

Creating data centric websites for researchers and research projects

http://SeedMeLab.org



http://SeedMeLab.org

Share...

Manage...

Search...

Visualize...

...data, as never before!



SeedMe: Stream **e**ncode **e**xplore and **d**isseminate **M**y **e**xperiments

Cloud drives: Cloud hosted solutions such as dropbox, onedrive, etc.

CMS: Content management system

DAM: Digital asset management

Consumable data

- Useful at a glance
- Can be handled by stock web browser
- Displayable on many devices (Phone PC)

Hot data: High value data at a given time



Data creation ^{^n}

Data use/reuse ++

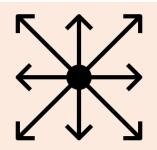
Research teams +

Trends

- Data doubling every year
- Sprawling data governance issues
- Open data and FAIR data mandates by Government & Sponsors

Lack of powerful and rich data management solutions





Information dispersion

- Scattered data and its context leads to content fragmentation and poor information/knowledge retention
- Painful to maintain and enforce qualitative controls



Weak presentation

Data presented without context makes its consumption difficult

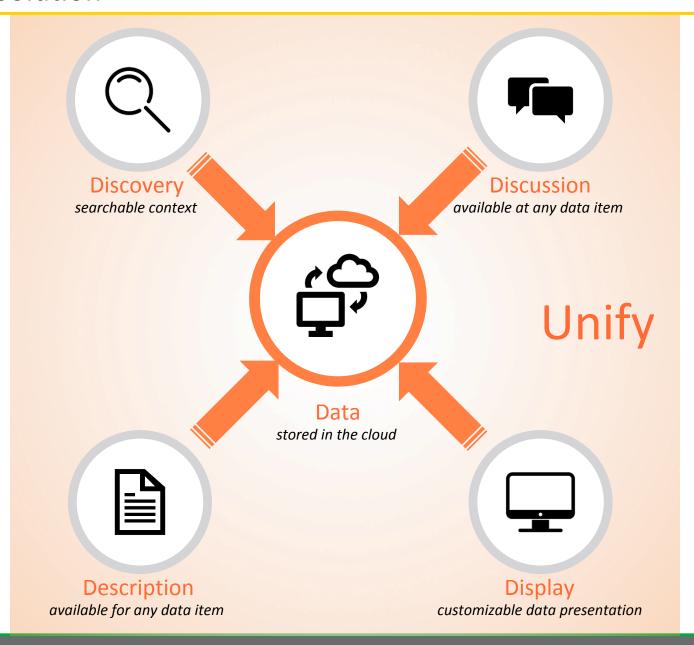


Dark data

- Lack of context makes data harder to search/find, its essentially lost from a practical standpoint
- Most people cannot find their own data







A branded data hub for your team and collaborators to accelerate productivity and retain context for the future.



Designed for researchers

Streamline and make your data more valuable.

Accelerate your research with improved efficiency.

Organize and share data

Organize data as familiar folders/files and easily share it privately with collaborators or make it public.

Deep context

Add context to any data item and discuss it via a simple commenting system, which serves as an excellent resource when writing research articles.

Rich metadata

Add relevant fields along with your data for quick and easy reviewing, filtering, and searching.

Visualize and present

Present your data in a consumable form via automatic visualizations and rich formatted text that supports scientific notation.

Extend your brand

Add distinction to your brand and data by including a custom domain name, logo, and layout when using the platform as your website.

Integrate

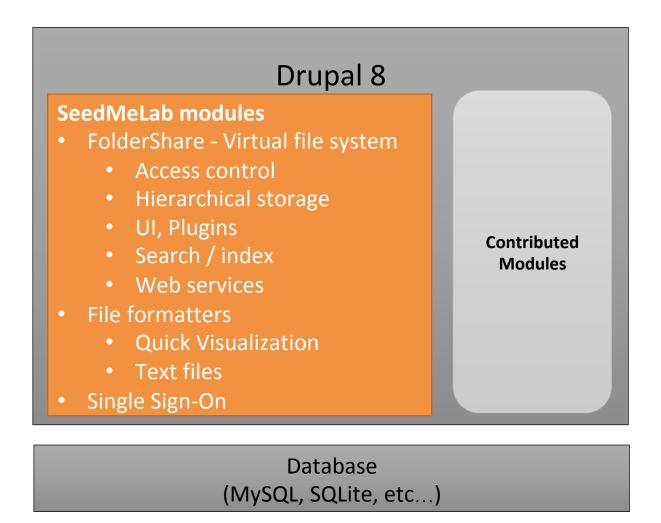
Automate your data flow with our API.

