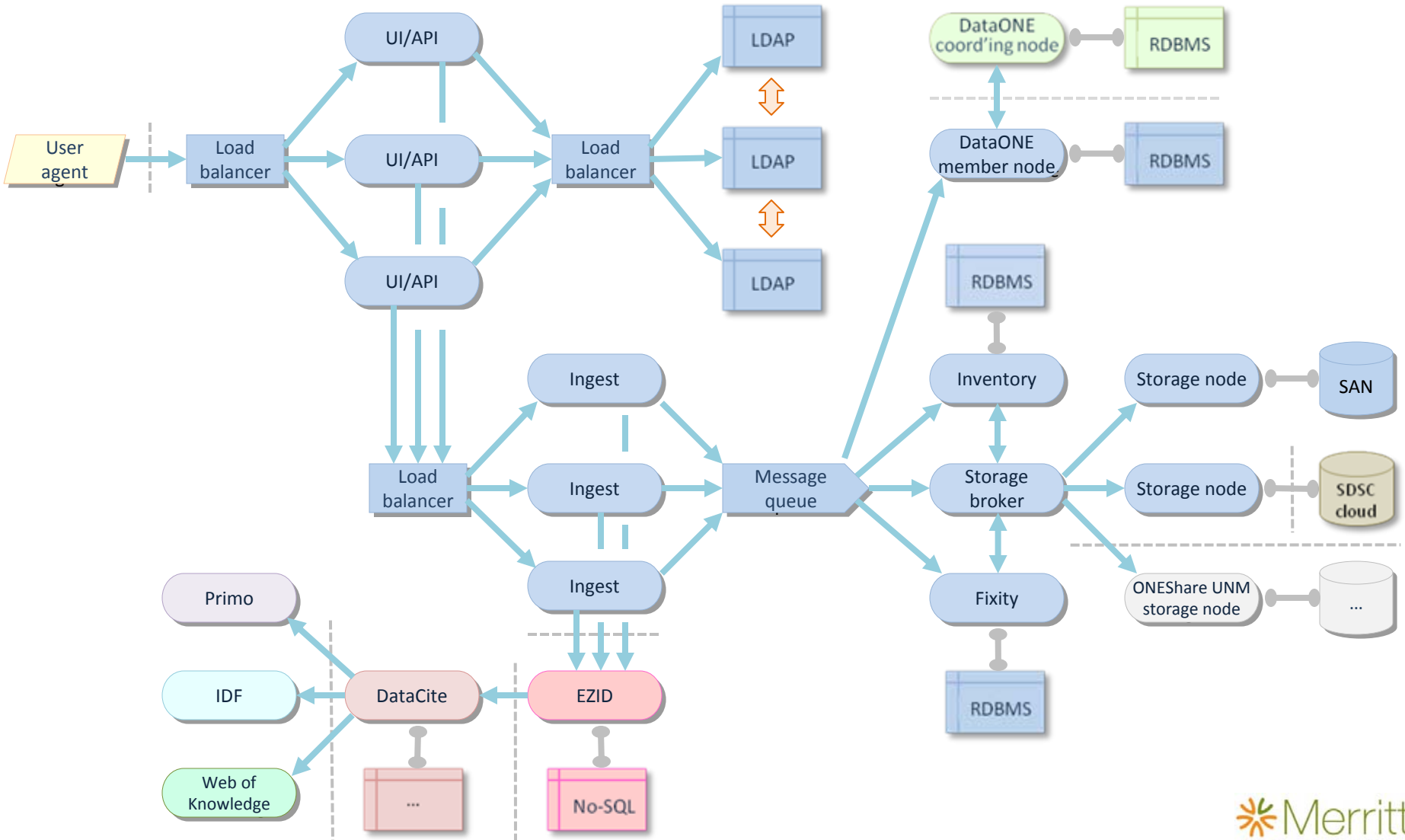
www.cdlib.org/uc3/merritt
merritt.cdlib.org



The screenshot shows the UC3 Merritt website. At the top left is the UC3 Merritt logo. In the top right corner, there are links for "Login" and "Contact UC3". The main content area includes a descriptive paragraph about Merritt as a cost-effective repository service, a paragraph explaining its Micro-Services architecture, and a section titled "Learn more about Merritt:" with links to "Handout: Merritt Uses and FAQ" and "Merritt User Guide". Below that is a section "Need a Merritt Account?" with a link to a "Contact UC3 form" and an email address "uc3@uccp.edu". On the right side of the page, there are two small images: a landscape painting and a historical illustration. At the bottom, there is a footer with copyright information: "Merritt is a service of the University of California Curation Center of the California Digital Library. Copyright © 2008-2013 The Regents of the University of California. Privacy policy | Image credits".



Merritt





(Some) issues to address

Scale

- ◆ Individual objects ranging from 0 to 47,000 files
- ◆ Individual files ranging from 0 to 14 GB

Maintaining control

- ◆ Concern over potential loss of control over dissemination and use of data

User experience

- ◆ Switch from organizational to individual interaction



www.flickr.com/photos/32195273@N05/51076852642



www.flickr.com/photos/traftery/4319529821



www.flickr.com/photos/vixon/116447718



(Some) issues to address

■ Scale

- ◆ *Individual objects ranging from 0 to 47,000 files*
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■ Maintaining control

- ◆ *Concern over potential loss of control over dissemination and use of data*

■ User experience

- ◆ *Switch from organizational to individual interaction*

➔ Augment repository function by composition (*when possible*) and addition (*when necessary*)

- ◆ *Loosely-coupled integration with external community supported systems and services*



Scale

■ Avoiding client timeout

- ◆ ≤ 2 GB: *File-based* → *stream-based AIP-to-DIP processing*
- ◆ > 2 GB: *Asynchronous delivery*
 - ▶ *Email notification with personalized, time-limited URL*

■ Streamlined storage provisioning

- ◆ *SDSC cloud*
cloud.sdsc.edu



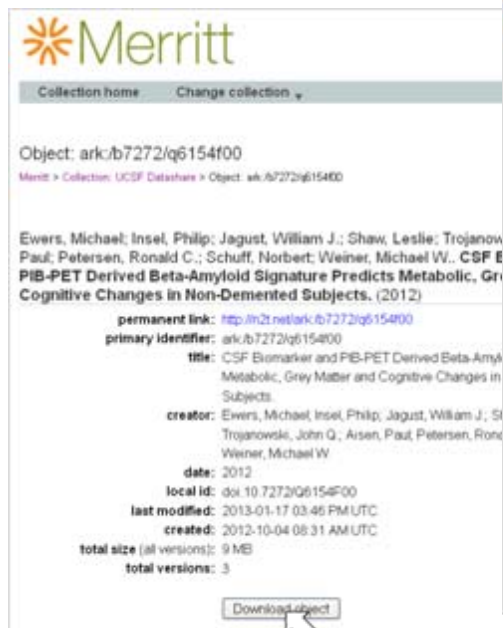


Control

■ Data use agreements (DUAs)

- ◆ Explicit assertion of license requirements and terms of use
- ◆ Curatorial and consumer notification of acceptance

Cf. Brazhnik and Jones (2007), "Anatomy of data integration," *Journal of Biomedical Informatics* 40(3): 252-69, [doi:10.1016/j.jbi.2006.09.001](https://doi.org/10.1016/j.jbi.2006.09.001)



Merritt
Collection home Change collection

Object: [ark:/b7272/q6154f00](http://n2t.net/ark:/b7272/q6154f00)
Merritt > Collection: UCSF DataShare > Object: ark:/b7272/q6154f00

Ewers, Michael; Insel, Philip; Jagust, William J.; Shaw, Leslie; Trojanowicz, Paul; Petersen, Ronald C.; Schuff, Norbert; Weiner, Michael W. **CSF Biomarker and PIB-PET Derived Beta-Amyloid Signature Predicts Metabolic, Grey Matter and Cognitive Changes in Non-Demented Subjects.** (2012)

permanent link: <http://n2t.net/ark:/b7272/q6154f00>
primary identifier: [ark:/b7272/q6154f00](http://n2t.net/ark:/b7272/q6154f00)

title: CSF Biomarker and PIB-PET Derived Beta-Amyloid Signature Predicts Metabolic, Grey Matter and Cognitive Changes in Non-Demented Subjects.

creator: Ewers, Michael; Insel, Philip; Jagust, William J.; Trojanowicz, Paul; Petersen, Ronald C.; Schuff, Norbert; Weiner, Michael W.

date: 2012
local id: doi:10.7272/q6154f00
last modified: 2013-01-17 03:46 PM UTC
created: 2012-10-04 08:31 AM UTC

total size (all versions): 9 MB
total versions: 3

[Download object](#)



Merritt
Collection home Change collection

DataShare Data Use Agreement

As part of this agreement, Consumer submits to the following statements:

- I will receive access to de-identified data and will not attempt to establish the identity of any study subjects.
- I will share these data only with my immediate co-workers, and I will not transfer these data to other research groups. I understand that these data are available to other research groups through the process by which I obtain them.
- I will require anyone in my group who utilizes these data, or anyone with whom I share the data to comply with this data use agreement.
- I will ensure that I provide the requested information for persons who will use these data in an analysis that are planned using these data.
- I will comply with any rules and regulations imposed by my institution and its institutional board in requesting these data.
- I understand that approved usage of these data does not entitle Consumer to any rights, interest in the shared data.
- I understand that Provider has the right to terminate this Agreement at any time for any reason.
- I will ensure that investigators who utilize these data will use appropriate administrative and technical safeguards to prevent use or disclosure of the data other than as provided in this Agreement.
- I will report any use or disclosure of the data not provided for by this Agreement of which I become aware within 15 days of becoming aware of such use or disclosure.
- I will, upon completion of my usage of these data, submit a final usage report describing the data were used and citing any abstracts, talks, or publications that resulted. This will be done within one year of data usage completion, or within 6 months of acceptance of any resulting abstracts, talks, or publications. I understand that failure to abide by these guidelines will result in a loss of my privileges to access any further data.

I accept all terms

*Name:
*Affiliation:
*Email:
*Phone:
*Address:

From: no-reply-merritt@ucop.edu
Subject: Merritt DUA acceptance

Name: Stephen Abrams
Affiliation: California Digital Library
Collection: UCSF DataShare
Object: Frontotemporal Lobar Degeneration (FTLD)
Date: 2013-05-31 09:50:34 PDT

Terms of use: As part of this agreement, Consumer submits to the following statements:

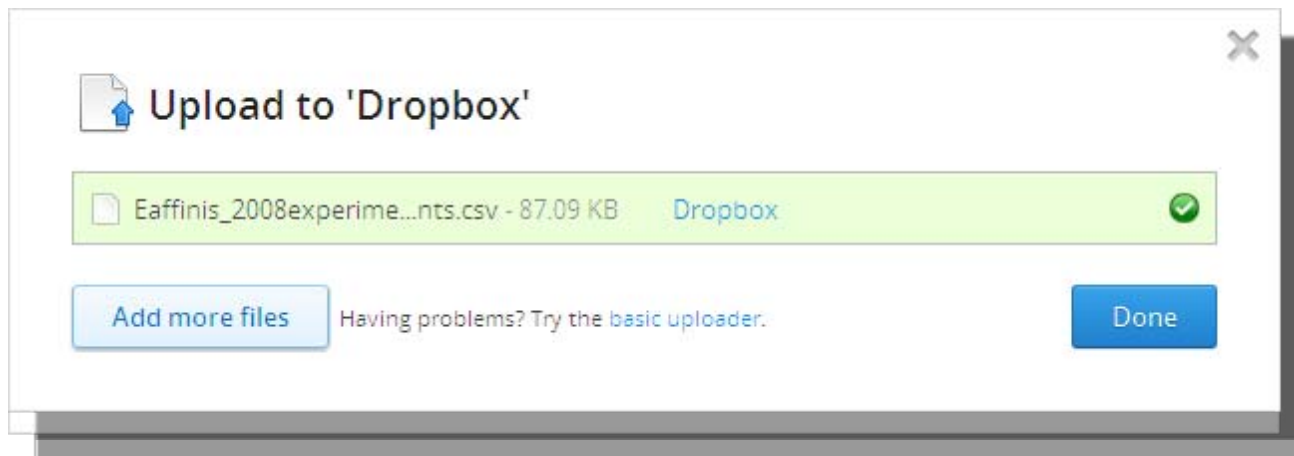
- (1) I will receive access to de-identified data and will not attempt to establish the identity of any of the study subjects.
- (2) I will share these data only with my immediate co-workers, and I will not transfer these data to other research groups. I understand that these data are available to other research groups through the process by which I obtain them.
- (3) I will require anyone in my group who utilizes these data, or anyone with whom I share these data to comply with this data use agreement

...



User experience

- Due to its open eligibility policy, Merritt will always provide a more generic UX than special-purpose or disciplinary systems
- Shifting user roles, shifting expectations
 - ◆ *Institutional* → *individual researcher*
 - ◆ *Behavioral expectations set by the commercial/mobile web*





User experience

- Due to its open eligibility policy, Merritt will always provide a more generic UX than special-purpose or disciplinary systems
- Shifting user roles, shifting expectations
 - ◆ *Institutional → individual researcher*
 - ◆ *Behavioral expectations set by the commercial web*
- Integration with extant services that better provide the desired UX
 - ◆ *DataShare*  DataShare
Open data for the global research community
 - ◆ *Research Hub*  ResearchHub



DataShare

- *“The goal of the DataShare project is to catalyze widespread sharing of scientific research data”*

datashare.ucsf.edu



- ◆ *UCSF Clinical and Translational Science Institute*
ctsi.ucsf.edu



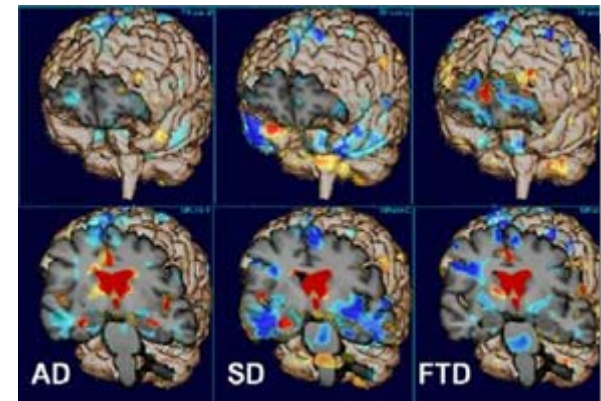
- ◆ *UCSF Library*
www.library.ucsf.edu



- ◆ *UCSF Center for Imaging of Neurodegenerative Disease*
www.radiology.ucsf.edu/cind

