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Introduction to Dataverse

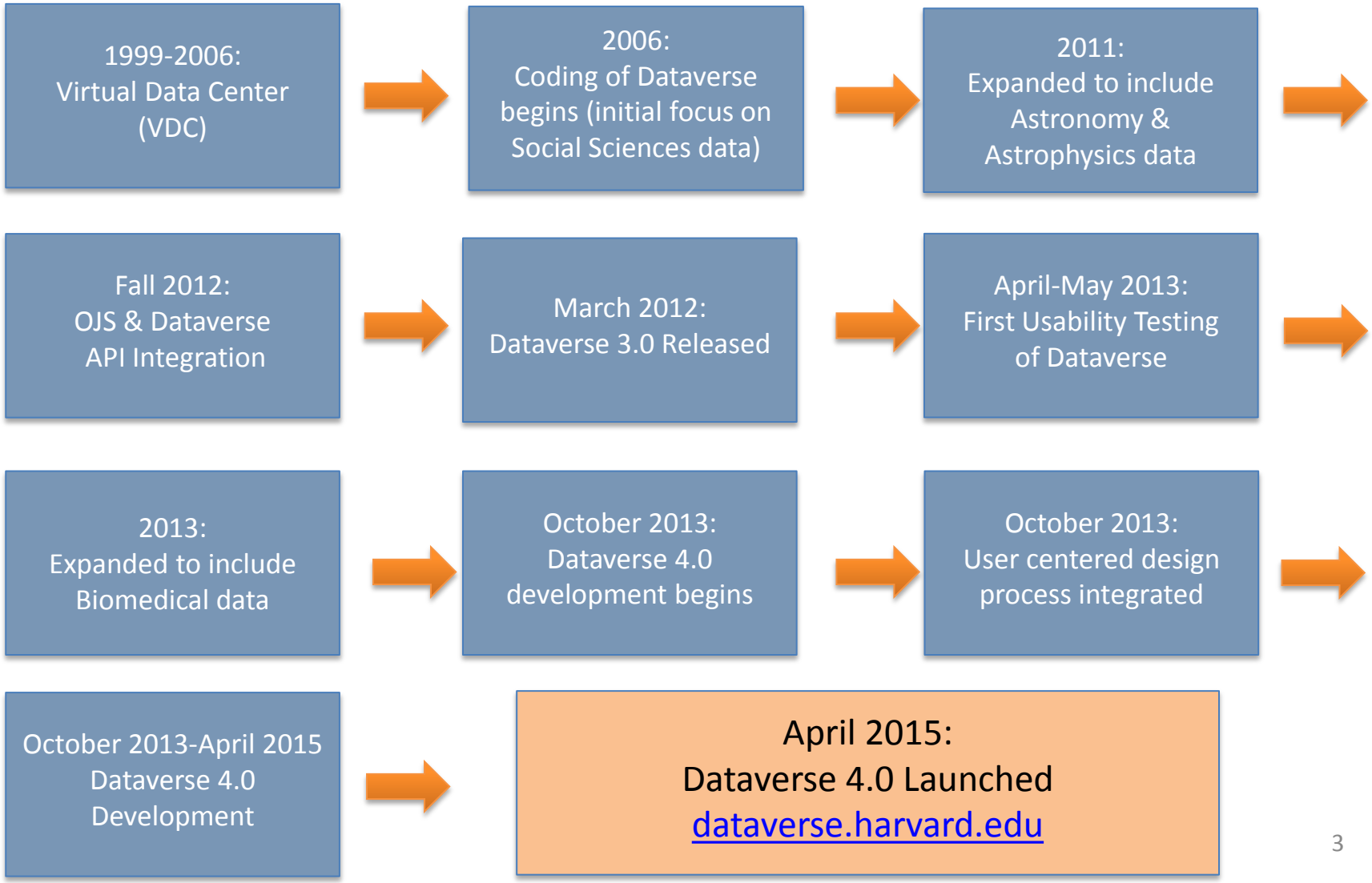
Software framework for publishing, citing and preserving research data (open source on github for others to install)

Developed by the Institute for Quantitative Social Science at Harvard University.

Provides incentives for researchers to share:

- Recognition & credit via data citations
- Control over data & branding
- Fulfill Data Management Plan requirements
- Default CC0 Waiver for all uploaded datasets

