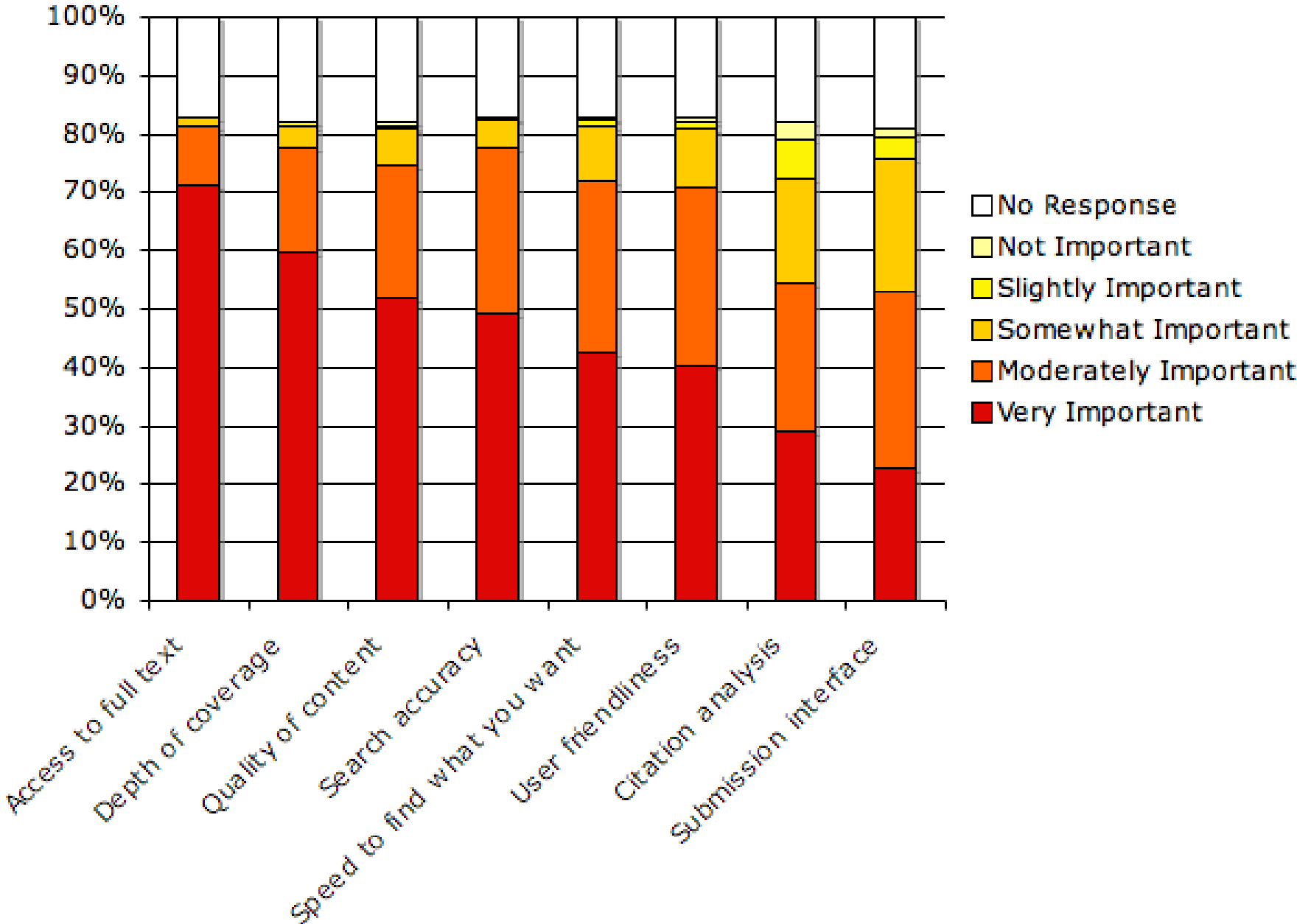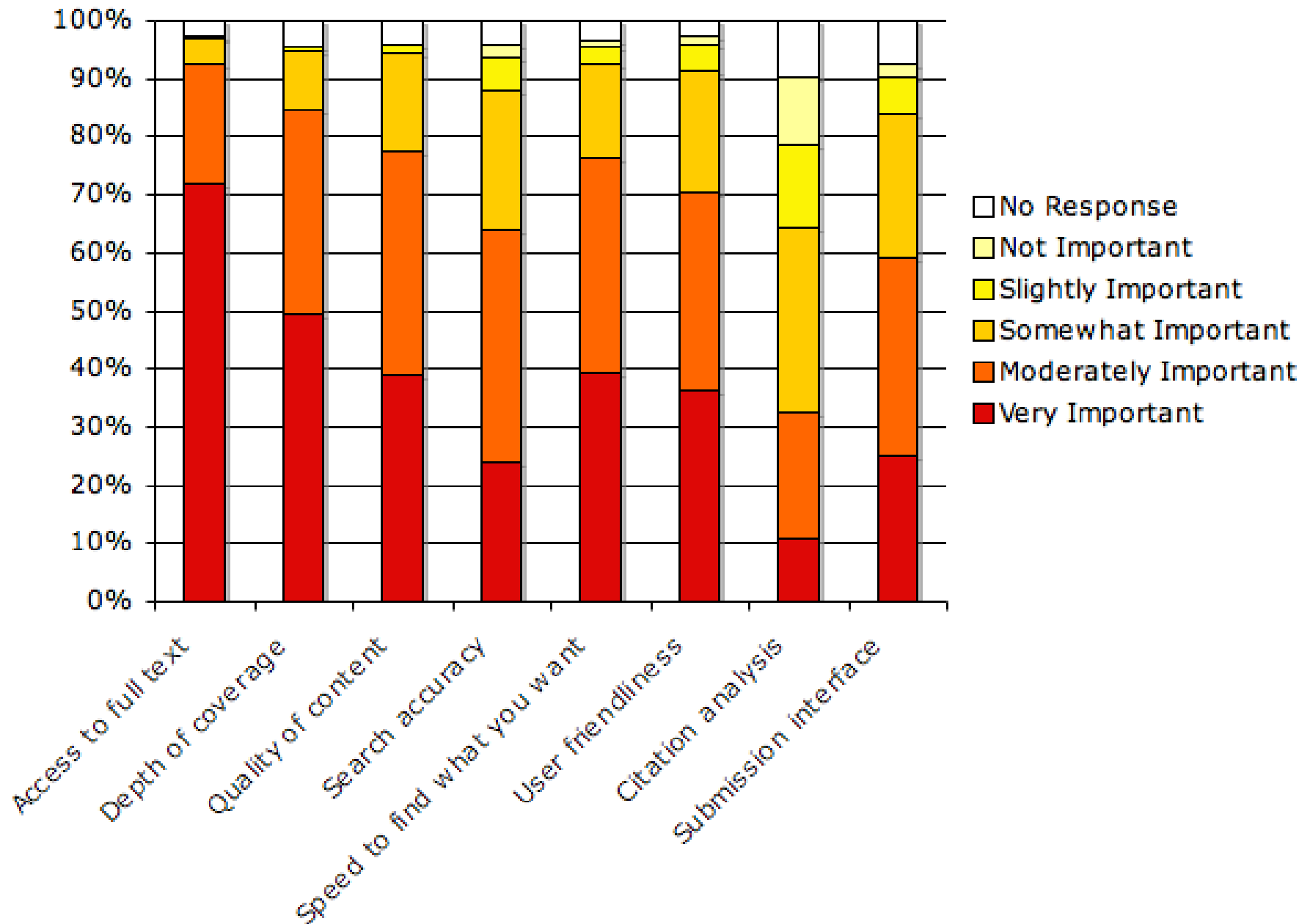# What's new at arXiv?