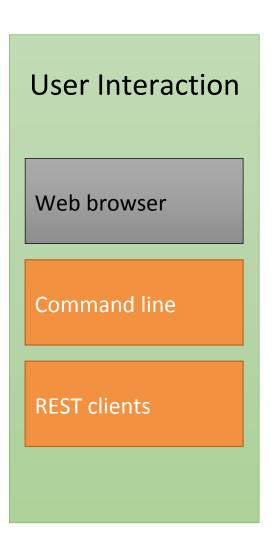
Versatile access

Access your data on phone, desktop or supercomputer.

SeedMeLab Architecture







SeedMeLab components

Drupal - Content Management System

Large ecosystem
Battle tested

Modular &
Extensive
Support
drupal.org/modules

Periodic updates
Support
drupal.org/drupal-services

Open source
Versatile deployment options

Drupal 8

- Used by significant number of large and complex websites
- 2200+ modules with security advisory
- 160+ themes with security advisory
- 3,000+ contributors from 1200+ companies
- Periodic updates (1st and 3rd Wednesday of month) + Roadmap
- 1000+ Drupal service providers

Who uses Drupal?

drupal.com/showcases

Academia

Columbia

Duke

MIT 500-1000 Drupal sites

GaTech in many universities

Princeton

UC Boulder

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Government

DOE websites

Mass.gov

NASA

Unicef

USDoT

Whitehouse.gov

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Industry

AMD

Johnson & Johnson

IBM

Pfizer

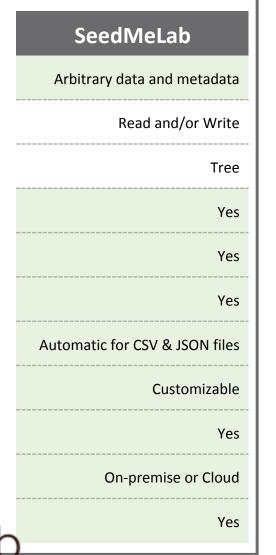
Nasdaq

The Weather Channel

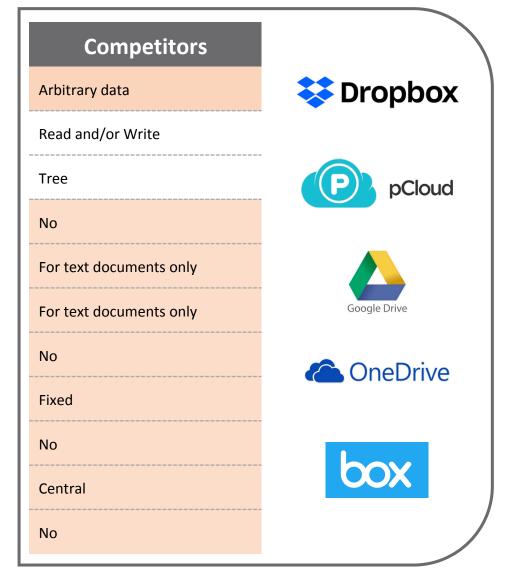
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Competitive Landscape