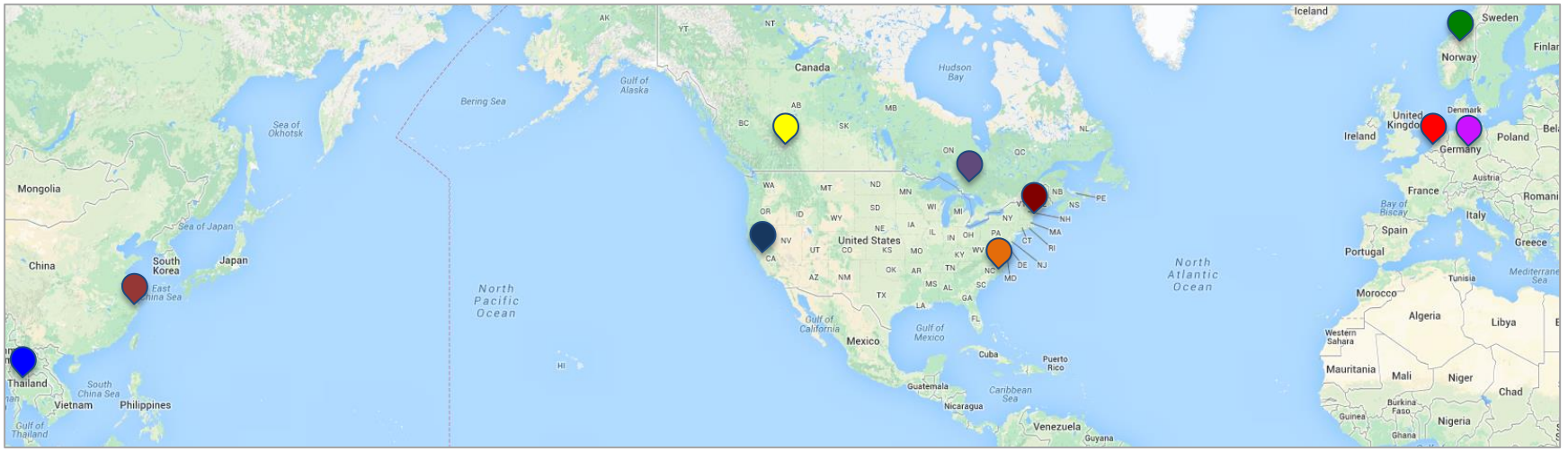
Dataverse Milestones



Who uses Dataverse?

- Researchers
- Librarians
- Data Archivists
- Journals
- Courses
- Institutions and Organizations

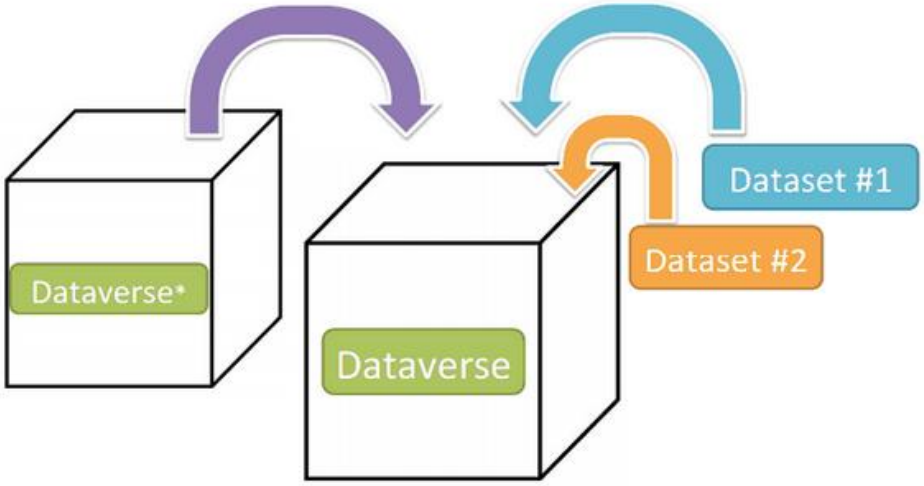
Dataverse Around the World



Institutions can setup/host their own Dataverse repository (UNC ODUM, Fudan Univ, Scholars Portal, DANS, etc) and within them can have dataverses for a variety of users (across all research domains): Researchers, Projects, Journals, etc.

What is a Dataverse or Dataset?

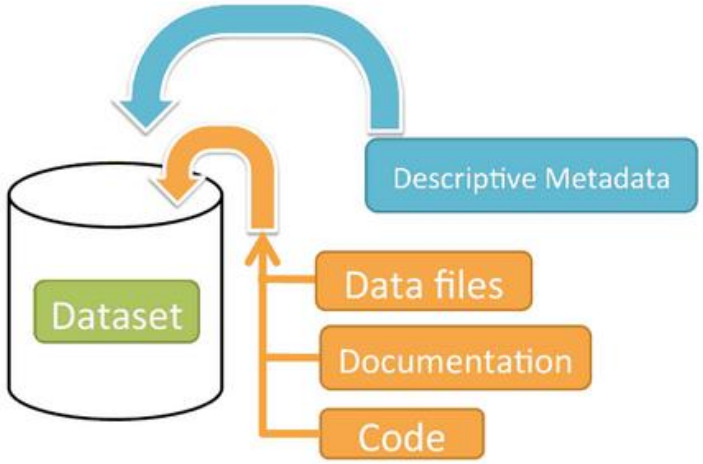
Schematic Diagram of a **Dataverse** in Dataverse 4.0



Container for your **Datasets** and/or **Dataverses***

* Dataverses can now contain other Dataverses (this replaces Collections & Subnetworks)