Simeon Warner
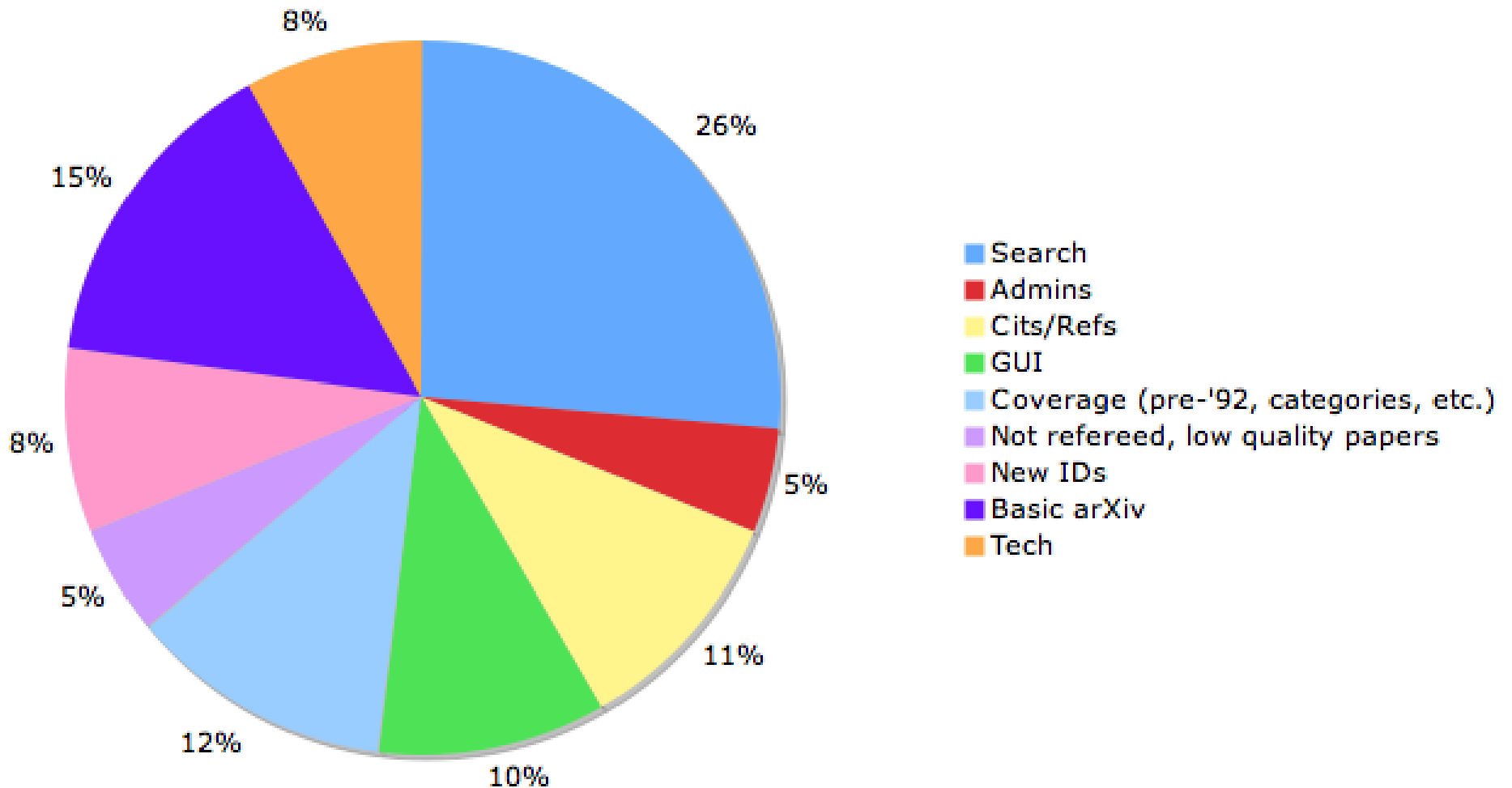
How important are these features of an information system for you? (entire data set)

Legend:
- No Response
- Not Important
- Slightly Important
- Somewhat Important
- Moderately Important
- Very Important

Categories (x-axis):
- Access to full text
- Depth of coverage
- Quality of content
- Search accuracy
- Speed to find what you want
- User friendliness
- Citation analysis
- Submission interface

How important are these features of an information system for you? (arXiv subset)

Legend:
- No Response
- Not Important
- Slightly Important
- Somewhat Important
- Moderately Important
- Very Important

Categories (x-axis):
- Access to full text
- Depth of coverage
- Quality of content
- Search accuracy
- Speed to find what you want
- User friendliness
- Citation analysis
- Submission interface

"What do you like least about arXiv?"
Free-text responses, grouped by broad coding categories
Includes 517 separate response types
("No response" - 396 respondants - omitted)

Legend:
- Search
- Admins
- Cits/Refs
- GUI
- Coverage (pre-'92, categories, etc.)
- Not refereed, low quality papers
- New IDs
- Basic arXiv
- Tech

26%, 8%, 15%, 8%, 5%, 12%, 10%, 11%, 5%

[Analysis/slide from Angela Zoss]

arXiv API

- http://arxiv.org/api
  - inspired by NCBI Entrez but simpler
  - simple query syntax (GET or POST)
  - search + date/update + similarity
  - Atom responses
- Online since December 2007
- Some interesting uses

Support for DOCX

- MS funded work
- Have web service to do
  - DOCX validation
  - DOCX -> PDF
  - DOCX -> plain text
- Will store both DOCX and processed PDF
- Intend to support ODF in similar way

Automated ingest / SWORD

- Project with Microsoft CMT team
- Automate upload of conference proceedings
- Especially important in CS
- Will promote to other conference management systems
- Working on support for notion of collection (a proceedings, an issue etc.)

New submission system

- New programmer (Gerda Shank) working on complete rewrite of submission system
- Upload document first so can plug in metadata extraction and classification tools
- Will put online with "pending" queue
- Expected by end 2008

Social Networking

- Trying to work out what to do… would love to discuss with YOU
  - likely promote bookmarking
  - better support blogging
  - "my papers" plugin for Facebook?