

# The State of the OAI-PMH

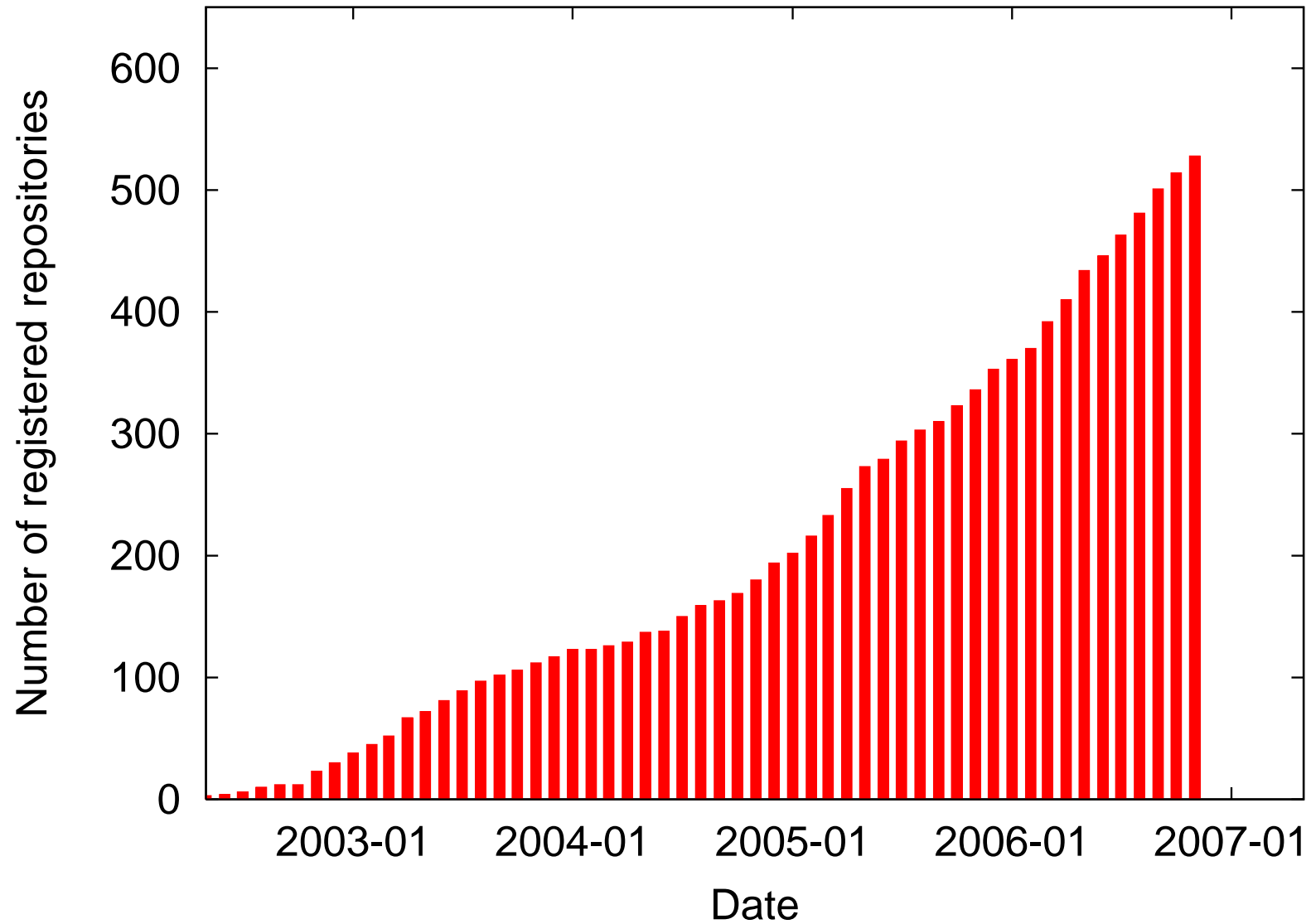
**Simeon Warner**

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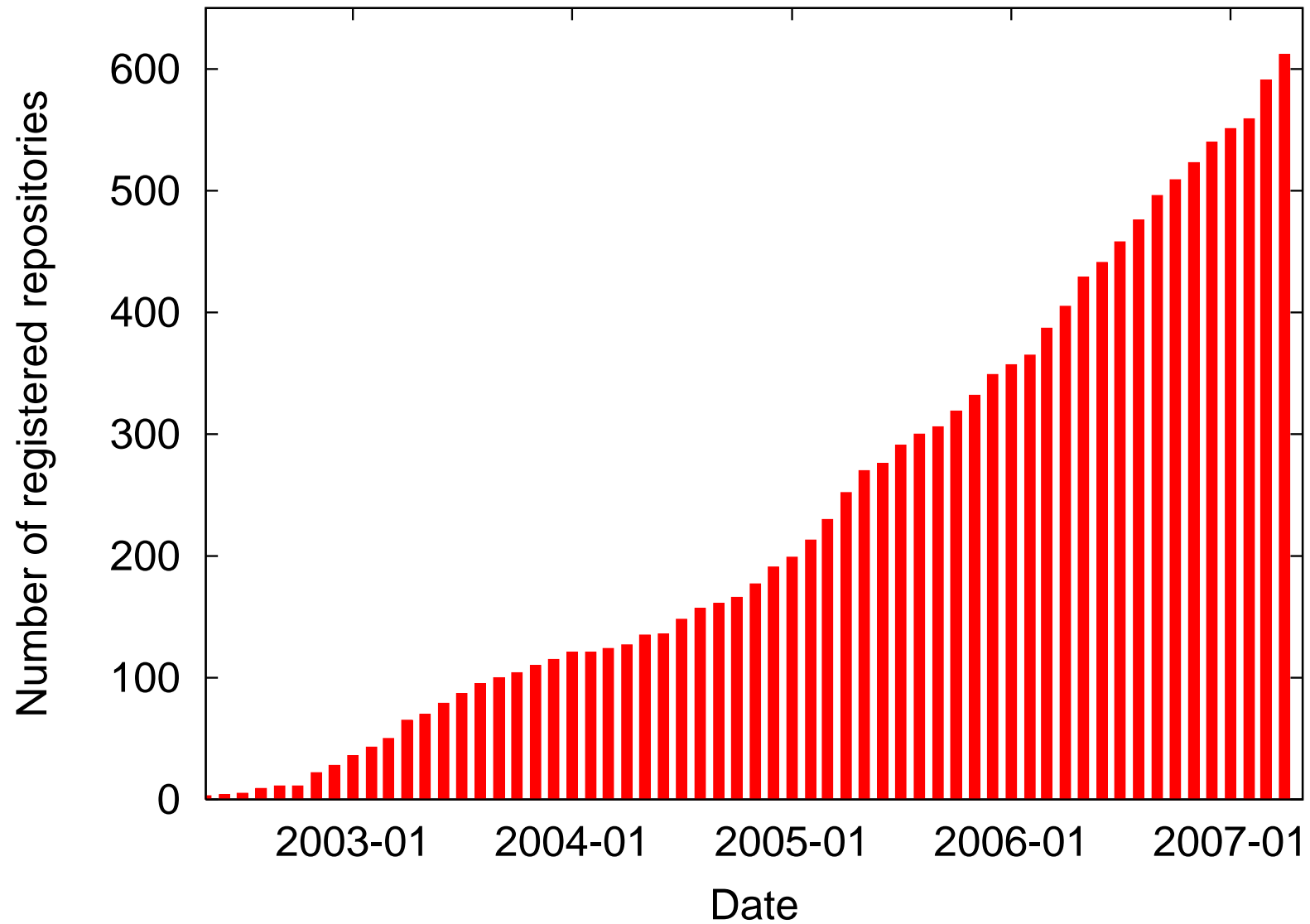
**OAI5: Innovations in Scholarly Communication**

**CERN, 18–20 April 2007**

# Registrations at OAI validator



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## Other indicators

Registry	Repositories	
UIUC registry	1365	responding v2.0 repositories
ROAR	862	registered repositories
OAIster	769	OAI-PMH data sources
BASE	409	OAI-PMH data sources

Service	Items	
OAIster	11.3 million	
BASE	5.4 million	OAI-PMH + web
...		
Avano	61 thousand	in <b>aquatic sciences</b>

## Looking back: OAI1, 2001

Results from ListIdentifiers requests made to **all 19** registered OAI repositories as of 2001-03-08.

Repository	Items
arXiv	155522
OCLC Theses and Dissertations	102762
NACA	6352
M.I.T. Theses	5196
The Oxford Text Archive	1290
...	...
CDLDERM	2
Tobacco Control Digital Repository	1

## Notable milestones and developments

- <friends> and ListFriends
- oai\_dc vs other metadata formats
- <branding>
- Static repository and gateway specification
- Complex object formats as “metadata”
- OAI-rights effort and specification

## Rights

OAI rights effort devised schema and rules to associate rights information with OAI-PMH records. Did not propose a way to associate rights information with resources referenced by OAI-PMH records.