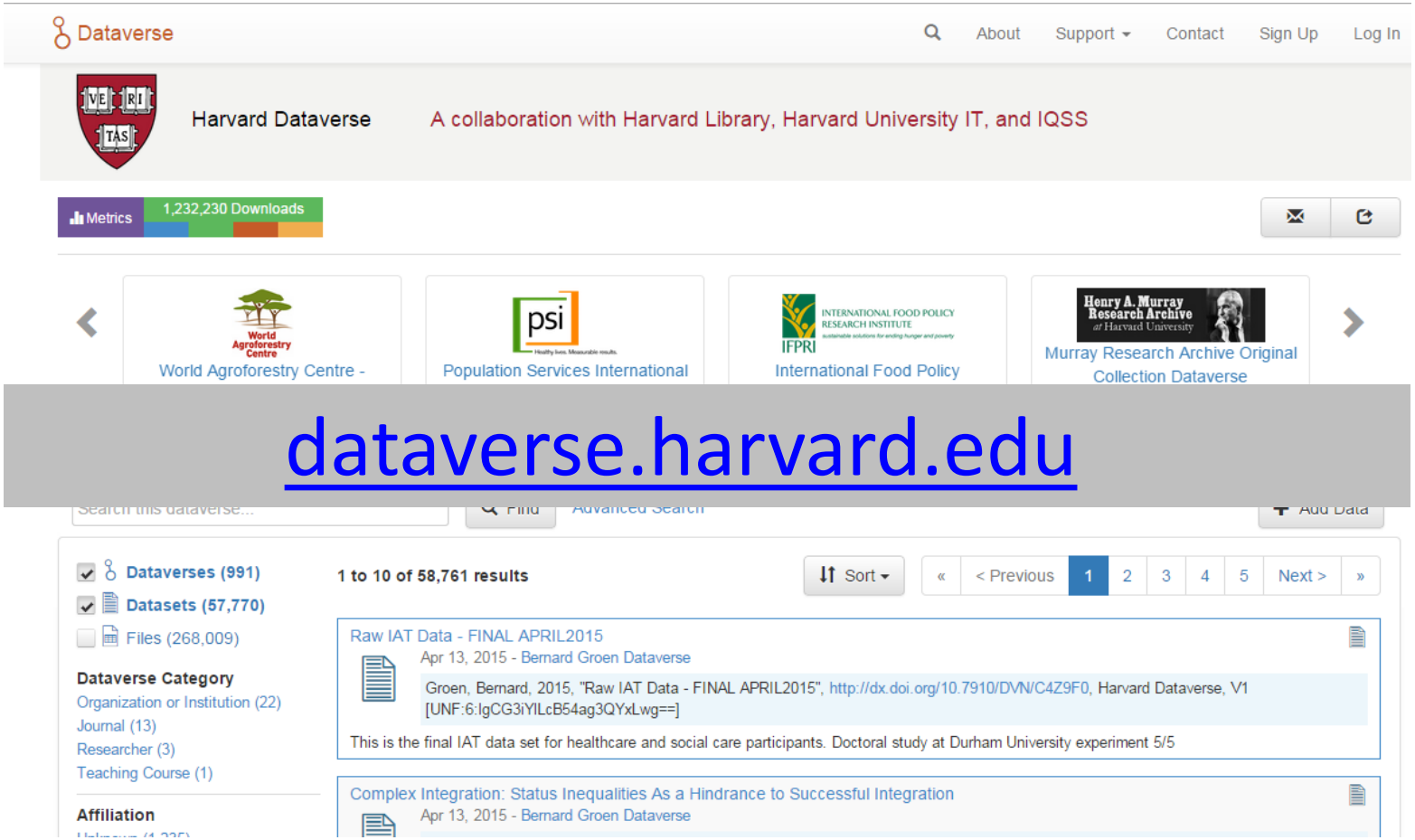
Schematic Diagram of a **Dataset** in Dataverse 4.0



Container for your data, documentation, and code.

