arXiv update

Thorsten Schwander
Peter Halliday
Martin Lessmeister
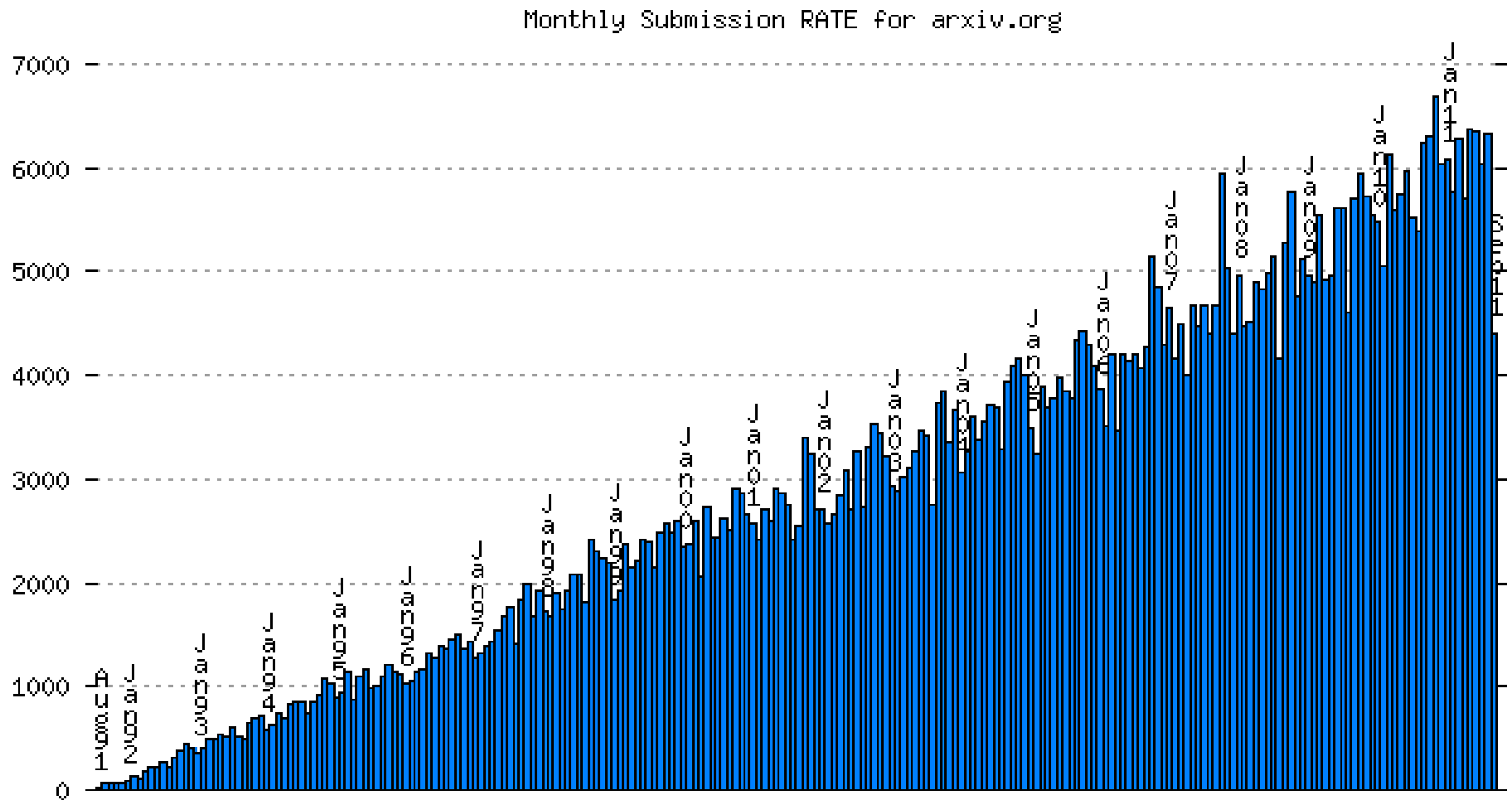David Ruddy
Oya Reiger
Simeon Warner (blame me for slides)

Still linear after all these years...

Monthly Submission RATE for arxiv.org

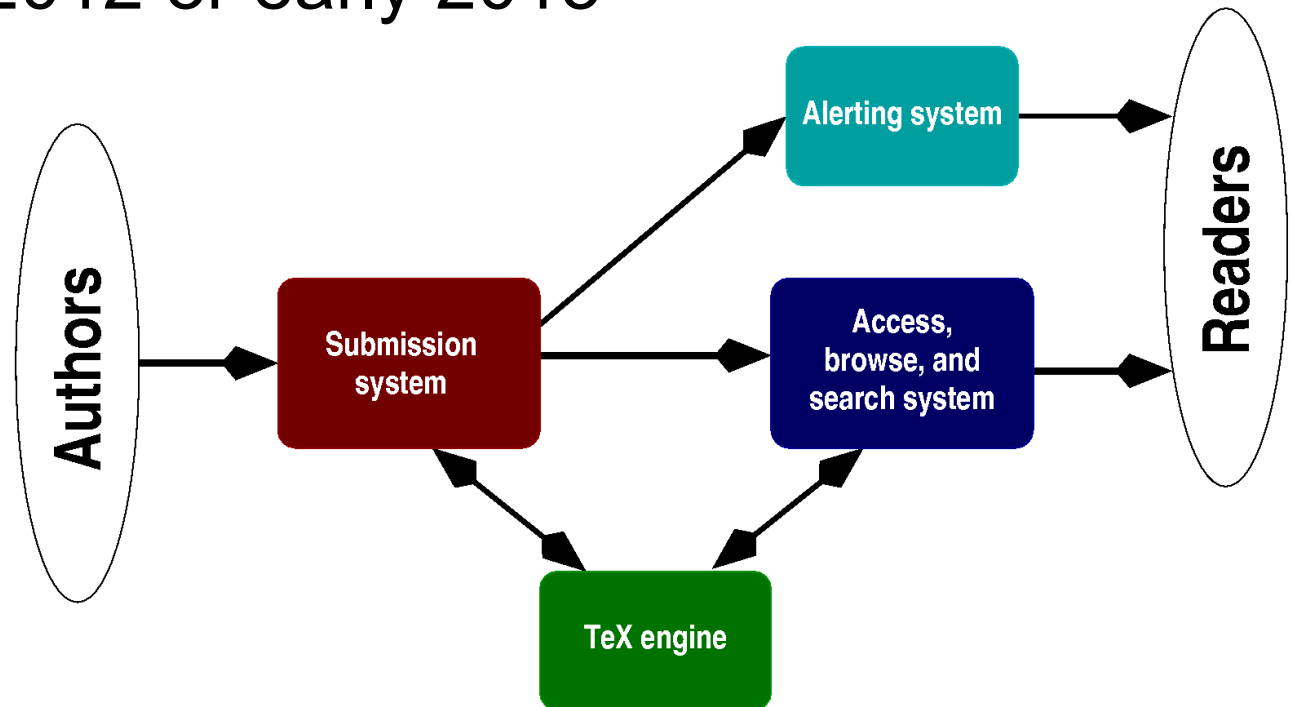First 20.2 years (20 Sep '11 total = 702,757)

Not quite 600k articles at last AAHEP, now just past 700k.
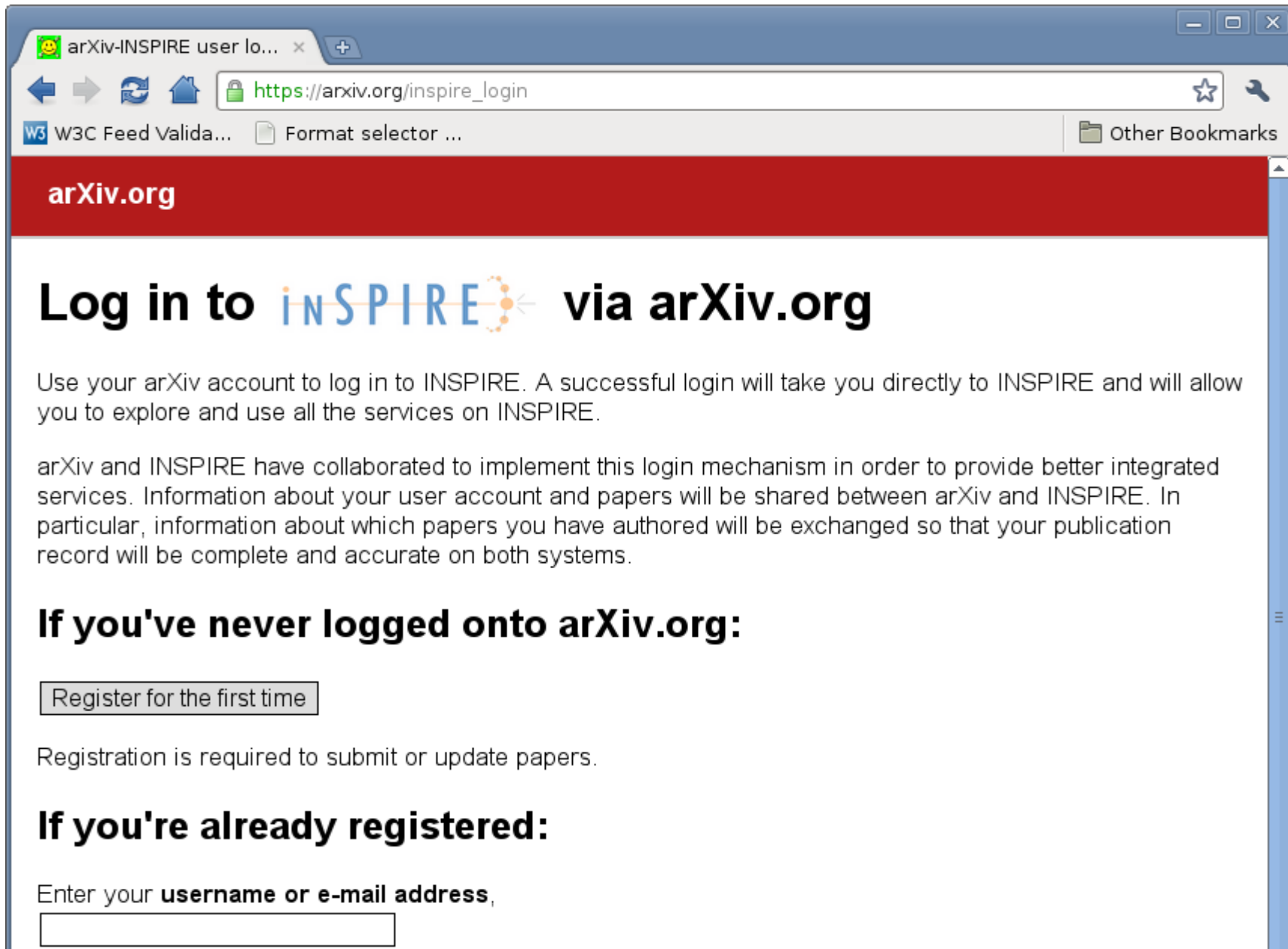
New submission system

- Just online for AAHEP4 (Apr 2011), now processed over 109k submissions, 59k replacements

- Many bug fixes and refinements last year

- Generally positive comments from users (unlike old form!)

- Added support for upload of auxiliary files and for datasets to go to Data Conservancy

- Will add support for `authors.xml` to pre-fill metadata

Invenio migration

- Goals: less in-house code, closer collaboration, better services

- Transition for access system underway, aim to complete end 2012 or early 2013

Shared login with Inspire

Author ids

- Steady creation/claiming but no new services
- ~7k out of 124k accounts with articles (5.6%)
- ORCID
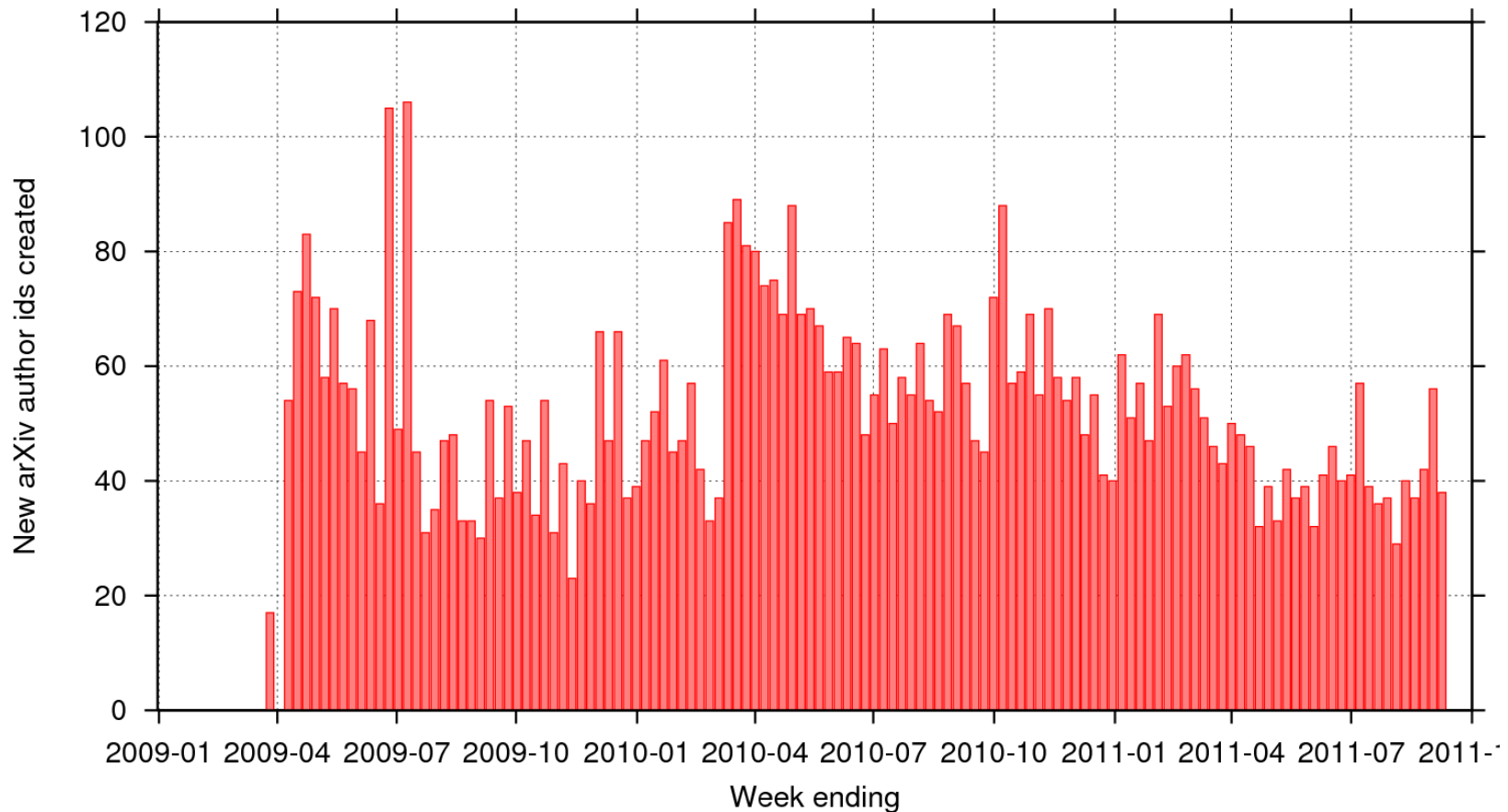
Miscellany