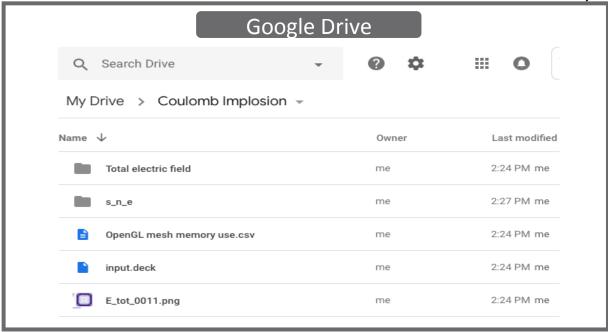


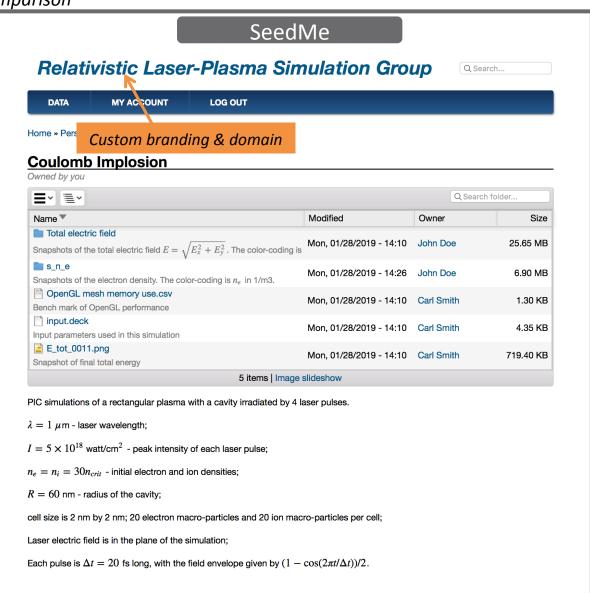
Features			
Focus			
Sharing			
Organization hierarchy			
Expandable metadata			
Data Description			
Data Discussion			
Visualization			
Branding & layout			
Expandable as a website			
Hosting options			
	Open Source		