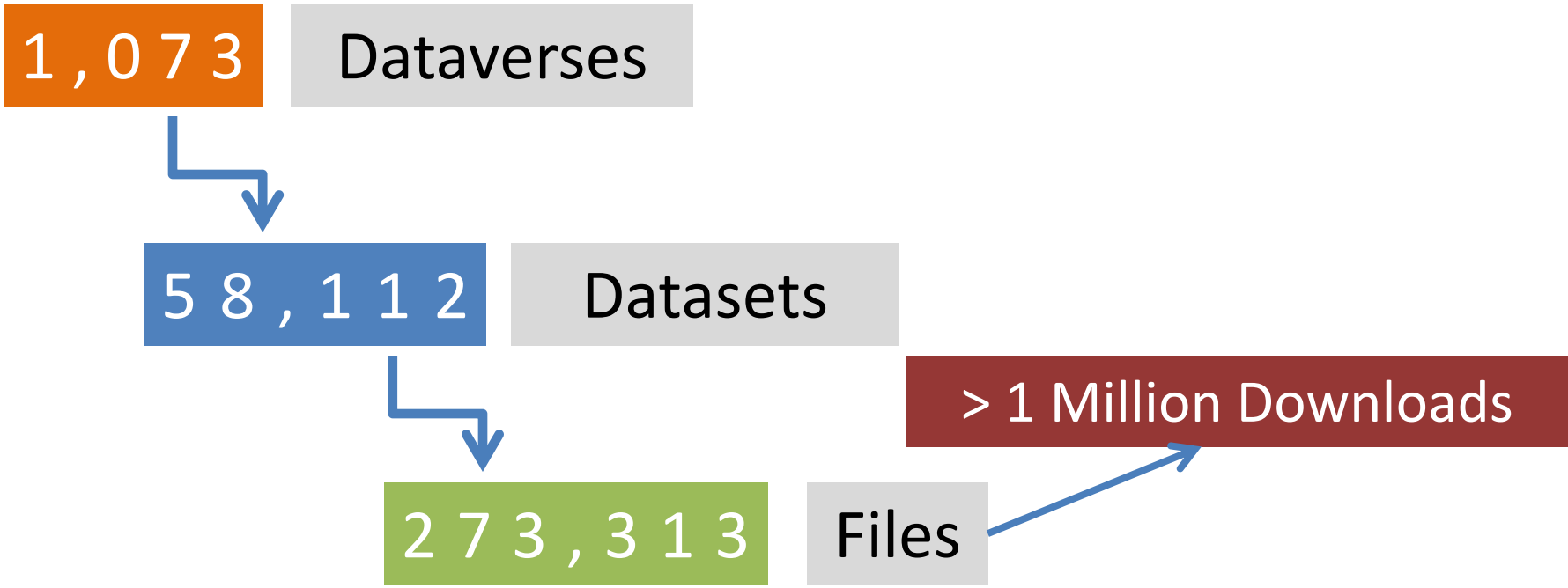
Harvard Dataverse

- Dataverse installation run at Harvard University



Harvard Dataverse

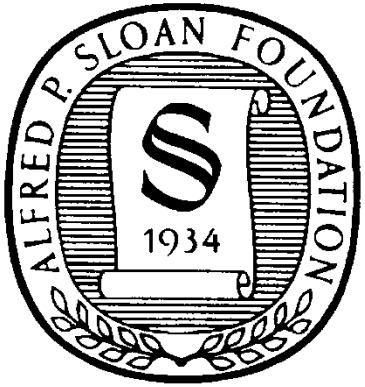
Open to all repository instance at Harvard currently has:



*number from June 2, 2015

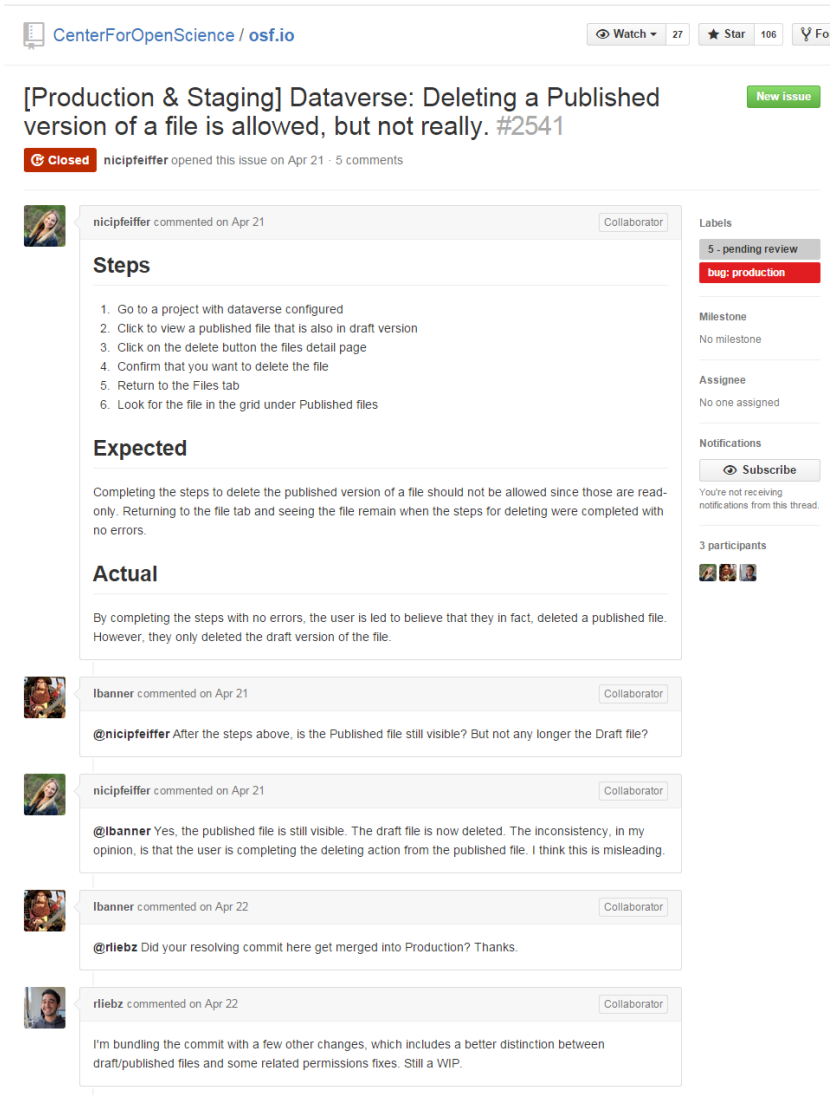
Dataverse + OSF

- OSF Add-on uses Dataverse SWORD API for Data Deposit
  - SWORD API guide
  - projects.iq.harvard.edu/ojs-dvn/home
- June 9th: Common Models and APIs for Data Publishing and Citation in Cambridge, MA



