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Two decades of subversion attempts

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Enabling Open Scholarship



The 'Subversive Proposal'

- arXiv started in 1991
- And still flourishes
- 27 June 1994: the Subversive Proposal
- Recommended that authors post their papers on anonymous ftp sites
- Free access to theirs peers



PROGRESS



What happened next?

- World Wide Web



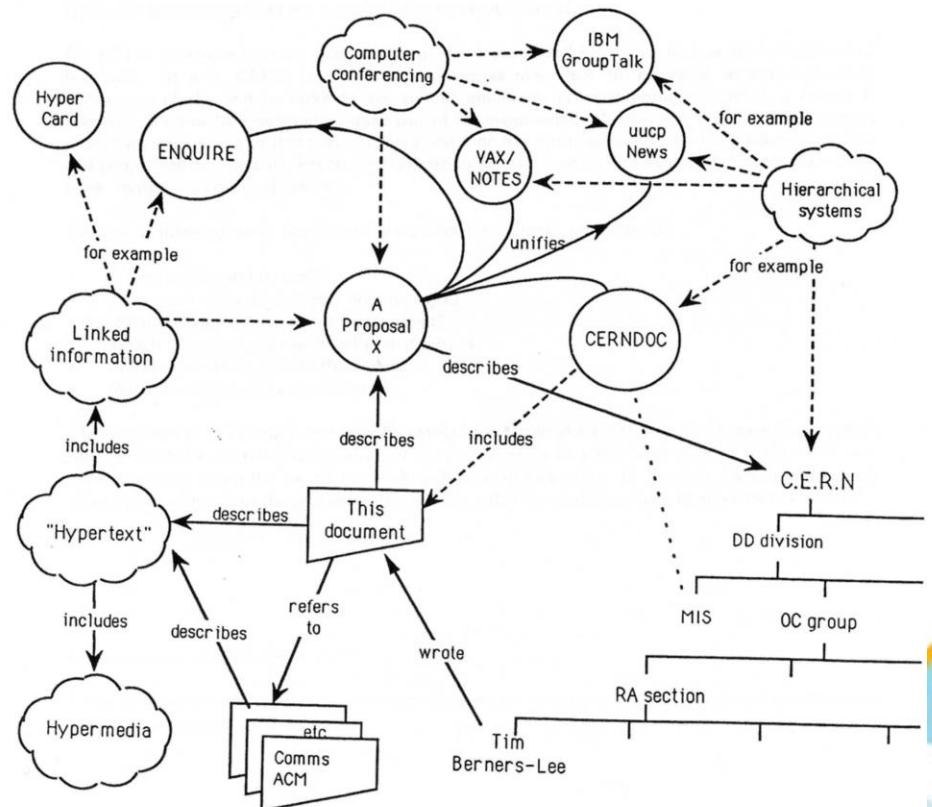
Vague but exciting ...

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control



Vague but exciting ...