Use for metadata doesn't really buy much as people were sharing metadata anyway.

Use of OAI-PMH to share resources as complex objects somewhat slow to catch on but expect rights information to be more useful in this case.

## Technical issues

**Sets:** the protocol provides no good and reliable way to indicate changes in set membership. Best approach to update timestamp to at least signal entry into set.

**Character set limitations** in set names have lead to a number of messy workarounds (especially the use of URL encoding).

**Ties to and reliance upon HTTP** has been a mixed bag. Simple and stable. More subtle flow-control would be nice.

Finally “over the hump” with XML and UTF-8 character encoding issues. Tools have caught up.

## **A return to scholarly focus**

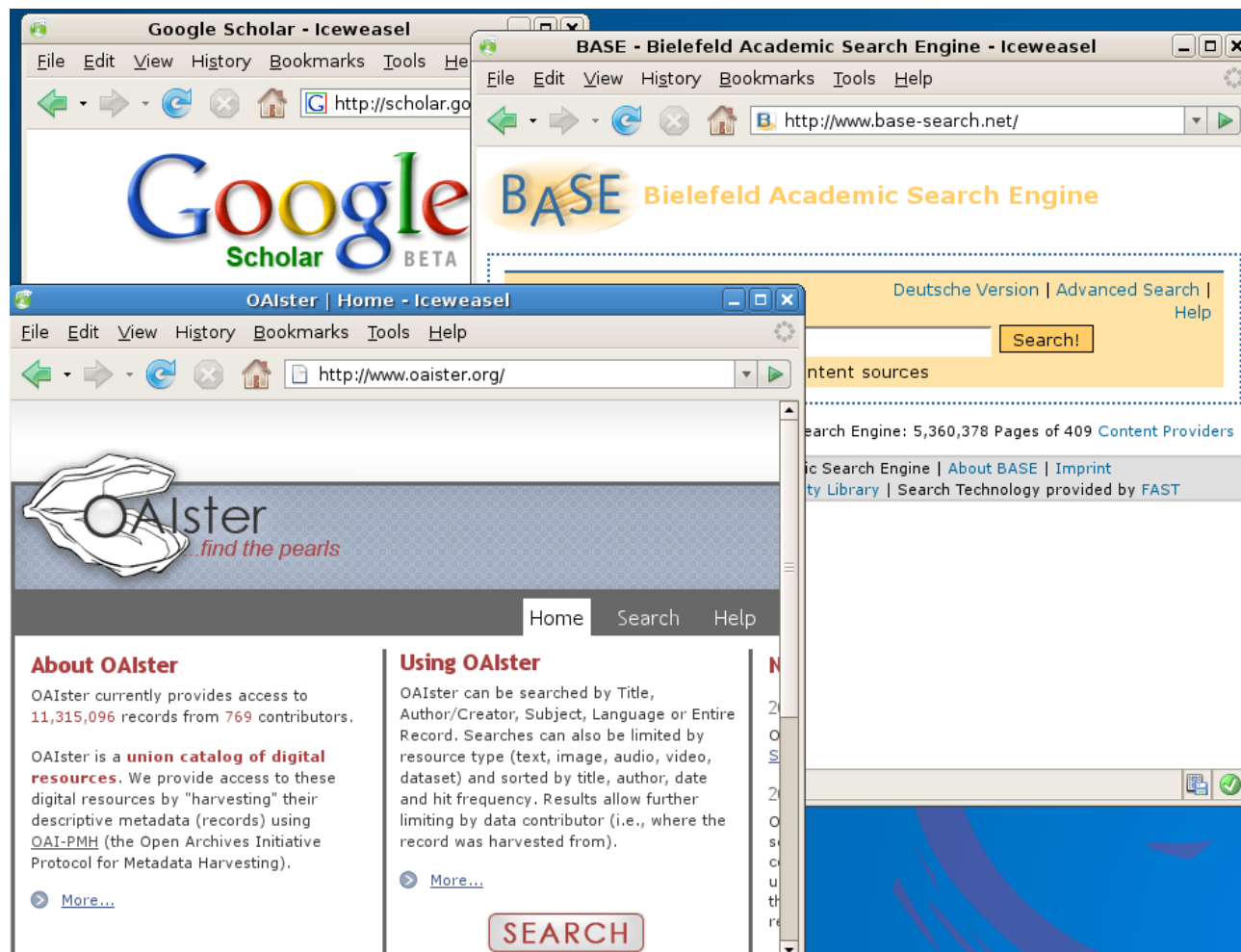
As the OAI-PMH evolved we saw the `Item` evolve from e-print, through document like object, to resource. The protocol is still written in that way.