PKP
PUBLIC
KNOWLEDGE
PROJECT

Dataverse + OSF



CenterForOpenScience / osf.io

Watch 27 Star 106 Fo

[Production & Staging] Dataverse: Deleting a Published version of a file is allowed, but not really. #2541

New issue

Closed nicipfeiffer opened this issue on Apr 21 · 5 comments

nicipfeiffer commented on Apr 21 Collaborator

Steps

1. Go to a project with dataverse configured
2. Click to view a published file that is also in draft version
3. Click on the delete button the files detail page
4. Confirm that you want to delete the file
5. Return to the Files tab
6. Look for the file in the grid under Published files

Expected

Completing the steps to delete the published version of a file should not be allowed since those are read-only. Returning to the file tab and seeing the file remain when the steps for deleting were completed with no errors.

Actual

By completing the steps with no errors, the user is led to believe that they in fact, deleted a published file. However, they only deleted the draft version of the file.

Labels
5 - pending review
bug: production

Milestone
No milestone

Assignee
No one assigned

Notifications
Subscribe
You're not receiving notifications from this thread.

3 participants

lbanner commented on Apr 21 Collaborator

@nicipfeiffer After the steps above, is the Published file still visible? But not any longer the Draft file?

nicipfeiffer commented on Apr 21 Collaborator

@lbanner Yes, the published file is still visible. The draft file is now deleted. The inconsistency, in my opinion, is that the user is completing the deleting action from the published file. I think this is misleading.

lbanner commented on Apr 22 Collaborator

@rliebz Did your resolving commit here get merged into Production? Thanks.

rliebz commented on Apr 22 Collaborator

I'm bundling the commit with a few other changes, which includes a better distinction between draft/published files and some related permissions fixes. Still a WIP.

Dataverse + OSF

- Researcher working in OSF decides to use the Dataverse add on
- Work in OSF with ability to publish datasets in Dataverse without having to leave OSF
- Increases data discoverability for a researcher's dataset

DATAVERSE BEST PRACTICES

Dataverse Best Practices (1)

- Standard Metadata Schemas
  - DDI & OAI DC
  - New in 4.0:
    - DataCite 3.1
    - ISA-Tab (biomedical)
    - VO Resource (astronomy)
    - DC Terms
  - Metadata can be exported in JSON & XML

Dataverse Best Practices (2)

- Metadata is always public once a dataset is published

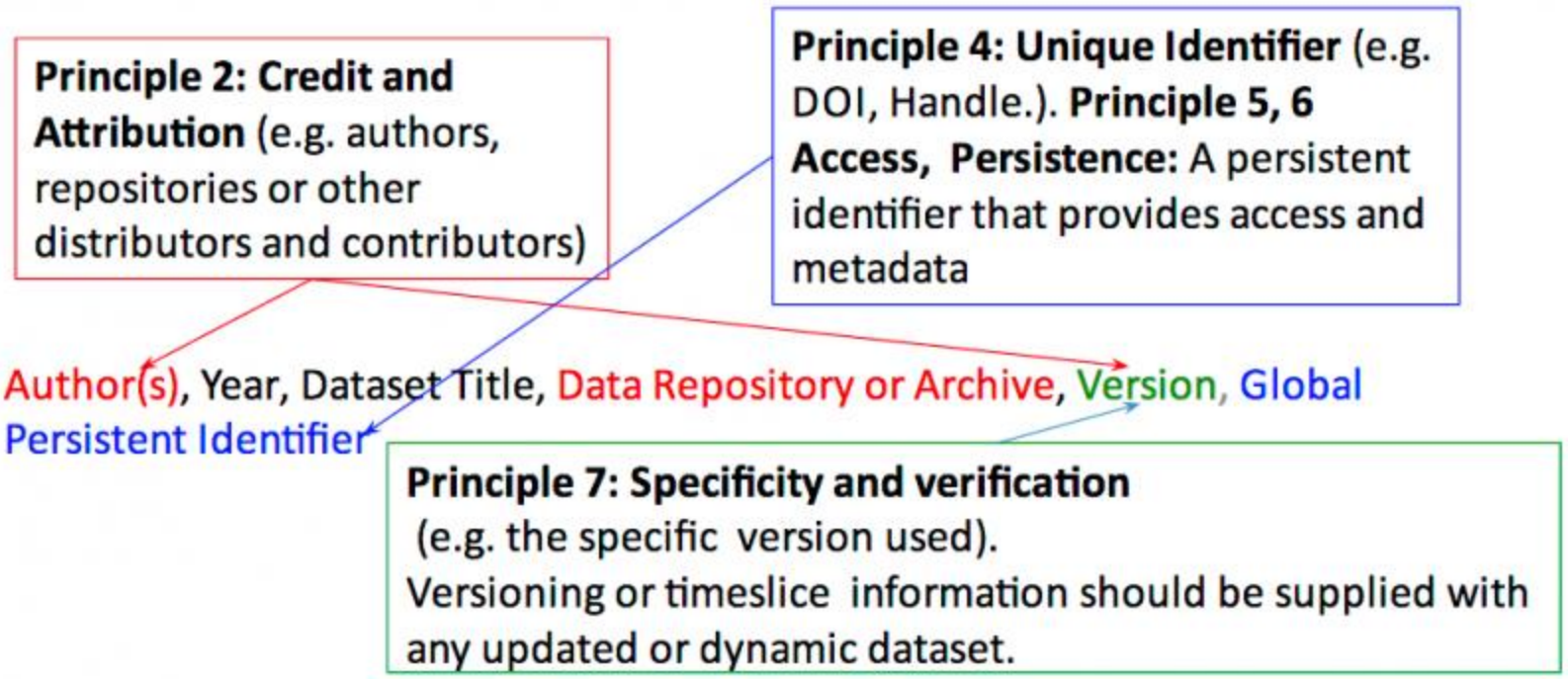
- By default, datasets receive CC0 Waiver 

