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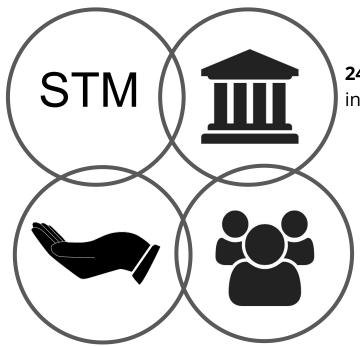


## Market

**\$25.2 billion** STM market in 2013

(650 publishers producing around 11,550 journals in English (link)

Total system costs of conducting and communicating the research published in journals **£175 billion** 



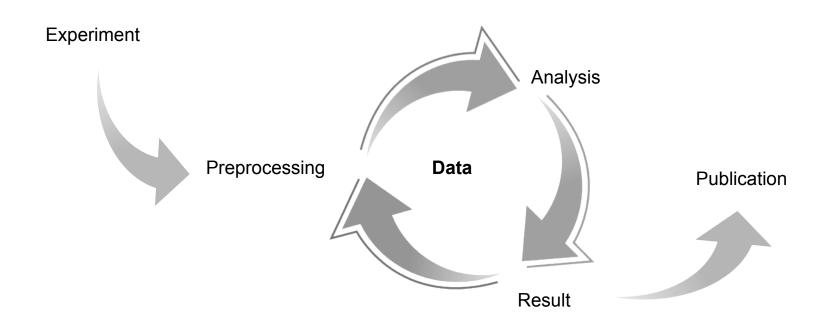
**24.000+** third level institutions in the world

**15.2 million** publishing scientists

**4.16 million** unique authors in 2013



## Research Data Workflow





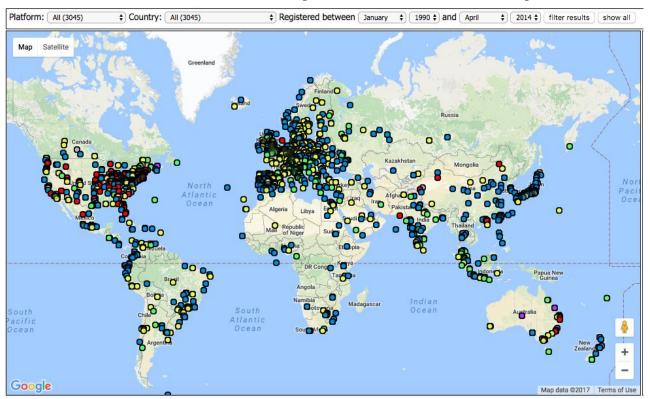
## The 10 largest publishers, by number of journals

Publisher	Number of journals	Cumulative % of all journals
Springer (exc. NPG)	2987	10.6%
Elsevier	2500	19.5%
Wiley	2388	28.0%
Taylor & Francis	2105	35.5%
SAGE	750	38.1%
Wolters Kluwer (inc. Medknow)	672	40.5%
Hindawi	438	42.1%
CUP	350	43.3%
OUP	362	44.6%
Emerald	290	45.6%

http://www.stm-assoc.org/2015 02 20 STM Report 2015.pdf



# Institutional Repositories Map



Source: <a href="http://maps.repository66.org">http://maps.repository66.org</a>





"3 years after finishing the project 80% of all researchers can not present the data anymore."

Prof. Dr. Mark Ferguson

Science Foundation Ireland

<sup>\*</sup> we believe that is probably a slight understatement.



## Link / Reference Rot



404 Not Found: The requested resource could not be found but may be available again in the future Subsequent requests by the client are permissible.

- 70% of the URLs within Harvard Law Review (HLR), the Harvard Journal of Law and Technology (JOLT) and the Harvard Human Rights Journal (HRJ) suffer link rot
- 50% of the URLs within U.S. Supreme Court opinions suffer **reference rot**