The focus of activity around the OAI-PMH is really now about scholarly objects again, with additional use in museums community.

Now general awareness that scholarly objects include more than just articles — data, movies, software, etc. — so generalized notion of `Item` is appropriate.

# Cross-archive search

An original motivator for OAI-PMH – necessary for **Institutional Repository** notion. Now here but also Google.



# Richer services

[0704.1276] SDSS J102146.44+234926.3: New WZ Sge-type dwarf nova - Iceweasel

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http://arxiv.org/abs/0704.1276

arXiv.org > astro-ph > arXiv:0704.1276

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All papers

## Astrophysics

### SDSS J102146.44+234926.3: New WZ Sge-type dwarf nova

Alex Golovin, Ayani Kazuya, Pavlenko Elena P., Krajci Tom, Kuznyetsova Yuliana, Henden Arne, Krushevskaya Victoria, Dvorak Shawn, Sokolovsky Kirill, Sergeeva Tatyana P., James Robert, Crawford Tim, Corp Laurent

(Submitted on 10 Apr 2007 (v1), last revised 11 Apr 2007 (this version, v2))

We report CCD photometry and spectroscopy during 2006 outburst of the dwarf nova SDSS J102146.44+234926.3 (SDSS J1021). The photographic plates from the MAO, SAI and CrAO plate archives, which cover the position of the SDSS J1021, were inspected for the presence of previous outbursts. We also present the BVRcIc photometric calibration of 52 stars in SDSS J1021 vicinity, which have V-magnitude in the range of 11.21-17.23m and can serve as comparison stars. The large amplitude of the SDSS J1021 outburst of 7m, superhumps with a period below the "period gap", rebrightening during the declining stage of superoutburst, rarity of outbursts and obtained spectrum allow to classify this object as a WZ Sge type dwarf nova.

Comments: Published in IAU IBVS 5763  
Subjects: Astrophysics (astro-ph)

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## References & Citations

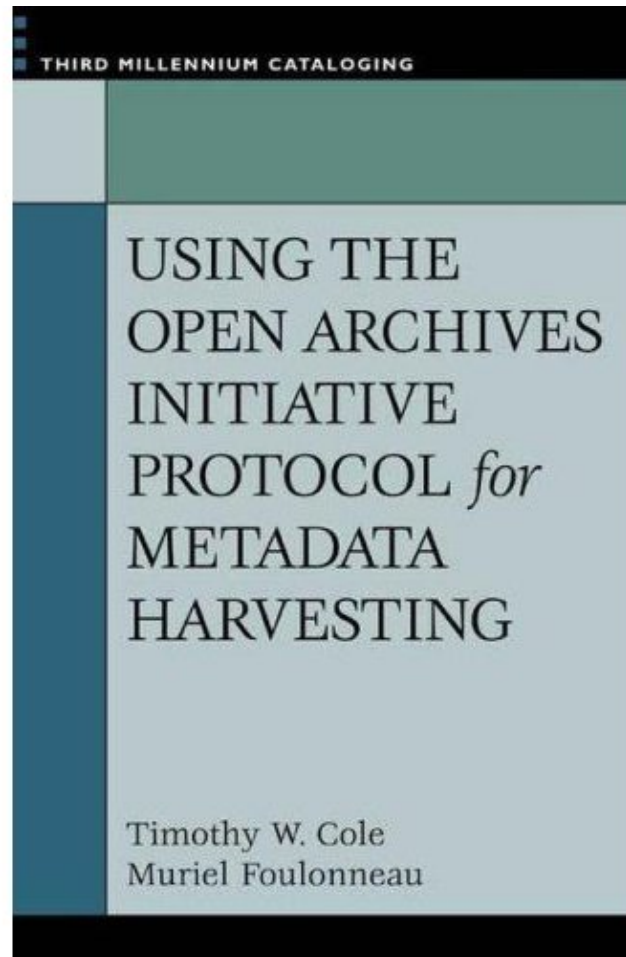
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## Maturity... OAI-PMH, the book

Soon to hit the shelves from Tim Cole and Muriel Foulonneau:



Q. What now?

That's for Herbert...

