Securely store your supplementary material on Figshare

While making it discoverable and citable

Presented by: Petr Čermák @petrscience



MOTIVATION: WHY to publish data?

90% of the world's total data was created in last 2 years [1]

2.5 quintillion bytes of data every day [1]

Why to publish data

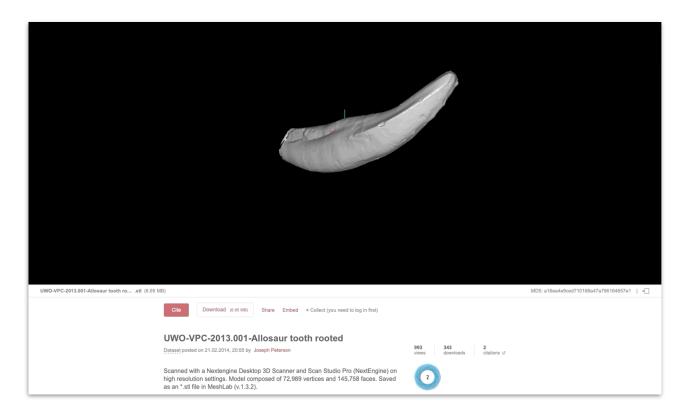
Transparent research Reuse of already measured data (TOF datasets...) Al search and analysis of datasets (in future)

How to publish data

Automatically by Institution (ILL, ISIS) Manually: for example FigShare

[1] https://www.ibm.com/downloads/cas/XKBEABLN

Figshare is a cloud-based platform for securely storing your research data while making it discoverable and citable.



Why Figshare?

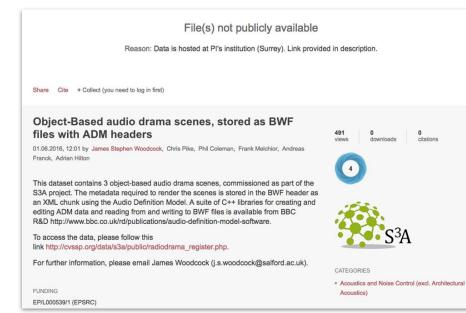
- ✓ Store your outputs in any file format
- Securely collaborate with researchers from other institutions
- ✓ Get a citable DOI for public outputs
- Demonstrate impact with Altmetrics, usage metrics, & citation counts
- Help others discover your outputs on Google Scholar
- ✓ 20 GB private space

Unlimited public space (5GB per file)



As open as possible, as closed as necessary

Your research outputs should be as open as possible, but control over access is important.

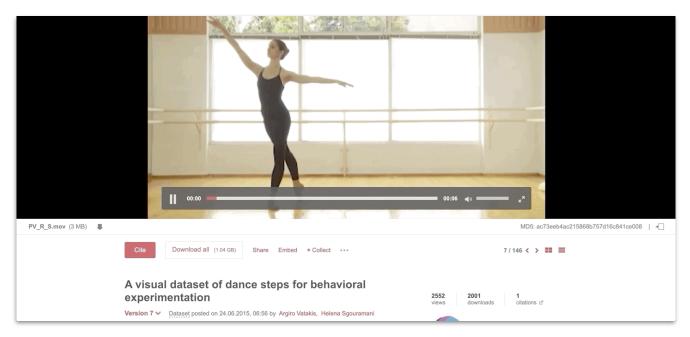


Apply embargo

- Make file(s) confidential
- Generate private link
- **DOI** Reserve Digital Object Identifier

What can you upload to Figshare?

We accept any file format and aim to preview files in the browser.