CERN DD/OC

Tim Berners-Lee, CERN/DD

Information Management: A Proposal

March 1989

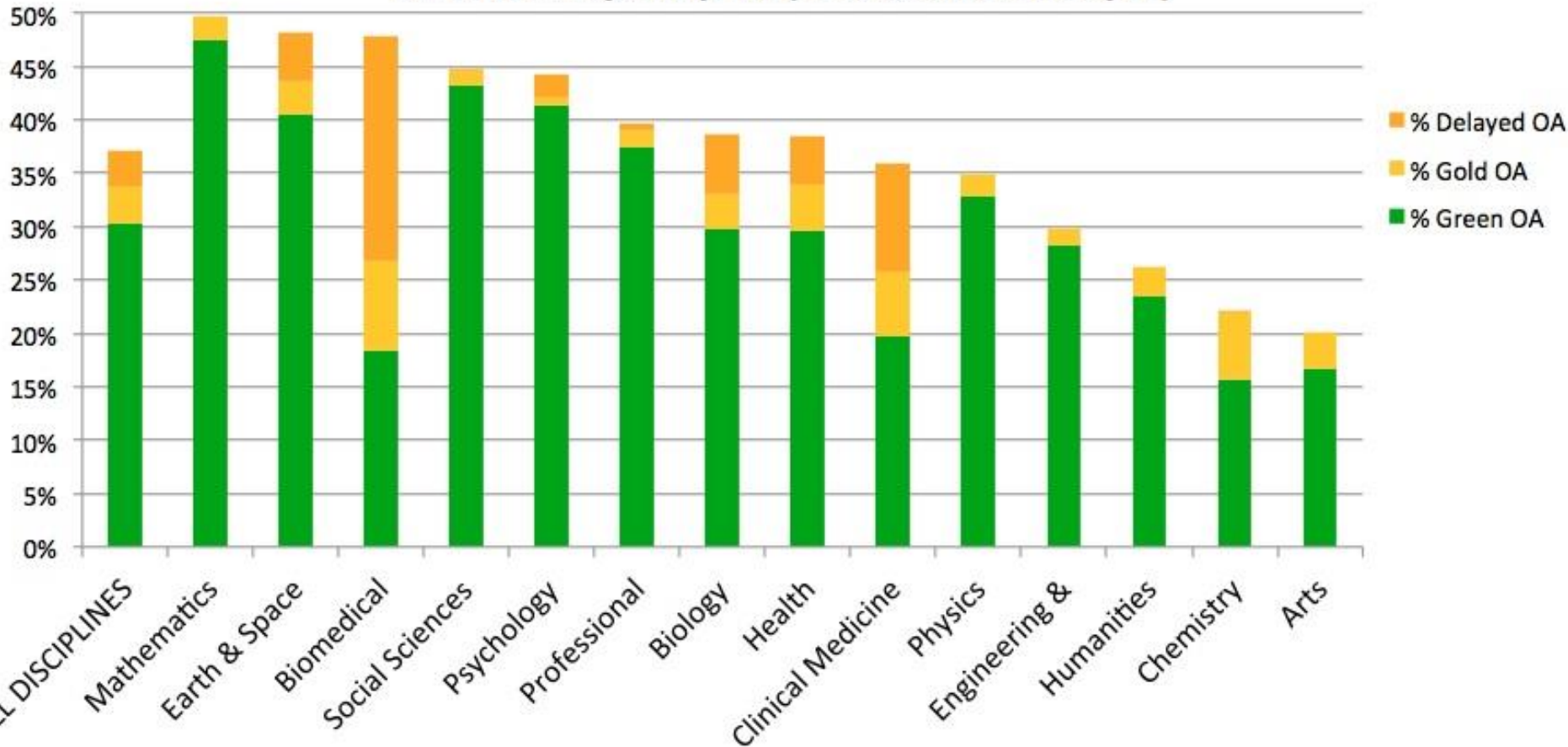
Information Management: A Proposal

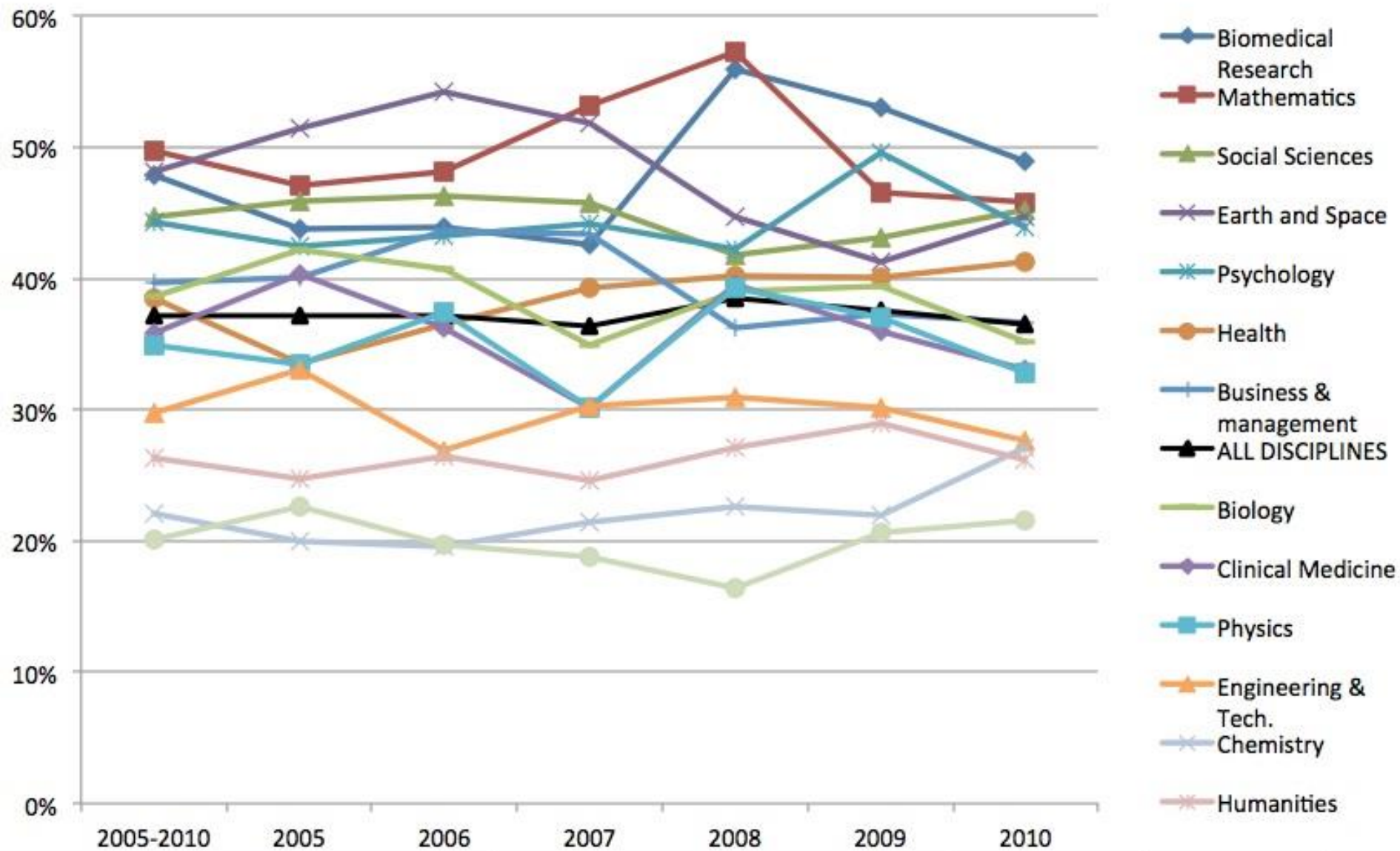
Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a



Percent OA by discipline (Green, Gold & Delayed)





What happened next?

- Not a lot!



PROBLEMS



Why so low after 20 years?

Authors

- Lack of awareness
- Lack of understanding
- Overdose of misunderstandings
- Fear of repercussions
 - from publishers
 - or on their careers
- Reward systems in academia entrench conservative behaviour
- Glacial pace of academic adoption of the Web



Why so low after 20 years?

Publishers (some of them!)

- Hindrance
- Obstruction
- Obfuscation
- FUD



Why so low after 20 years?

Libraries

- Hooked into Big Deals
- Budgets frozen
- Policy made elsewhere
- Varying levels of buy-in to the notion of Open Access
- Preoccupation with issues that are not relevant

Why so low after 20 years?

Policymakers

- Slow to act
- Have lacked boldness
- Complacency: failure to monitor and enforce policy
- Though ... all this is changing now