- **Architecture**

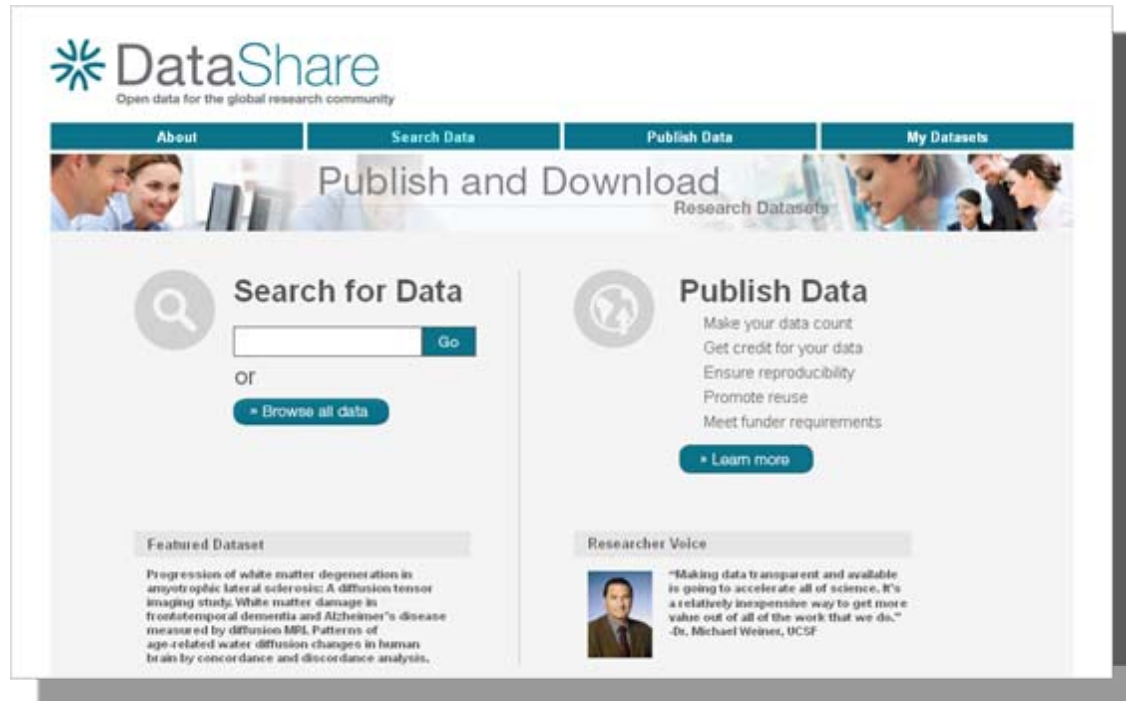
- ◆ *DataShare submission client* (Ruby/Rails)
- ◆ *Merritt curation repository*
- ◆ *DataShare discovery portal* (XTF/Java)





DataShare

- Prepare
- Describe
- Upload
- Curate
- Discover
- Share



The screenshot shows the DataShare website interface. At the top, the DataShare logo is displayed with the tagline "Open data for the global research community". Below the logo is a navigation bar with four tabs: "About", "Search Data", "Publish Data", and "My Datasets". The main content area features a large banner with the text "Publish and Download Research Datasets" and a background image of people working at computers. Below the banner, there are two main sections: "Search for Data" and "Publish Data". The "Search for Data" section includes a search input field with a "Go" button and a "Browse all data" button. The "Publish Data" section lists benefits such as "Make your data count", "Get credit for your data", "Ensure reproducibility", "Promote reuse", and "Meet funder requirements", with a "Learn more" button. At the bottom, there are two sections: "Featured Dataset" and "Researcher Voice". The "Featured Dataset" section describes a study on white matter degeneration in amyotrophic lateral sclerosis. The "Researcher Voice" section features a quote from Dr. Michael Weiner, UCSF, about the importance of making data transparent and available.



DataShare

- Prepare
 - ◆ *Best practice advice*
- Describe
- Upload
- Curate
- Discover
- Share

The screenshot shows the DataShare website interface. At the top, there is a navigation bar with four tabs: 'About', 'Search Data', 'Publish Data', and 'My Datasets'. Below the navigation bar, the main heading is 'Steps to Publish Your Data'. The content is organized into a list of four steps, each with a sub-heading and a brief description:

- 1. Prepare**
Gather your data and information before starting. [\[Read More\]](#)
- 2. Describe Data**
Create your metadata. [\[Read More\]](#)
- 3. Upload data**
Add your data and metadata to DataShare.
- 4. Get confirmation**
Receive your data citation.

Below the list of steps is a prominent blue button labeled 'Begin'. To the right of the steps, there is a section titled 'Why Share?' which lists several benefits of data sharing:

- Facilitates quality science
- Increases the visibility of underlying research (**69% increase in citations for articles associated with shared datasets**)
- Allows credit for all research outputs, including unpublished work
- Enables validation and reproducibility (**"An article ... in a scientific publication is not the scholarship itself, it is merely advertising of the scholarship." - D. Donoho**)
- Enhances global collaborative opportunities
- Data re-use maximizes efficiency of available resources



DataShare

- Prepare
- Describe
 - ◆ *Schema-directed metadata editor*
 - ◆ *DataCite schema schema.datacite.org*
- Upload
- Curate
- Discover
- Share

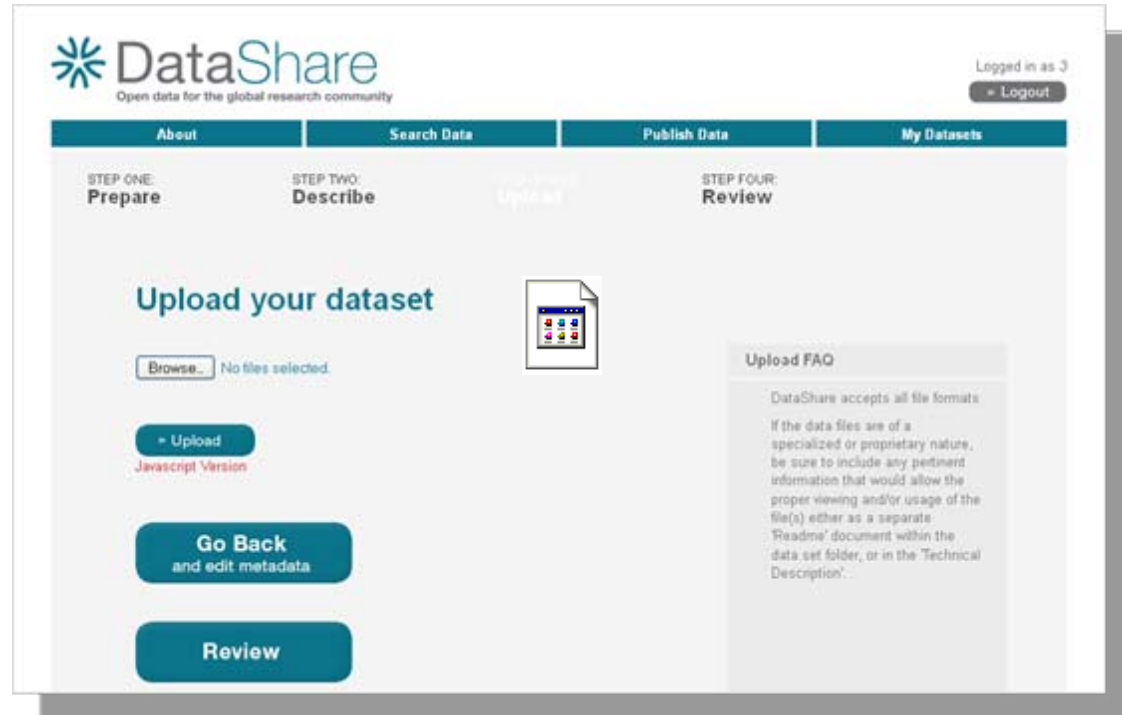
The screenshot shows the DataShare web interface. At the top, there is a navigation bar with 'About', 'Search Data', 'Publish Data', and 'My Datasets'. Below this is a progress indicator with four steps: 'STEP ONE: Prepare', 'STEP TWO: Describe', 'STEP THREE: Upload', and 'STEP FOUR: Review'. The 'Describe your dataset' form is the main focus, containing the following fields and options:

- Local ID: pczqubkq
- Title: Frontotemporal Lobar Degeneration (FTLD)
- Publisher: UCSF (dropdown menu)
- Publication Year: 2012
- Resource Type: image
- Rights: CC0
- Buttons: '+ Save Record' and '+ Add Creator'
- Creator: Weiner, Michael (with a 'delete' link)



DataShare

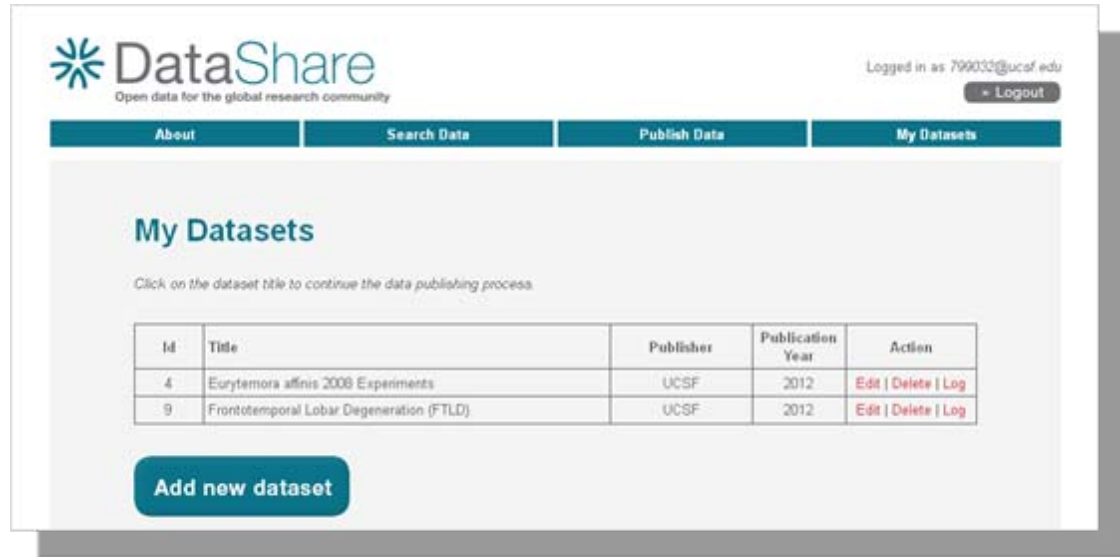
- Prepare
- Describe
- Upload
 - ◆ *File browse or drag-n-drop*
- Curate
- Discover
- Share





DataShare

- Prepare
- Describe
- Upload
- Curate
 - ◆ *Manage datasets*
- Discover
- Share



The screenshot shows the DataShare interface. At the top left is the DataShare logo with the tagline 'Open data for the global research community'. On the top right, it says 'Logged in as 799032@ucsf.edu' with a 'Logout' button. Below this is a navigation bar with four tabs: 'About', 'Search Data', 'Publish Data', and 'My Datasets'. The 'My Datasets' tab is active. The main content area is titled 'My Datasets' and includes a sub-header 'Click on the dataset title to continue the data publishing process'. Below this is a table with two rows of dataset information. At the bottom of the table area is a large blue button labeled 'Add new dataset'.

ID	Title	Publisher	Publication Year	Action
4	Eurytemora affinis 2008 Experiments	UCSF	2012	Edit Delete Log
9	Frontotemporal Lobar Degeneration (FTLD)	UCSF	2012	Edit Delete Log



DataShare

- Prepare
- Describe
- Upload
- Curate
- Discover
 - ◆ *Faceted search and browse*
- Share

The screenshot shows the DataShare website interface. At the top, there is a navigation bar with four tabs: "About", "Search Data", "Publish Data", and "My Datasets". Below the navigation bar, the main heading is "Select a Dataset...". On the left side, there is a faceted search menu with categories like "Contributor" and "Author", each with a list of items and their counts. On the right side, there is a search results area with a "Sorted by:" dropdown menu set to "relevance" and a "Go!" button. Below the search bar, there are three dataset entries, each with a title, author information, and a "Show abstract" link.

Contributor

- UCSF (12)
- Itis Reproductive Health (1)
- South African Medical Research Council HIV Prevention Research Unit (1)
- UCSF Bioby Center for Global Reproductive Health (1)
- UZ-UCSF Collaborative Programme on Women's Health (1)

Author

- Schuff, Norbert (7)
- Weiner, Michael W. (7)
- Weiner, Michael (5)
- Cardenas, Valerie (3)
- Zhang, Yu (1)

Sorted by: relevance Go!

Associations between vascular risk factors, carotid atherosclerosis and cortical volume and thickness in older adults

by Cardenas, Valerie | Reed, Bruce | Chao, Linda | Chui, Helena | Sanossian, Nerses | DeCarli, Charles | Mack, Wendy | Kramer, Joel | Hodis, Howard | Yan, Mingzhu | Buonscore, Michael | Carmichael, Owen | Jagust, William J. | Weiner, Michael W. at UCSF-CIND, University of California, San Francisco
uploaded 2012.
Show abstract

CSF Biomarker and PIB-PET Derived Beta-Amyloid Signature Predicts Metabolic, Grey Matter and Cognitive Changes in Non-Demented Subjects.

by Ewers, Michael | Insel, Philip | Jagust, William J. | Shaw, Leslie | Trojanowski, John O. | Aisen, Paul | Petersen, Ronald C. | Schuff, Norbert | Weiner, Michael W. at UCSF-CIND, University of California, San Francisco
uploaded 2012.
Show abstract

Frontotemporal Lobar Degeneration (FTLD)

by Weiner, Michael at UCSF-CIND, UCSF
Show abstract

Gulf War illness



DataShare

- Prepare
 - Describe
 - Upload
 - Curate
 - Discover
 - Share
- ◆ *DataONE*
 - ◆ *DataCite*
 - ◆ (soon) *Primo*
 - Web of Knowledge*
 - ◆ *SEO*



DataShare
Open data for the global research community

About | Search Data | Publish Data | My Datasets

Frontotemporal Lobar Degeneration (FTLD)

Title Frontotemporal Lobar Degeneration (FTLD) [Download 4.0 Gb Dataset](#)

By [Weiner, Michael](#)

At [UCSF-CINDUCSF](#) [Cite this dataset](#)

Papers [Show publications associated with data](#)

Description This data set was acquired with the aim of determining the structural and chemical changes that occur in the brain as a result of frontotemporal lobar degeneration (FTLD). The data includes proton density, T1, and T2-weighted neuroimages from subjects suffering from FTLD and Alzheimer's Disease, as well as a population of matched controls.

Methods [Show Methods](#)

Keywords [Adult](#)[Human](#)[Magnetic Resonance Imaging](#)[Cognition](#)[Neuropsychological Test](#)[Aged](#)[Middle Aged](#)[Atrophy](#)[Pathology](#)[Psychopathology](#)[Brain](#)[Dementia](#)[Mental Disorders](#)[Frontotemporal Dementia](#)[Alzheimer's Disease](#)

Identifier doi:10.7272/q62z136

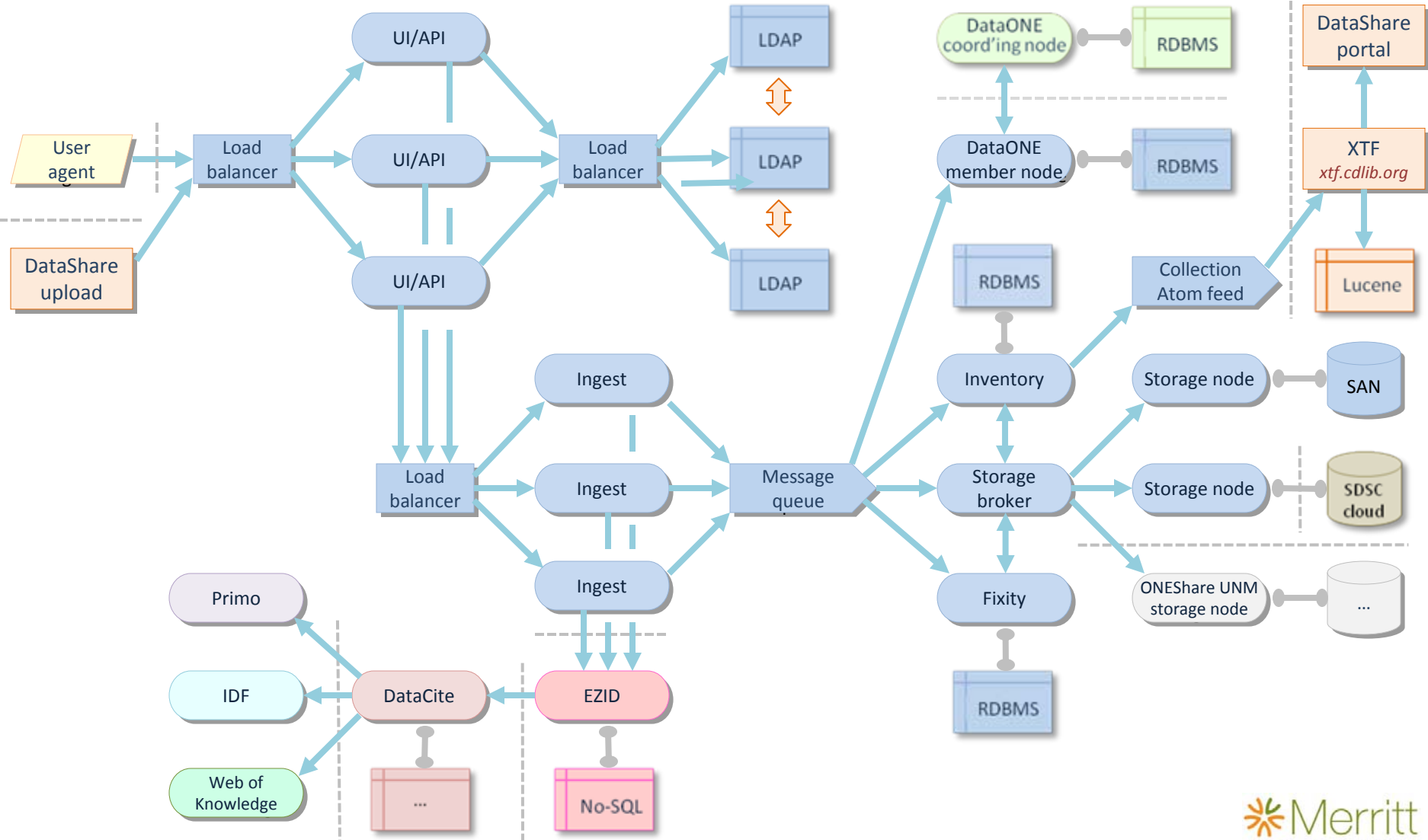
Terms of Use | FAQ | Contact Us

DataShare was made possible through a partnership between the California Digital Library, UCSF Clinical & Translational Science Institute, and UCSF Library © 2013 The Regents of the University of California



Merritt + DataShare





Research Hub

- *“Research Hub provides powerful tools for content management and collaboration”*

hub.berkeley.edu



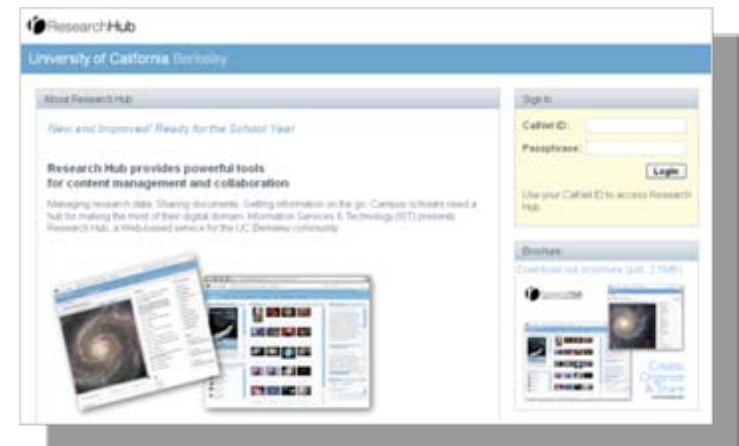
- ◆ *Alfresco CMS*

www.alfresco.com



- ◆ *770 projects, 3,900 users*

- ▶ Personal file management
- ▶ Project collaboration
- ▶ Departmental resource pooling
- ▶ Research data management



- ◆ *Desktop sync, mobile app, Adobe Creative Suite*

- ◆ *UC Berkeley Information Services and Technology*

ist.berkeley.edu



Research Hub

- Prepare
 - ◆ *Acquire and arrange*
- Describe
- Upload
- Curate
- Discover
- Share

The screenshot displays the ResearchHub interface for a 'Demonstration Site'. At the top, there is a navigation bar with 'ResearchHub' and links for 'My Dashboard', 'User Home', 'Sites', 'People', and 'More...'. A search bar is located on the right. Below the navigation bar, there are tabs for 'Site Dashboard', 'Wiki', 'Blog', 'Document Library', 'Calendar', 'Links', 'Discussions', 'Data Lists', and 'Members'. The main content area is divided into several sections:

- 20th Century Artists:** A featured image of a woman's portrait.
- Main Gallery:** A grid of various artworks, including a woman in a blue dress, a woman in a leopard print, and a woman in a white dress.
- Site Members:** A list of members, including Patrick McGrath (Collaborator) and Patrick Schmitz (Consumer).
- Recently Modified Documents:** A list of documents, including '.DS_Store' modified 3 days ago by Noah Wiltman.
- Site Calendar:** A section indicating 'No upcoming events'.
- Site Links:** A list of external links, including 'BIBLIOTECA NACIONAL DE ESPAÑA', 'Brooklyn Museum', 'Dorothea Lange', 'Gertie Birry - Google Images', 'Georgia O'Keefe', and 'Ghada Amer - Google Images'.
- Site Activities:** A section showing recent activities, including 'Rick Jaffe updated link' and 'Tamara de Lempicka about a day ago'.

At the bottom of the page, there is a footer with the text 'Research Hub | University of California, Berkeley | Terms of Service | Privacy'.



Research Hub

- Prepare
- Describe
 - ◆ *Schema-directed metadata editors*
- Upload
- Curate
- Discover
- Share

The screenshot shows the ResearchHub interface for a document titled "Perseus_text_1999.01.0125.xml". The interface includes a navigation bar with "My Dashboard", "Repository", "User Home", "Sites", "People", and "More...". Below this is a search bar and a "Bamboo Demo Site" header. The main content area is divided into three sections: a document viewer on the left showing XML code, a "Metadata" section in the center-right (highlighted with a red box), and "Document Actions" on the far right. The "Metadata" section lists various fields such as Name, Title, Description, Mimetype, Author, Size, Creator, Created Date, Modified Date, Publisher, Contributor, Type, Identifier, Source, Coverage, Rights, and Subject. The "Document Actions" section includes options like Download, View In Browser, Edit Metadata, Upload New Version, Inline Edit, Edit Offline, Copy to..., Move to..., Delete Document, Start Workflow, Manage Permissions, Manage Aspects, Change Type, and Send to Merit. The "Share" section at the bottom provides a "Download File URL" and a "Document URL", both pointing to "https://bamboo-dev.berkeley.edu".



Research Hub

- Prepare
- Describe
- Upload
 - ◆ *Direct action*
- Curate
- Discover
- Share

The screenshot shows the ResearchHub interface for a document titled "Perseus_text_1999.01.0125.xml". The interface is divided into several sections:

- Navigation Bar:** Includes "ResearchHub", "My Dashboard", "Repository", "User Home", "Sites", "People", and "More...". A search bar is also present.
- Site Dashboard:** Shows "Bamboo Demo Site" with sub-sections like "Site Dashboard", "Wiki", "Blog", "Document Library", "Calendar", "Links", "Discussions", "Data Lists", and "Members".
- Document Viewer:** Displays the XML content of the document. The content includes metadata and a notice: "You used Perseus, as follows, whenever you use the document...".
- Metadata:** Lists document details such as Name, Title, Description, Mimetype, Author, Size, Creator, Created Date, Modified Date, Publisher, Contributor, Type, Identifier, Source, Coverage, Rights, and Subject.
- Document Actions:** A list of actions including Download, View in Browser, Edit Metadata, Upload New Version, Inline Edit, Edit Offline, Copy to..., Move to..., Delete Document, Start Workflow, Manage Permissions, and Manage Aspects. The "Change Type" and "Send to Merrit" actions are highlighted with a red box.
- Share:** Provides Download File URL and Document URL, both pointing to "https://bamboo-dev.berkeley.e".



Research Hub

- Prepare
- Describe
- Upload
 - ◆ *Policy-based workflow rules*
- Curate
- Discover
- Share

ResearchHub My Dashboard User Home Sites People More... Noah Witman Help

Big Project Site [Invite] [More]

Site Dashboard Research Data Wiki Discussions Blog Calendar Members

New Rule

Required fields

General

Name: *
DataShare Project Workflow

Description:

Define Rule

When:

Items are created or enter this folder

If all criteria are met:

Author: [dropdown] Contains: [dropdown] Einstein

Has tag: [dropdown] Bubble [Select]

Has aspect: [dropdown] DataCite

Mimetype in cm:content: [dropdown] is [dropdown] Microsoft Word

Unless all criteria are met:

Perform Action:

Add simple workflow: [dropdown] Approve... [button] Reject... [button]

Transform and copy content: [dropdown]

Mimetype: [dropdown] Adobe PDF Document to [dropdown] Documents in [dropdown] Image Upload Test1 [Select...]

Increment Counter: [dropdown]

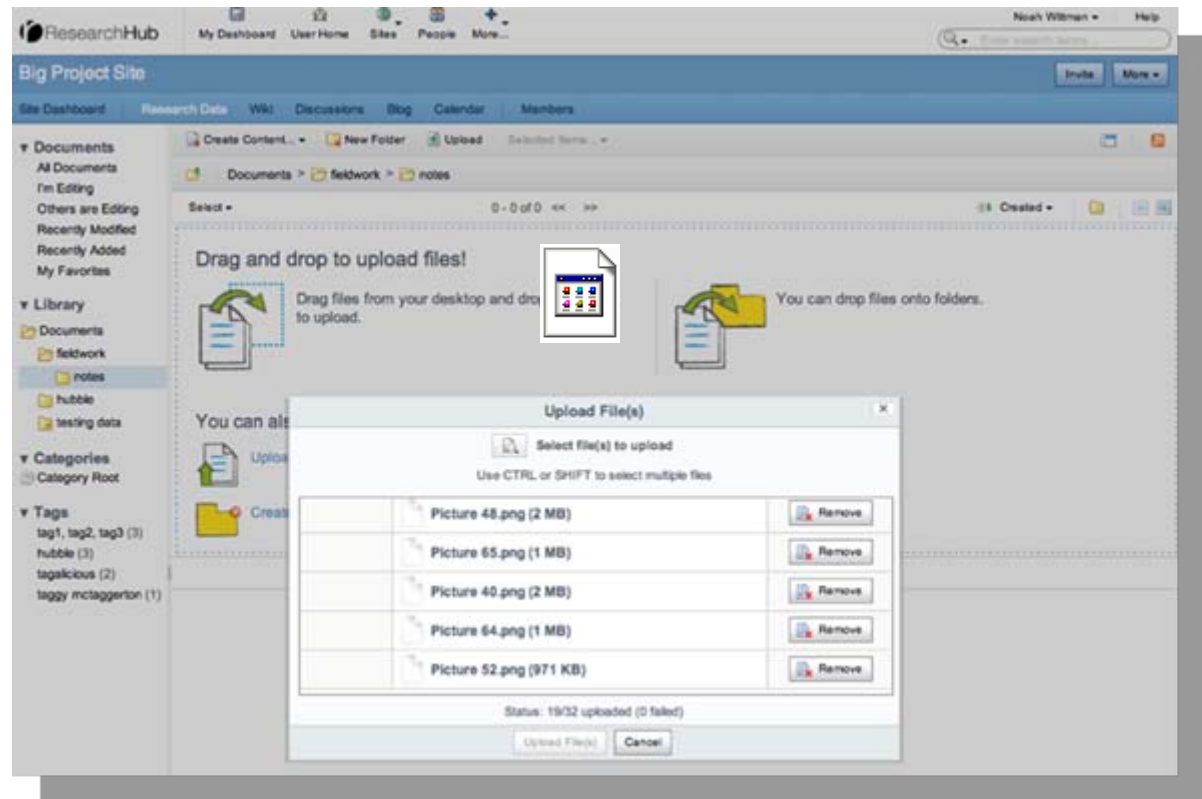
Send to CDL Merritt: [dropdown]

Send email: [dropdown] Message... [button]



Research Hub

- Prepare
- Describe
- Upload
 - ◆ *Drag-and-drop*
- Curate
- Discover
- Share





Research Hub

- Prepare
- Describe
- Upload
- Curate
 - ◆ *Manage datasets*
- Discover
- Share

The screenshot shows the ResearchHub interface for a 'Demonstration Site Site'. The top navigation bar includes 'My Dashboard', 'User Home', 'Sites', 'People', and 'More...'. A search bar is located in the top right corner. Below the navigation bar, there are tabs for 'Site Dashboard', 'Wiki', 'Blog', 'Document Library', 'Calendar', 'Links', 'Discussions', 'Data Lists', and 'Members'. The 'Document Library' tab is active, showing a list of documents. The left sidebar contains a 'Documents' section with options like 'All Documents', 'I'm Editing', 'Others are Editing', 'Recently Modified', 'Recently Added', and 'My Favorites'. Below this is a 'Library' section with a tree view of folders such as '20th century women', 'Arab-and-Persian-wr', 'egyptian-grammar', 'For comment', 'HWAIA Chap4', 'islamic-manuscripts', 'test', and 'women-painters'. The main content area displays a list of documents with columns for 'Select', 'Showing Items 1 - 6 of 6', and navigation controls. The documents listed are:

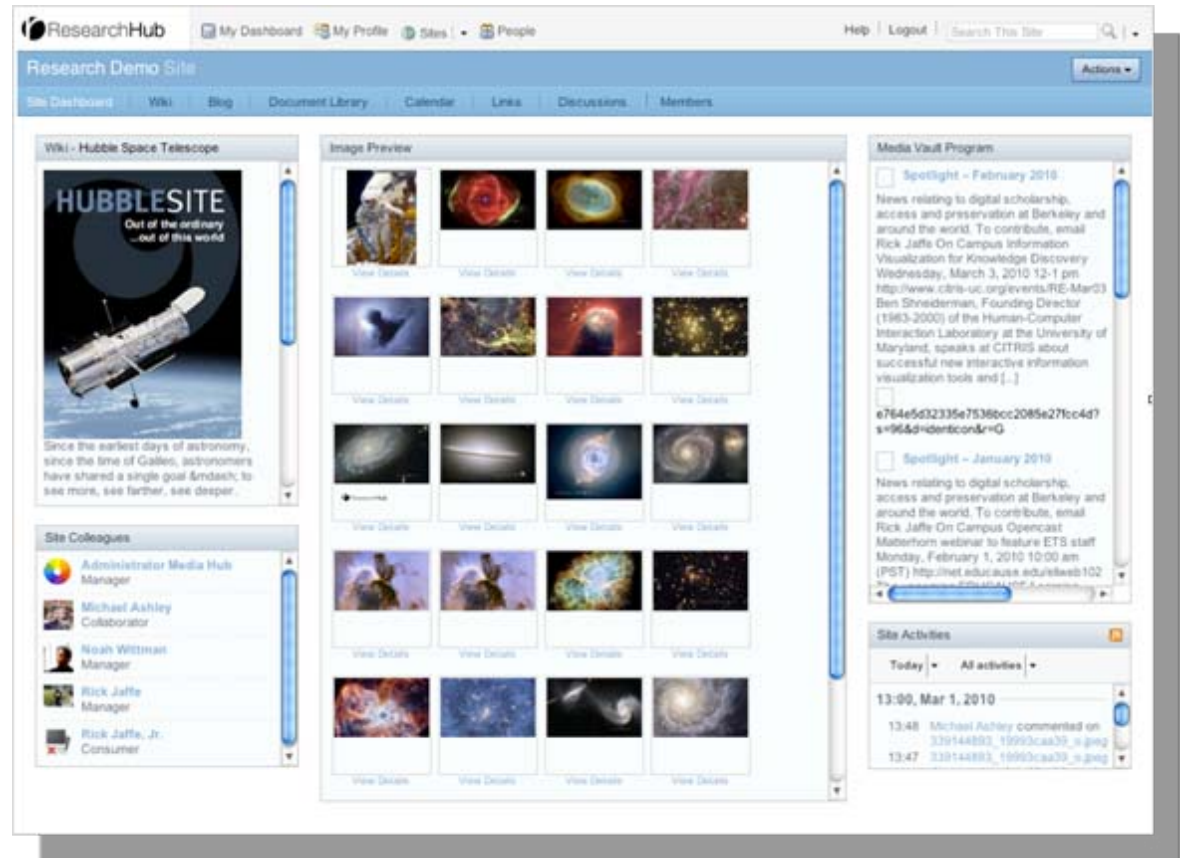
- 2006ItMig_wallchart.xls** (International Migration Data 2006)
Modified on: Tue 30 Nov 2010 15:13:12 | Modified by: Noah Wittman | Version: 1.1
Size: 164 KB
Description: International Migration Data from UN Department of Economic and Social Affairs
Tags: migration, data, unesa
- aPovertyReport_30032010-3.doc** (Millenium Development Goals Report)
Modified on: Fri 19 Nov 2010 15:55:10 | Modified by: Noah Wittman | Version: 1.1
Size: 374 KB
Description: The 20th anniversary of the report offers an opportunity to reappraise its contribution and to make the case for a new human development vision to meet the challenges and opportunities of the twenty-first century.
Tags: united nations
- atext-test.rtf**
Modified on: Mon 22 Nov 2010 14:30:32 | Modified by: Noah Wittman | Version: 1.0
Size: 636 bytes
Description: (None)
Tags: (None)
- Broxup_William-Saint_Peters_path_to_the_joyes-STC-3921-638_01-p2.tif**
Modified on: Tue 25 Jan 2011 15:39:48 | Modified by: Bamboo Demo1 | Version: 1.0
Size: 85 KB
Description: (None)
Tags: eebo
- MDGReport2006.pdf**
Modified on: Wed 31 Aug 2011 10:49:35 | Modified by: Noah Wittman | Version: 1.1
Size: 1 MB
Description: (None)
Tags: (None)

Each document entry includes a thumbnail image, a star icon, and a 'More...' button. The right side of the document list shows options for 'Download', 'View In Browser', 'Edit Metadata', and 'More...'.



Research Hub

- Prepare
- Describe
- Upload
- Curate
 - ◆ *Search / browse*
- Share



The screenshot shows the ResearchHub website interface. At the top, there is a navigation bar with 'ResearchHub' logo, 'My Dashboard', 'My Profile', 'Sites', and 'People' links. Below this is a 'Research Demo Site' header with a search bar and 'Actions' button. The main content area is divided into several sections:

- Wiki - Hubble Space Telescope:** Features a large image of the Hubble Space Telescope with the text 'HUBBLESITE Out of the ordinary...out of this world'. Below the image is a quote: 'Since the earliest days of astronomy, since the time of Galileo, astronomers have shared a single goal &dashash; to see more, see farther, see deeper.'
- Image Preview:** A grid of 16 small images of galaxies and celestial objects, each with a 'View Details' link below it.
- Site Colleagues:** A list of site managers and collaborators, including Administrator Media Hub Manager, Michael Ashley Collaborator, Noah Wittman Manager, Rick Jaffe Manager, and Rick Jaffe, Jr. Consumer.
- Media Vault Program:** A section with two 'Spotlight' entries for February 2010 and January 2010, providing news related to digital scholarship and preservation at Berkeley and around the world.
- Site Activities:** A section showing recent activities, including a comment by Michael Ashley on March 1, 2010.



Research Hub

- Prepare
- Describe
- Upload
- Curate
- Discover
- Share
 - ◆ *Curatorial invitation*

Manage Permissions for Astronaut Works on Hubble [1680x1050]

Groups and Privileges

Contributors have	Contributor privileges ▾
Consumers have	Consumer privileges ▾
Collaborators have	Collaborator privileges ▾
All Other Users have	No privileges ▾