Vatakis, Argiro; Sgouramani, Helena (2015): A visual dataset of dance steps for behavioral experimentation. figshare. Dataset. <u>https://doi.org/10.6084/m9.figshare.1453169.v7</u>

Audio



Code

3D files







Papers/docs





Posters/Talks



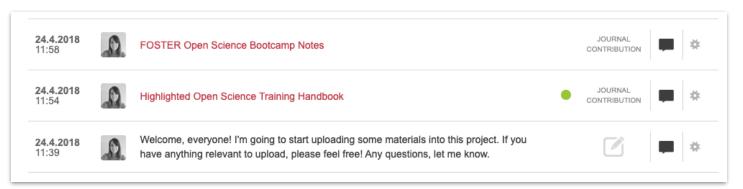
Shulika, Viacheslav (2012): House in Olshany. figshare. Figure. https://doi.org/10.6084/m9.figshare.105655.v1

Projects

 \rightarrow Upload items to the project

→ Add collaborators or viewers. Invite institutional colleagues, figshare.com users, or invite people with no Figshare account to join your project

 \rightarrow Keep it private or make it public



Collections

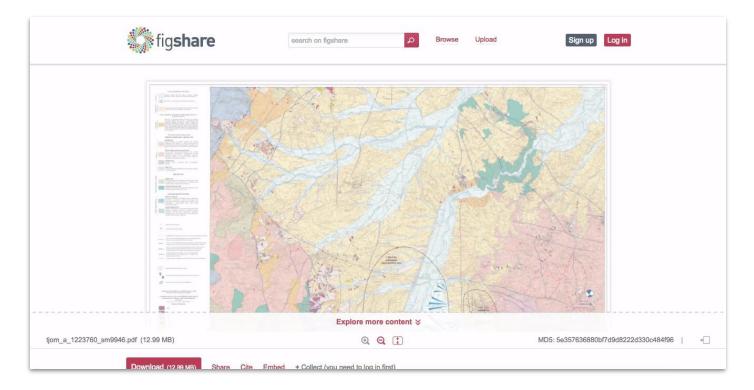
- ✓Pull from your data or public data
- ✓Use to showcase your data
- ✓Get a citable DOI for the collection
- ✓Supports versions
- Tracks Altmetrics, usage metrics, and citations



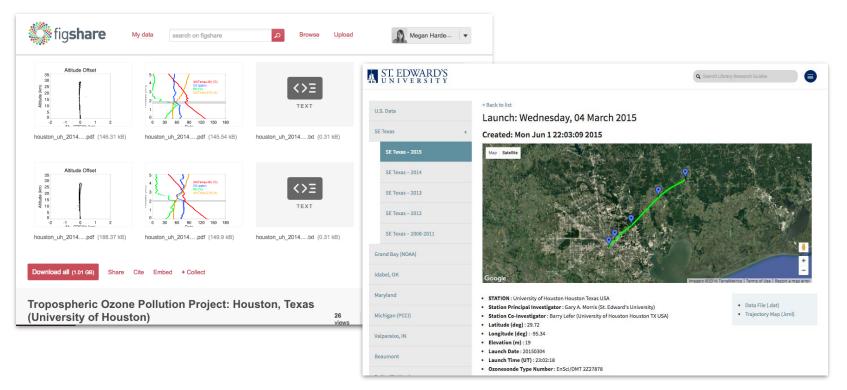
Graziotin, Daniel; Fagerholm, Fabian; Wang, Xiaofeng; Abrahamsson, Pekka (2017): Online appendix: the happiness of software developers. figshare. Collection.

https://doi.org/10.6084/m9.figshare.c.3355707.v9

Altmetric



Figshare API



GitHub integration

66 commits	ំំំ 1 branch	🛇 1 release	2 contributors		
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				CATEG	ORIES

Only data is not enough

- Well written electronic logbook
- Correct metadata
- Reproducible data analysis!

Clicking

Origin/Excel

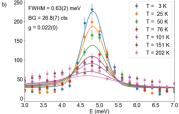
- · Fast to do
- Hard to understand later

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Long Name								
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8	0.8	-0.74764	-1.16728	-1.3947				
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Scripting Python/Matlab

- More work to do properly
- Reproducible
- You can publish!

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It will be legen....Wait for it, we will publish something during HANDS-ON....

Questions?

...dary!