- Even though default is CCO and we encourage open/public data, when needed, data files in a dataset can be made restricted, or terms of use can be added

Dataverse Best Practices (3)

- Formal Data Citation
  - Originally based off Altman + King 2007
  - Endorse + comply w/ 2014 Joint Declaration of Data Citation Principles (FORCE11)
    - Lead by Merce Crosas, Director of Data Science @ IQSS
  - Versioning and File Fixity
- Persistent IDs: DOI (DataCite/EZID)
  - Resolve to a dataset landing page, not directly to the data files

Data Citation Example



Dataverse Best Practices (4)

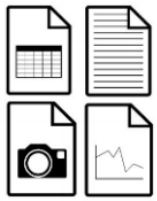
- Preservation format conversion for tabular data (extract column/variable metadata)
- File Fixity:
  - UNF (Altman, 2008) for tabular data
  - MD5 checksums for other files

Dataverse Best Practices (5)

- Data-PASS: (ICPSR, ODUM, NARA, ROPER,…)
  - Member of Data-PASS
- OAI-PMH: Harvesting metadata (DC, DDI)
  - From other Dataverse installations
  - From other OAI-DC compliant repositories
- If necessary: Deaccession a Dataset

PUBLISHING WITH DATAVERSE

Rigorous Data Publishing Workflows



Upload

Draft Dataset

Major + Minor Versioning

Publish Version 1

Published Dataset v1

Authors, Title, Year, DOI, Repository, V1

Publish Version 1.1: small metadata change; citation doesn't change.

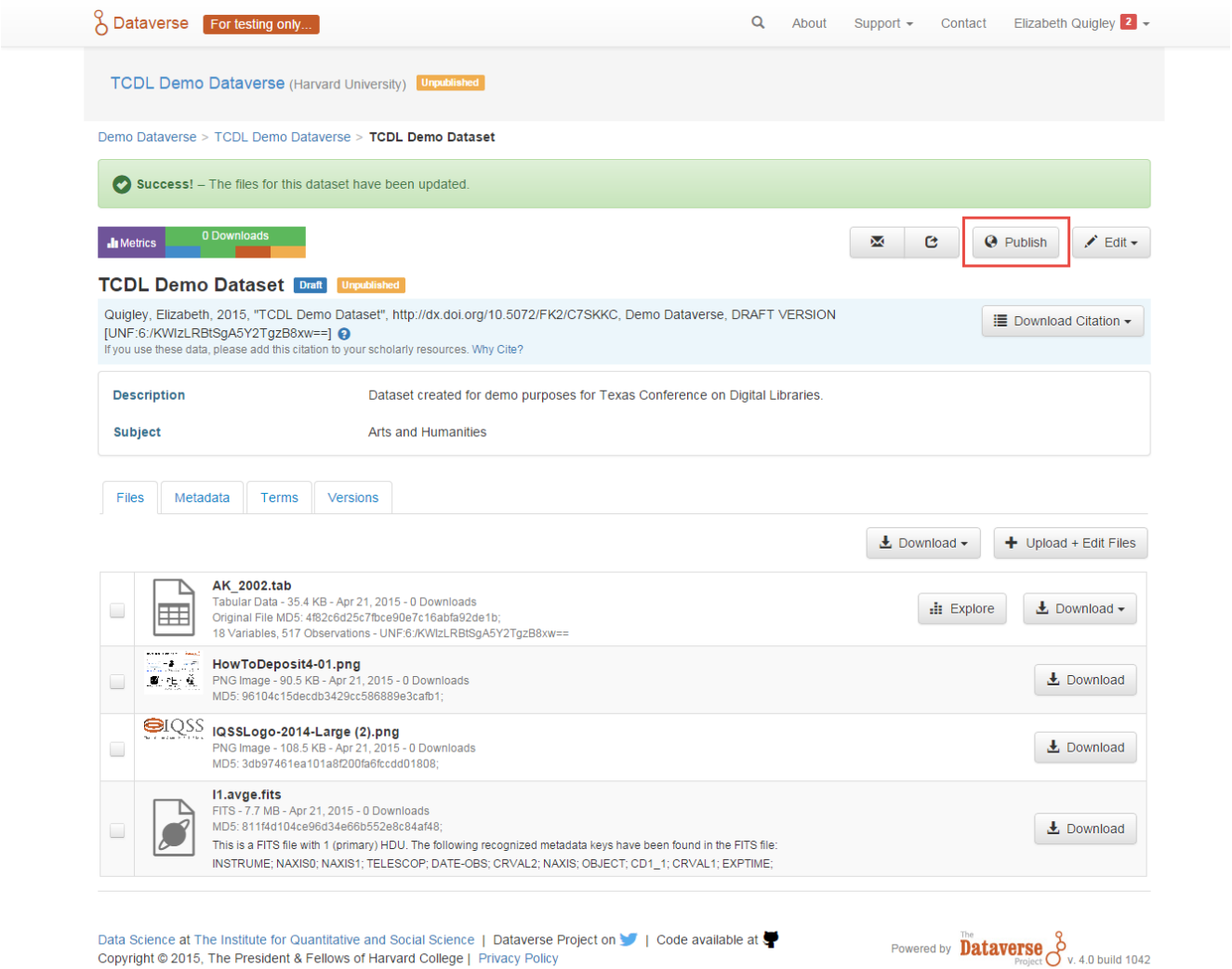
Published Dataset v1.1

Publish Version 2: File change (automatic); big metadata change (e.g., author, title).