http://papers.ssrn.com/sol3/papers.cfm?abstract\_id =2329161





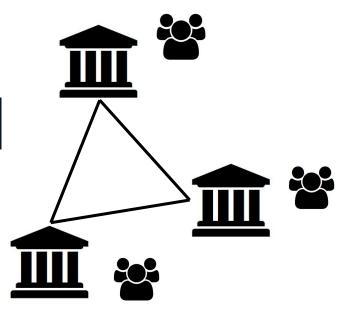
# Data Management Hub

### **Innovative Technologies:**





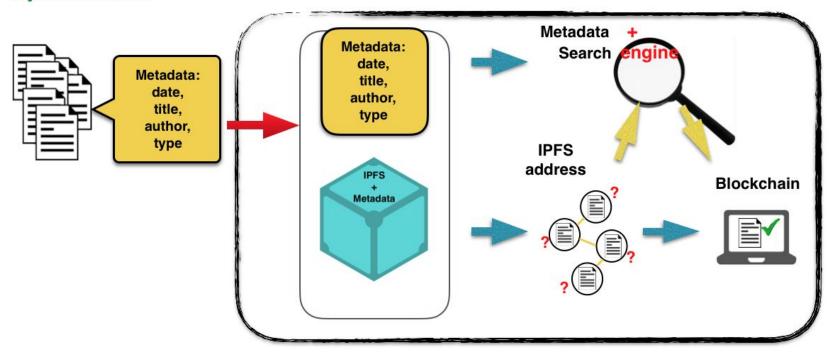
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- ✓ ORCID
- ✓ Time Stamps
- ✓ Search
- ✓ Data Authorship Attribution



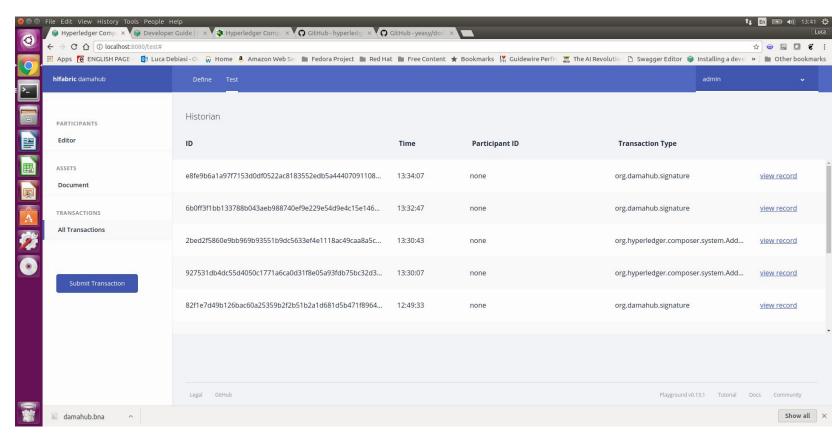


### **Data Management Hub**

#### **System solution**

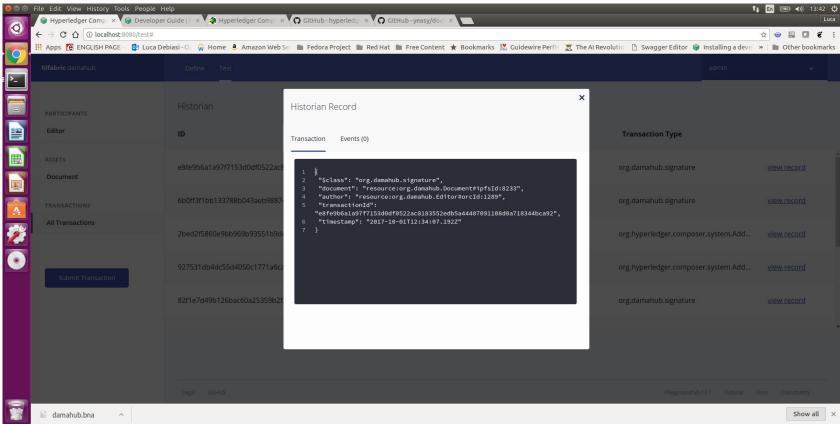






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# Data Management Hub Advantages

#### Researcher



Fit-in-workflow Data Management

### **Funding Organisations**



Where and how money work?

### **Publishers**



Data and Articles combined

### **Libraries**



Data Archive



# Data Management Hub



Distributed, neutral





Peer-Review, Comments



Timestamps for Authenticity



 $\Theta$ 

Open Access



Easy Sync







Open Source



Version-Management





No Vendor-Lockin



Private Data





Lots Of Copies Keep Stuff Save



## The Team



Denis Parfenov, Founder <a href="keybase.io/prfnv">keybase.io/prfnv</a>



Luca Debiasi, Lead Engineer <a href="mailto:linkedin.com/in/luca-debiasi-79338012/">linkedin.com/in/luca-debiasi-79338012/</a>

#### Advisors:









