

ADS and Annotations

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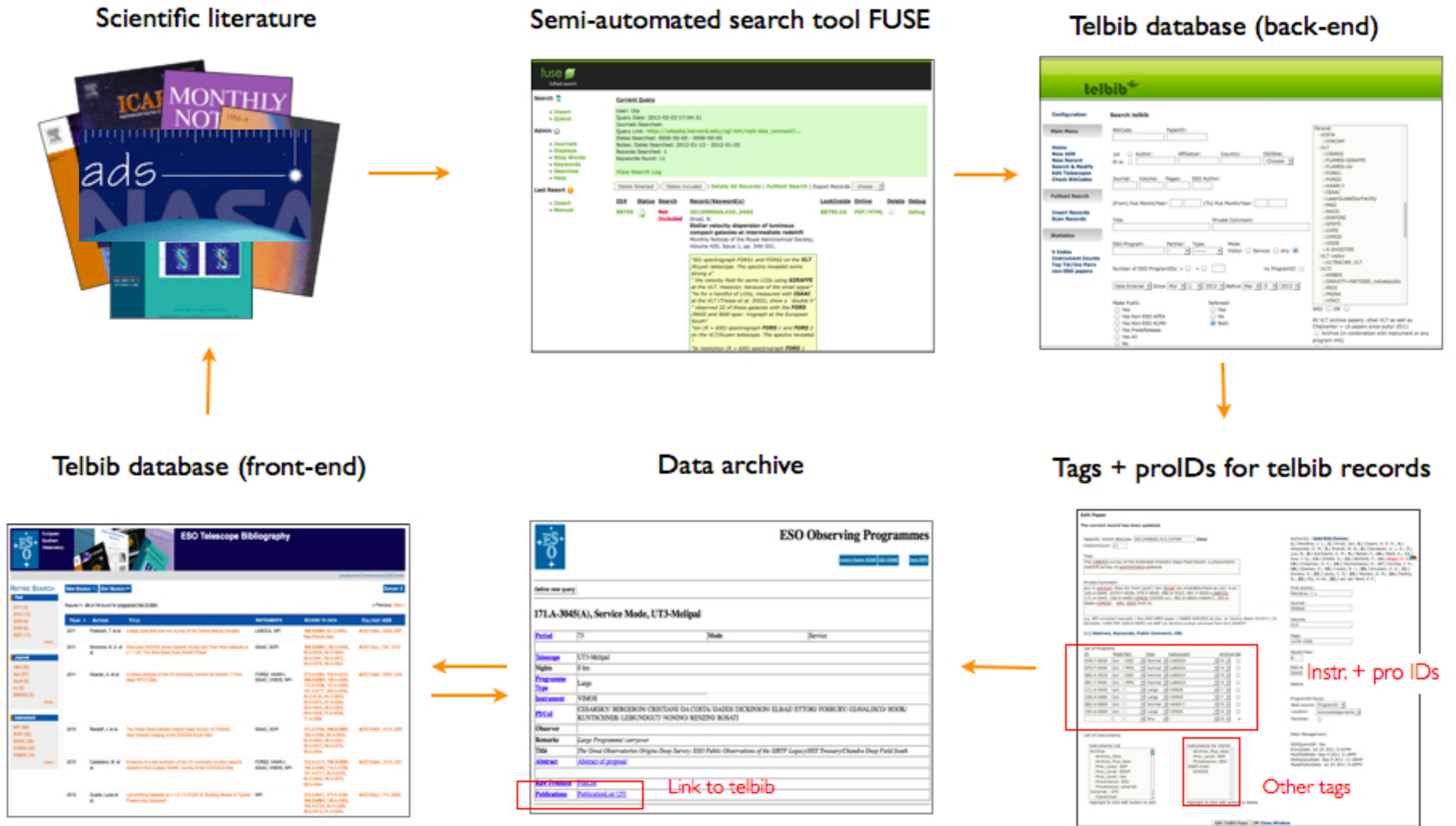
Annotation use Cases

- Whole record annotations: bookmarking, tagging, commenting typically done by curators and scientists
- Search result “snippets:” librarians identifying specific entities found in the text through search
- Text selection from document: the traditional writing of a note related to a portion of text in a paper

Kinds of Annotations

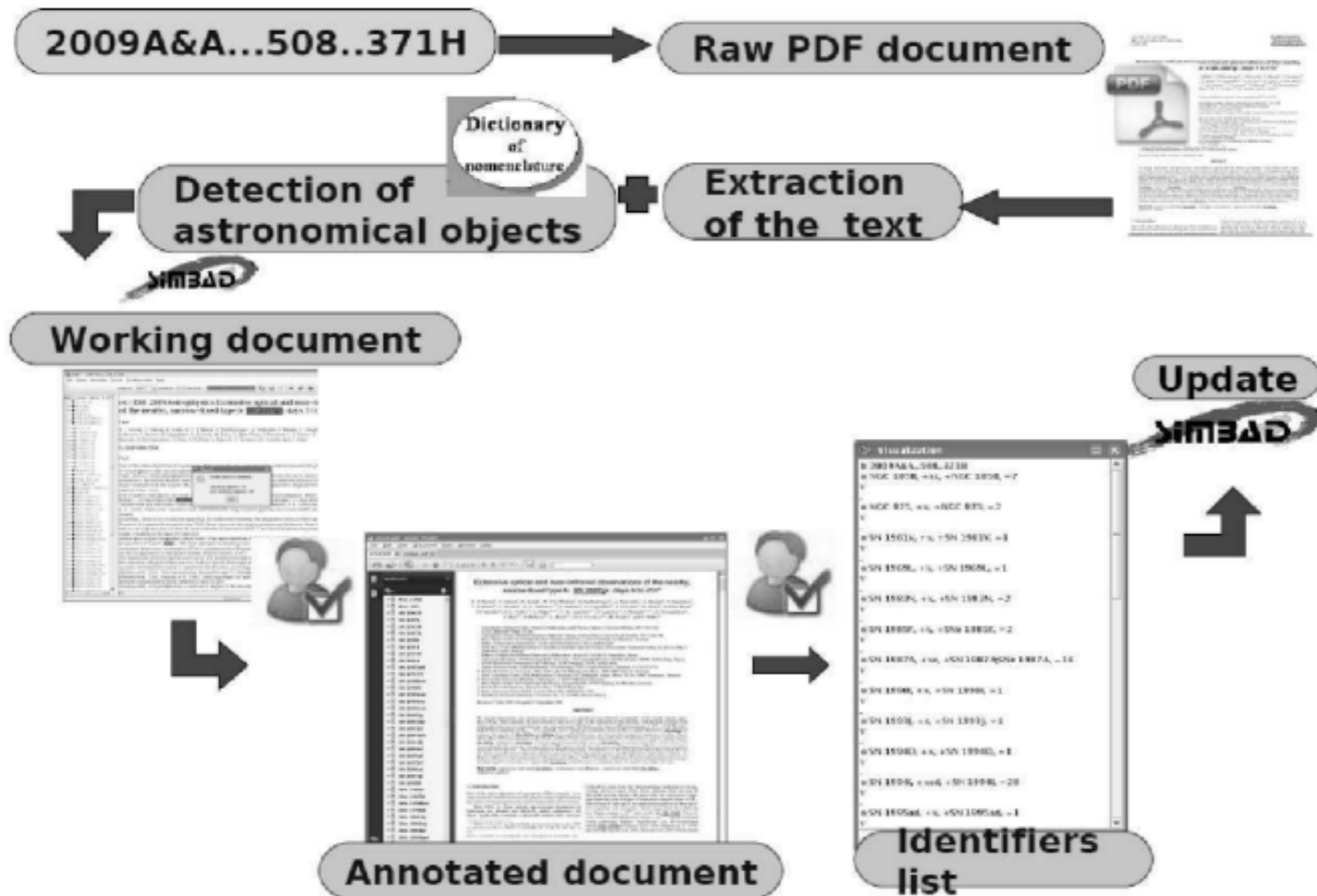
- Bookmarking (saving record / marker in paper)
- Tagging (using a controlled dictionary)
- Highlighting (selection of a fragment)
- Commenting (on fragment or whole doc)
- Structured Annotations (for ingest in DB)

Sample bibliography workflow



Meakins & Grothkopf, 2011: Linking Publications and Observations: The ESO Telescope Bibliography. ASP Conf. Proc. 461, 767 <http://adsabs.harvard.edu/abs/2012ASPC..461..767M>

Astronomical Object Extraction



How to fix this

- Provide the technology and platform to facilitate the curation efforts already taking place, using the open annotation framework
- Web-based portal supporting the creation of user profiles and curatorial roles (scientist, librarian)
- Advanced discovery tools supporting curator-supplied terms to allow targeted search, fine-grained annotations, review and validation of results
- API to support private and public sharing of annotations, integration in third party platforms (publishers websites, other collaborators)

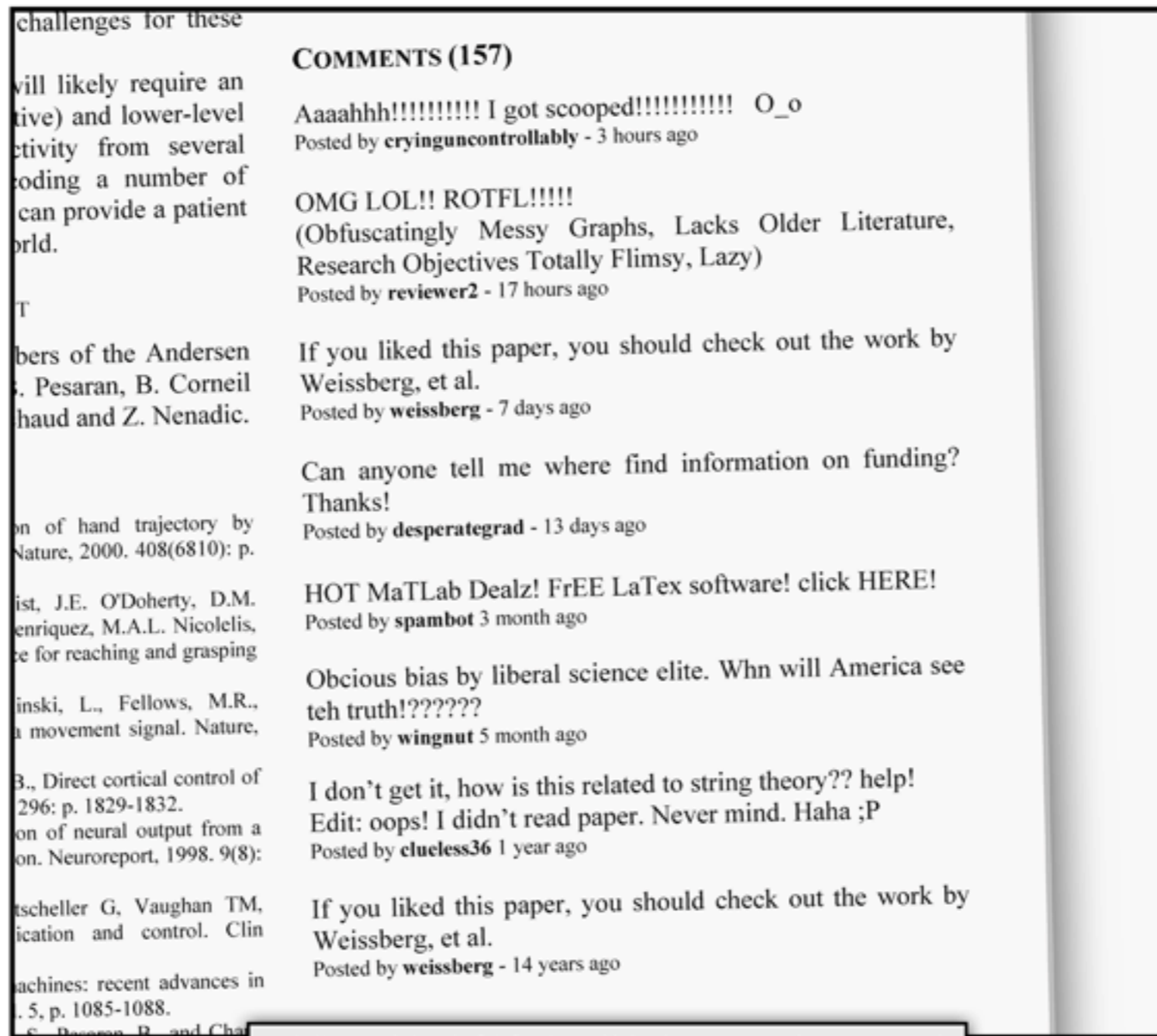
Why Now

- Standards are converging (W3C Open Annotation Data Model)
- Tools are maturing, and are becoming available in the public domain
- Explore the technical and sociological aspects of allowing annotations across content providers and communities
- Standardize and unify the kind of activities that dozens of astronomy curators are already doing today, while bringing transparency to process
- Avoid splintering of efforts and walled gardens

What we hope to do

- Team up with colleagues at MGH MIND group (Paolo Ciccarese & Tim Clark)
- Plan to make ADS personal libraries compatible with the Open Annotation model
- Incorporate annotation capabilities in ADS services via javascript widgets and libraries
- Provide broker services which will allow a platform for sharing annotations, tracking document versioning and provenance

Looking forward to it?



IF RESEARCH PAPERS HAD A COMMENT SECTION