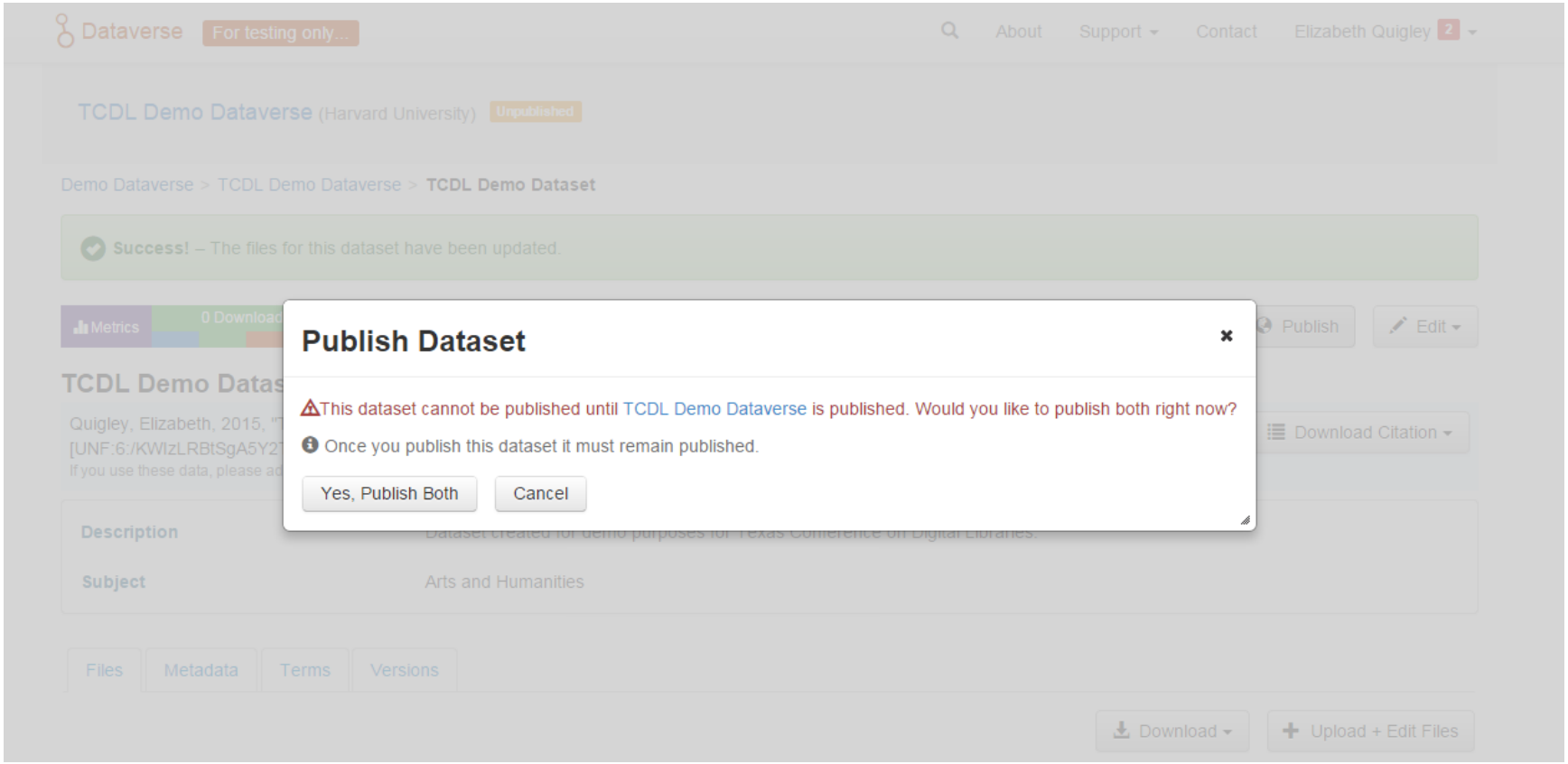
Published Dataset v2

Authors, Title, Year, DOI, Repository, UNF, V2

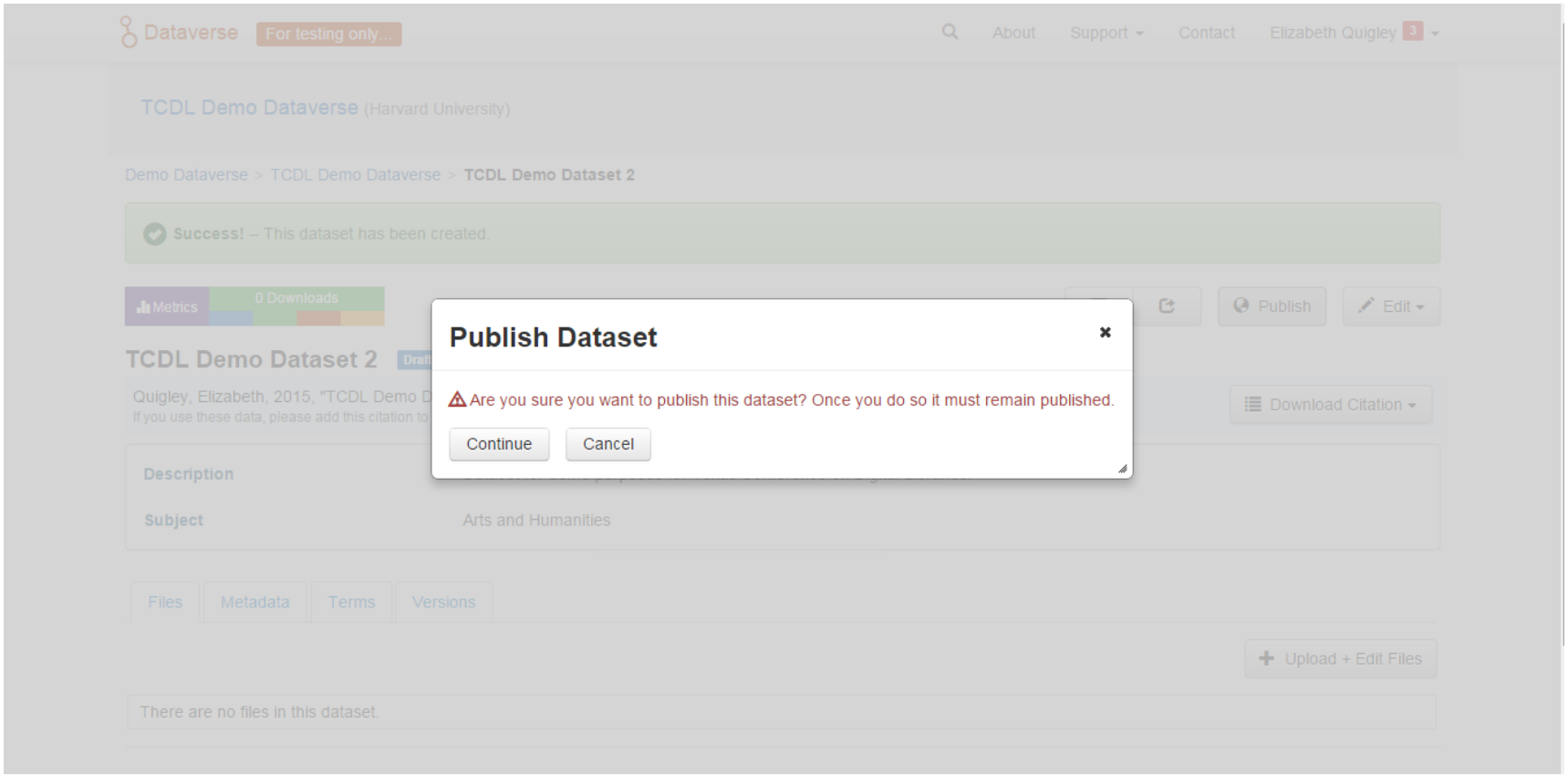
Publishing a Dataset



Publishing Dataverse + Dataset



Publishing a Dataset



Want to learn more?

Friday at 1:15pm in Blegen Hall 155

Dataverse, a repository framework for all

Panel Discussion on how Dataverse is used at different universities and institutions

Thank you!

Contact: equigley@iq.harvard.edu

Learn more: dataverse.org

 @dataverseorg

References

Altman M. A Fingerprint Method for Verification of Scientific Data. In A Fingerprint Method for Verification of Scientific Data. Springer-Verlag; 2008.

Altman M, King G. A Proposed Standard for the Scholarly Citation of Quantitative Data. D-Lib Magazine [Internet]. 2007;13(3/4).