PROMISE



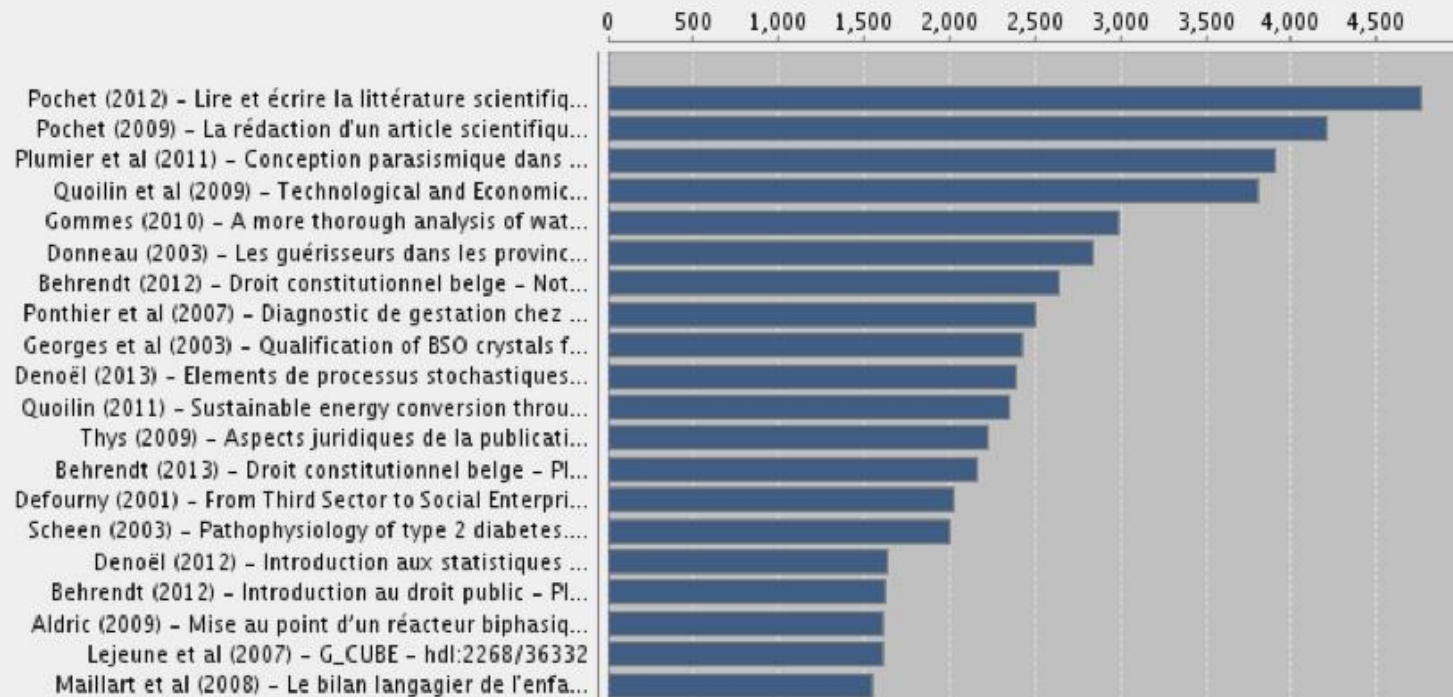
Better and better advocacy

- Benefits:
 - Visibility, usage, impact



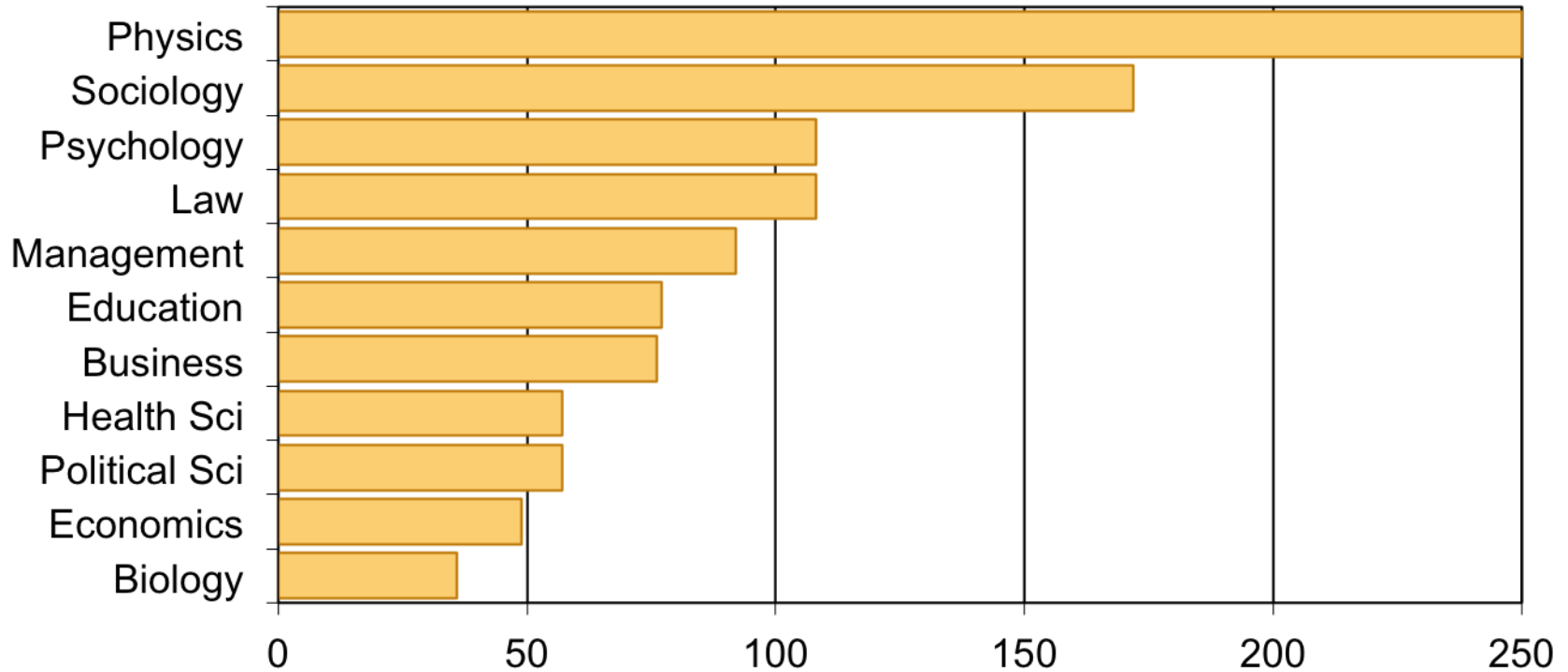
Individual article usage

The most consulted references (visualizations)



Data: ORBi (University of Liege, Belgium)

Citation impact



% increase in citations with Open Access

Range = 36%-200%

(Data: Stevan Harnad and co-workers)

Advocacy

- **Benefits to authors:**
 - Visibility, usage, impact
 - More efficient research
 - Better research process (no duplication, no 'culs de sac', more confidence in lines of research)
 - Part of the new modus operandi for the digital scholar
- **Benefits to institutions:**
 - Mission
 - Visibility, usage, impact
 - Monitoring and assessment
 - Competitive intelligence
 - Outreach, return on investment
 - Funding
- **Benefits to funders:**
 - Monitoring and assessment
 - Return on investment



Advocacy

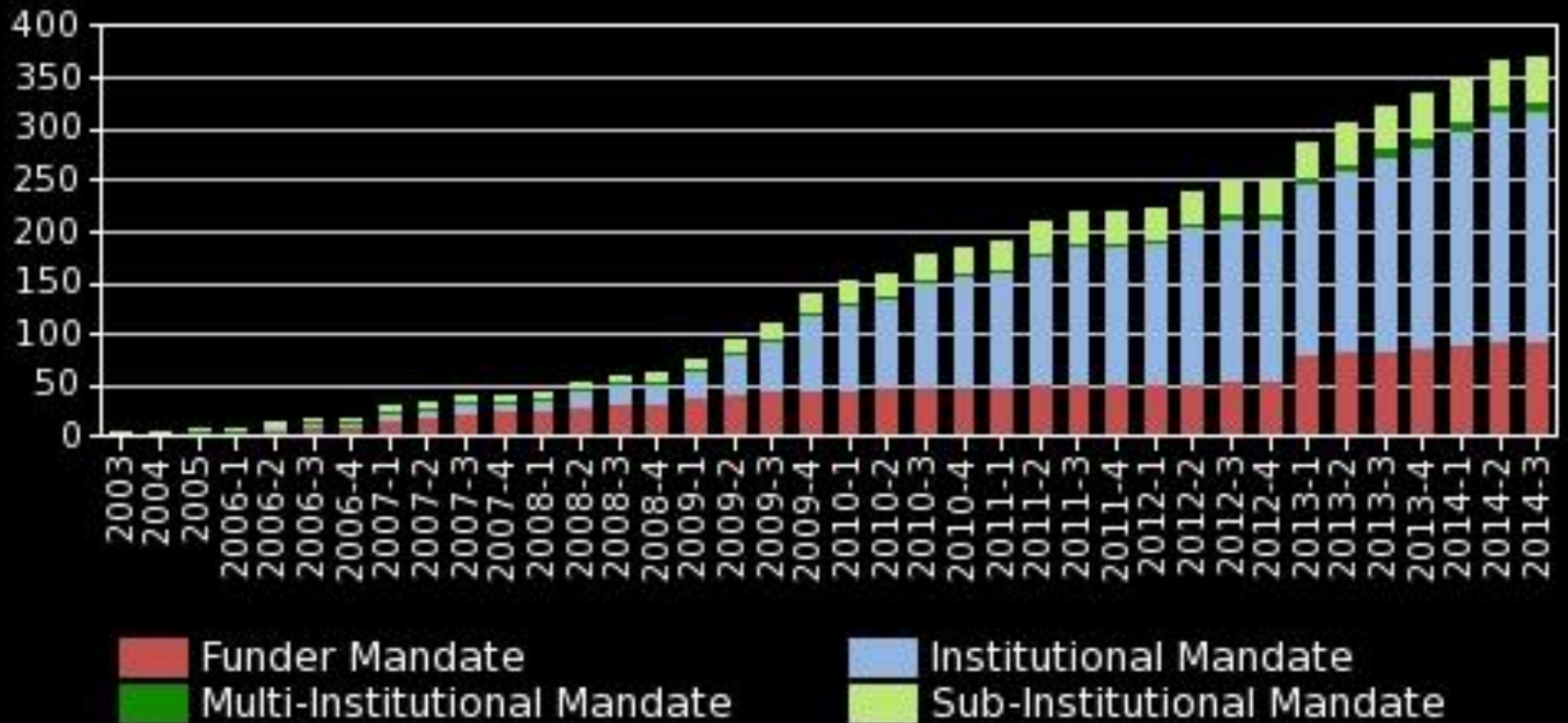
Focus	Authors	Institutions	Funders
Impact (visibility, usage, citations, re-use)	✓	✓	✓
Better research process	✓	✓	✓
Mission		✓	✓
Management information		✓	✓
Competitive intelligence	✓	✓	✓
Outreach, return on investment	✓	✓	✓
Funding	✓	✓	

Open Access policies

- 222 institutional policies
- 44 sub-institutional policies
- 90 funder policies
- Europe:
 - H2020 Rules have a mandatory OA policy
 - Recommendation to Member States (2012)
- US: OSTP directive to federal agencies



Open Access policies

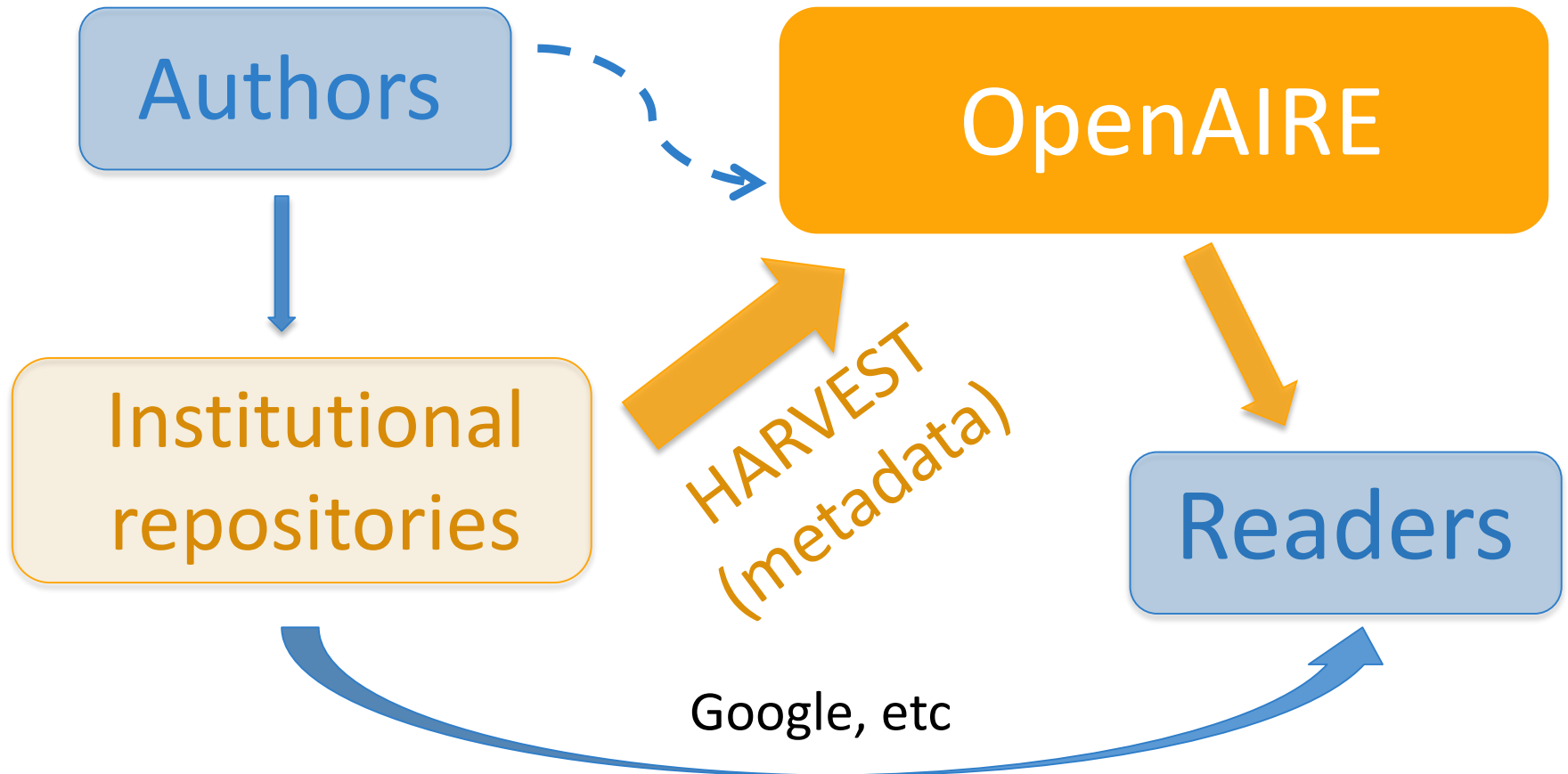


Infrastructure

- Print > electronic
- Hyperlinking
- Linked open data(?)
- Interoperability (work in progress)
 - Deposit
 - ID
 - Licensing
 - Preservation
 - etc, etc



OA infrastructure for EU research



Open Data

- Massive interest
- Funders developing policy to support Open Data implementation
- Lots of infrastructure already



UK Data Service



GitHub



sourceforge



ISSUES and CHALLENGES



Issues and challenges

- Humanities (some areas):
 - esp. the future of university presses (and their relationship with libraries)
- Open Data:
 - Preservation and curation
 - Development of appropriate data management practices
- Licensing practices and copyright (TDM)
- Sustaining the new system
- Funder and institutional responsibilities



Daniel Coit Gilman

First President, Johns Hopkins University

“It is one of the noblest duties of a university to advance knowledge and to diffuse it, not merely among those who can attend the daily lectures, but far and wide.”



Thank you

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www.openscholarship.org

www.pasteur4oa.eu



Institutional responsibility III: Sustaining the Open Access system

- Service infrastructure
- Many began as projects
- Sustainability plans not always robust
- May not be workable in the longer term
- First steps being taken to address this issue
- Libraries (and funders) have roles