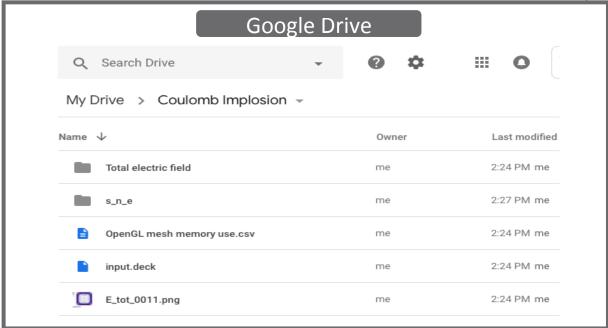
Side-by-Side Comparison

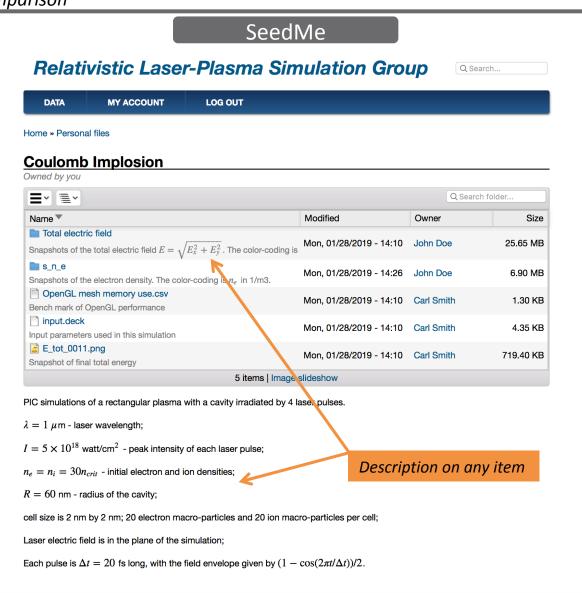






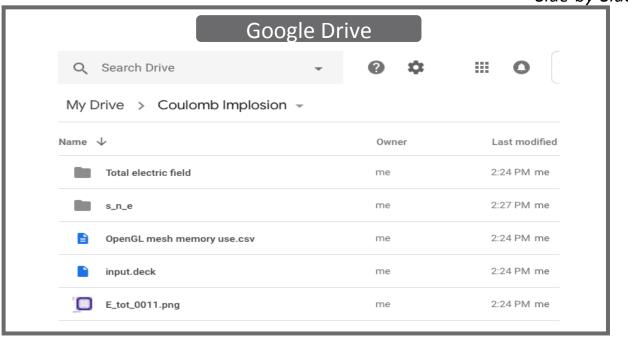
Side-by-Side Comparison







Side-by-Side Comparison



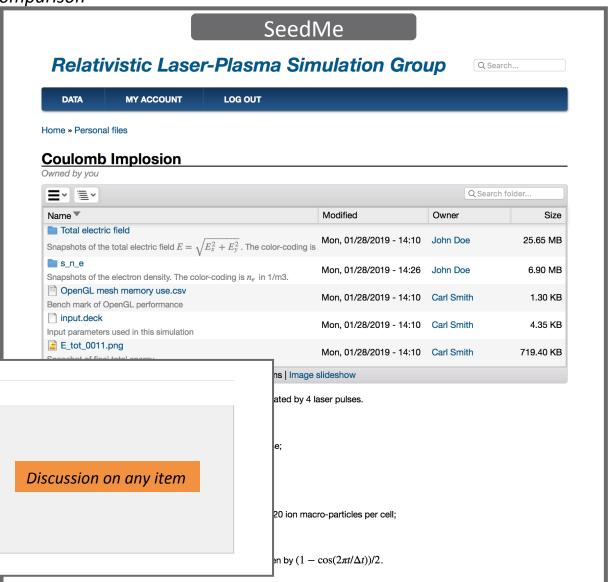
FolderShare comments

OpenGL benchmark

Permalink

Submitted by Carl Smith on Mon, 01/28/2019 - 14:13

I have added the results from OpenGL benchmarks







=~ 200

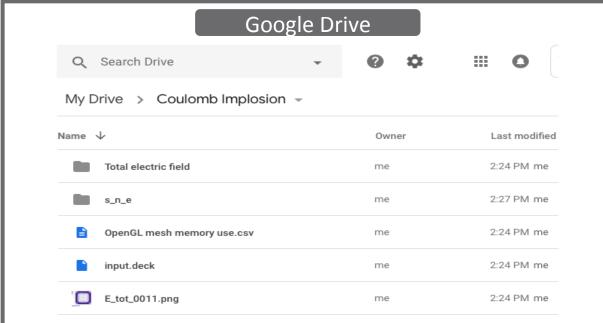
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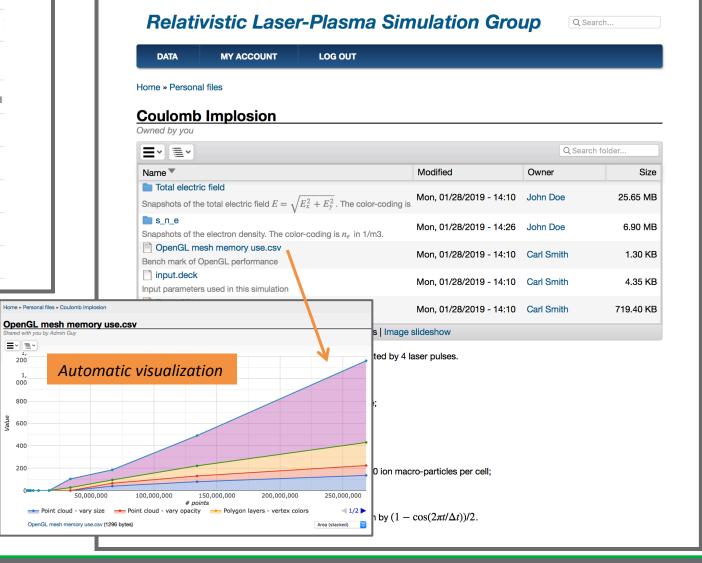
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SeedMe

Use cases

Research group hub

- Strengthen your brand with your data
- Use as collaboration hub
- Use for data management plan
- Example: Laser Plasma Lab @ UCSD

Community hub

- Community customization for metadata, workflows and data management
- Example: FlowGate project @ J. Craig Venter Institute

Application data hub

- Integrate applications to share demonstration data, test datasets and highlighted content
- Make cloud available for user contribution
- Data publishing
- Example: CIPRES Gateway, GenApp Gateway

Cyberinfrastructure services at campus

- Provide SeedMeLab at your campus
- Example: UC Boulder, Univ of Nebraska Lincoln



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