- Now provide both PDF and source files for download from Amazon S3

- Released "AutoTeX" code on CPAN

- SWORD uploads working well, have been promoting mechanism within repository community

- DOI and journal-ref feeds from Inspire, ADS, Elsevier, PTP ... happy to accept others

- Using overlap detection and classification software – in supervised mode – to help spot problematic submissions

arXiv operation

- Now somewhat more separate from development as a result of Cornell library re-org

- David Ruddy is lead, Thorsten Schwander has new oversight role (50%), and two admins

- We are succeeding in being ever more efficient

  - we aren't scaling admin effort with the number of submissions

  - always looking at process and tools

arXiv sustainability

- Oya Reiger lead

- $360k raised in 2010, $390k so far for 2011

- Continue to refine download stats collection

- Did small scale study showing strong correlation between upload and download numbers

- Support banners

- Regular updates

Cornell University Library

arXiv.org > help
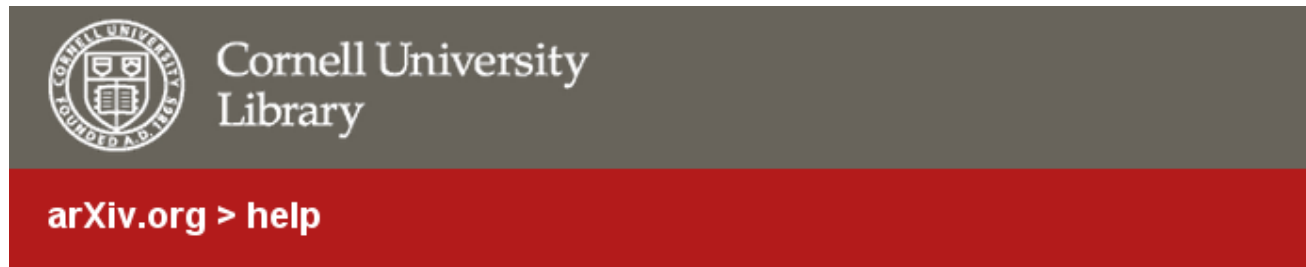
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arXiv Business Planning Update

July 2011

It has been 19 months since we announced the planning effort for a new collaborative arXiv bu several fronts—here are the highlights (some mentioned in previous updates):

- Implement a three-year interim plan (2010-2012) for seeking contributions from the top

Support for datasets

- Thorsten Schwander lead
- Worked with NSF Data Conservancy project
  - Additon arXiv upload to support data
  - Transfer to Data Conservancy repository
  - Linking from arXiv article
- Will re-evaluate at end of 2011