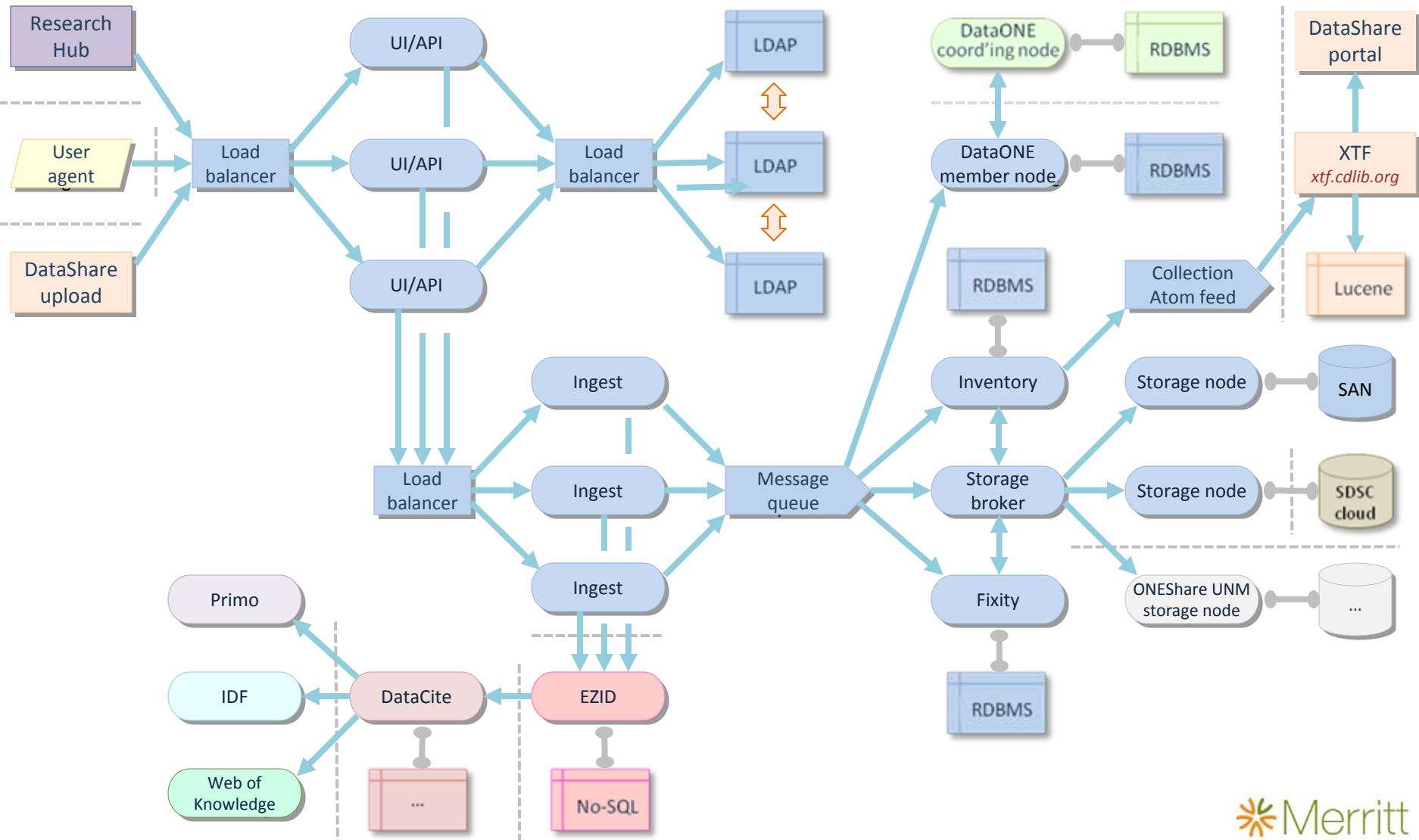
2 Invite Users

Set All Roles to ▾

Patrick McGoo patrickmcgoo@berkeley.edu	Contributor ▾	✕
Susan Star sstar@berkeley.edu	Consumer ▾	✕



Merritt + DataShare + Research Hub





Future integrations

- UCTrust/InCommon federation

Incommon.org



- Open Context archaeological portal

opencontext.org



- Nuxeo

www.nuxeo.com



◆ *UC system-wide DAMS*

- Islandora

islandora.ca



◆ *Fedora → Merritt*

- DPN

www.dpn.org





Sharing research through repositories

- Conform to institutional policy, publication requirements, and funder mandates
- Pro-active curation of valuable research outputs
- Stable citation and access
- High visibility publication and discovery
- Use metrics





Sharing research through repositories

- Conform to institutional policy, publication requirements, and funder mandates
- Pro-active curation of valuable research outputs
- Stable citation and access
- High visibility publication and discovery
- Use metrics
- Repository layering as an appropriate division of labor
 - ◆ *Exploiting existing capabilities already in local use*





For more information

Merritt

www.cdlib.org/uc3/merritt
uc3@ucop.edu

Stephen Abrams	David Loy
Patricia Cruse	Mark Reyes
Shirin Faenza	Joan Starr
Scott Fisher	Carly Strasser
Erik Hetzner	Marisa Strong
Joshua Hubbard	Bhavitava Vedula
Greg Janée	Kenneth Weiss
John Kunze	Perry Willet
Rosalie Lack	

DataShare

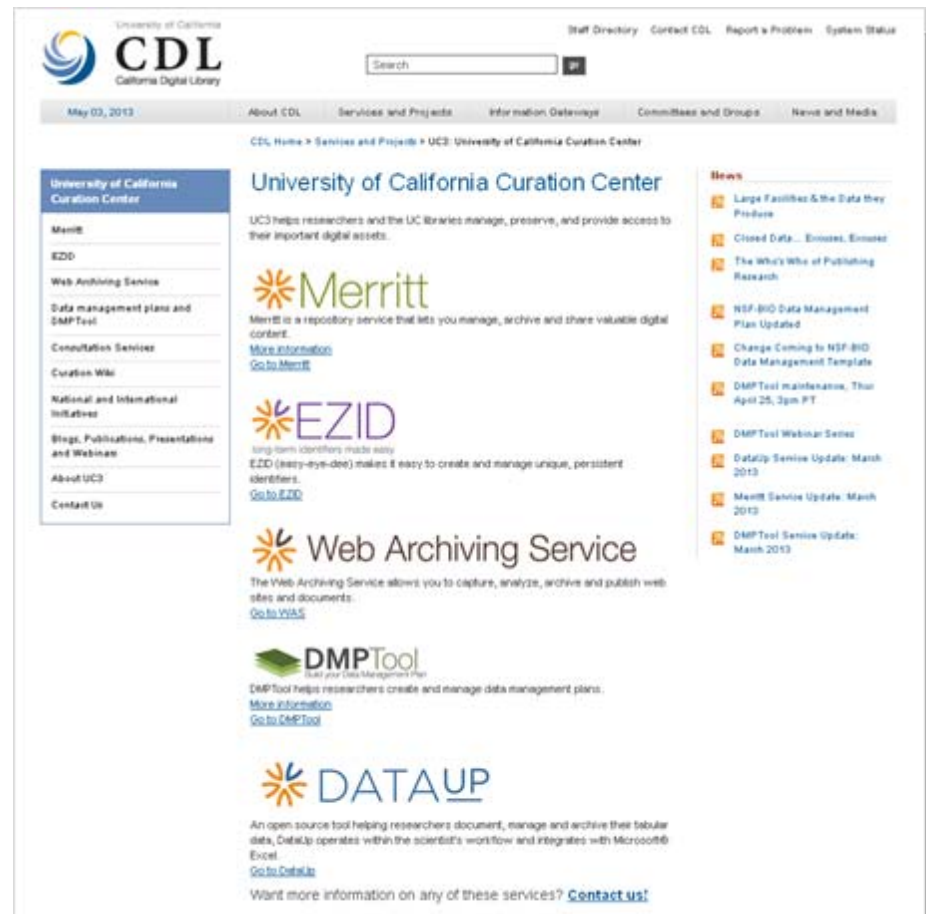
datashare.ucsf.edu

Geoffrey Boushey	Julia Kochi
Anirvan Chatterjee	Angela Rizk-Jackson
Maninder Kahlon	Michael Weiner

Research Hub

hub.berkeley.edu

Ian Crew	Michael McCarthy (Tribloom)
Noah Wittman	Patrick McGrath



The screenshot shows the homepage of the University of California Curation Center. The header includes the CDL logo and navigation links like 'About CDL', 'Services and Projects', and 'Information Gateways'. The main content area features several service tiles: Merritt (a repository service), EZID (long-term identifiers), Web Archiving Service (for capturing and archiving web sites), DMPTool (for creating and managing data management plans), and DATAUP (an open source tool for managing tabular data). A sidebar on the right contains a 'News' section with recent updates. At the bottom, there is a 'Contact us!' link for more information.

