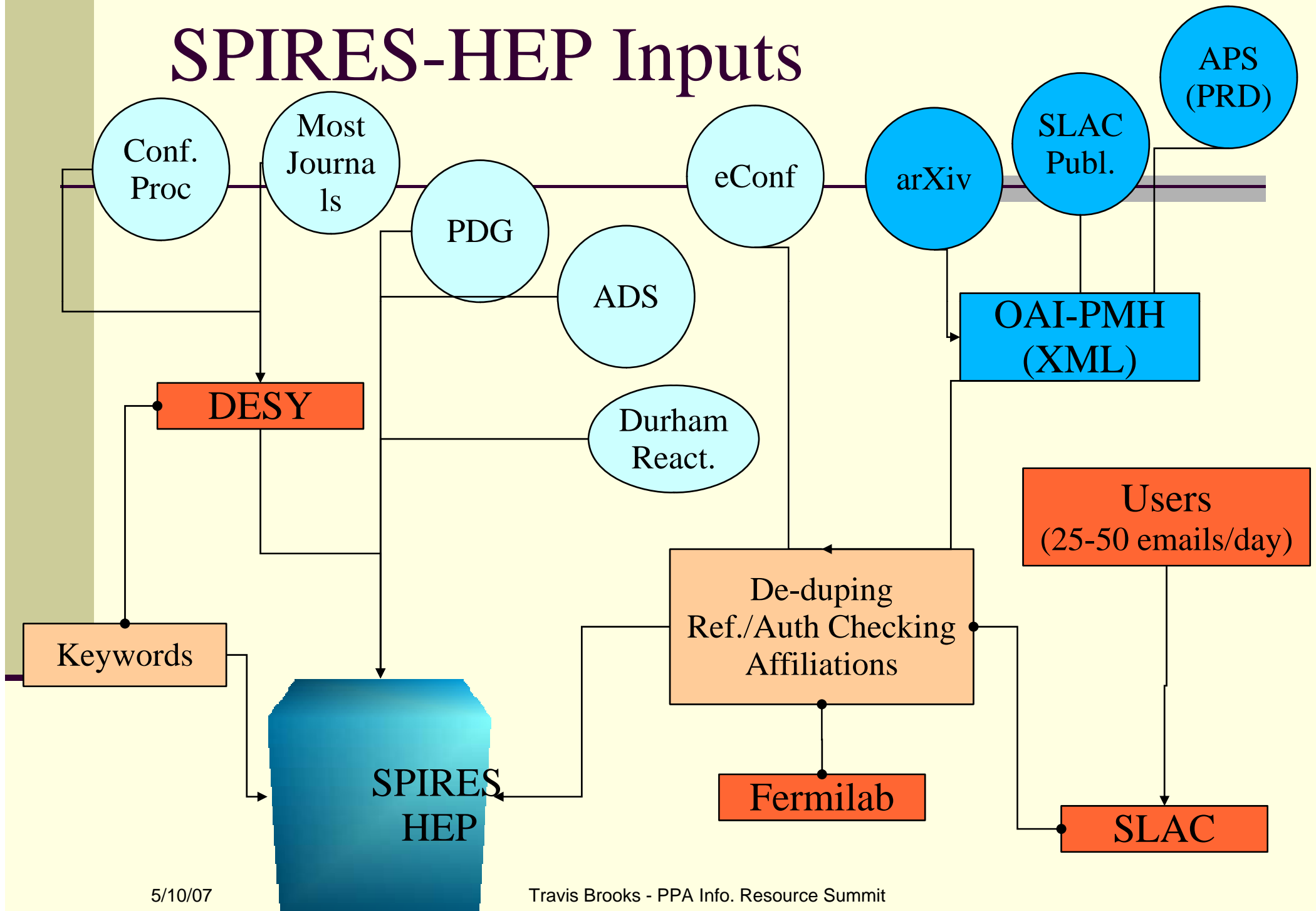
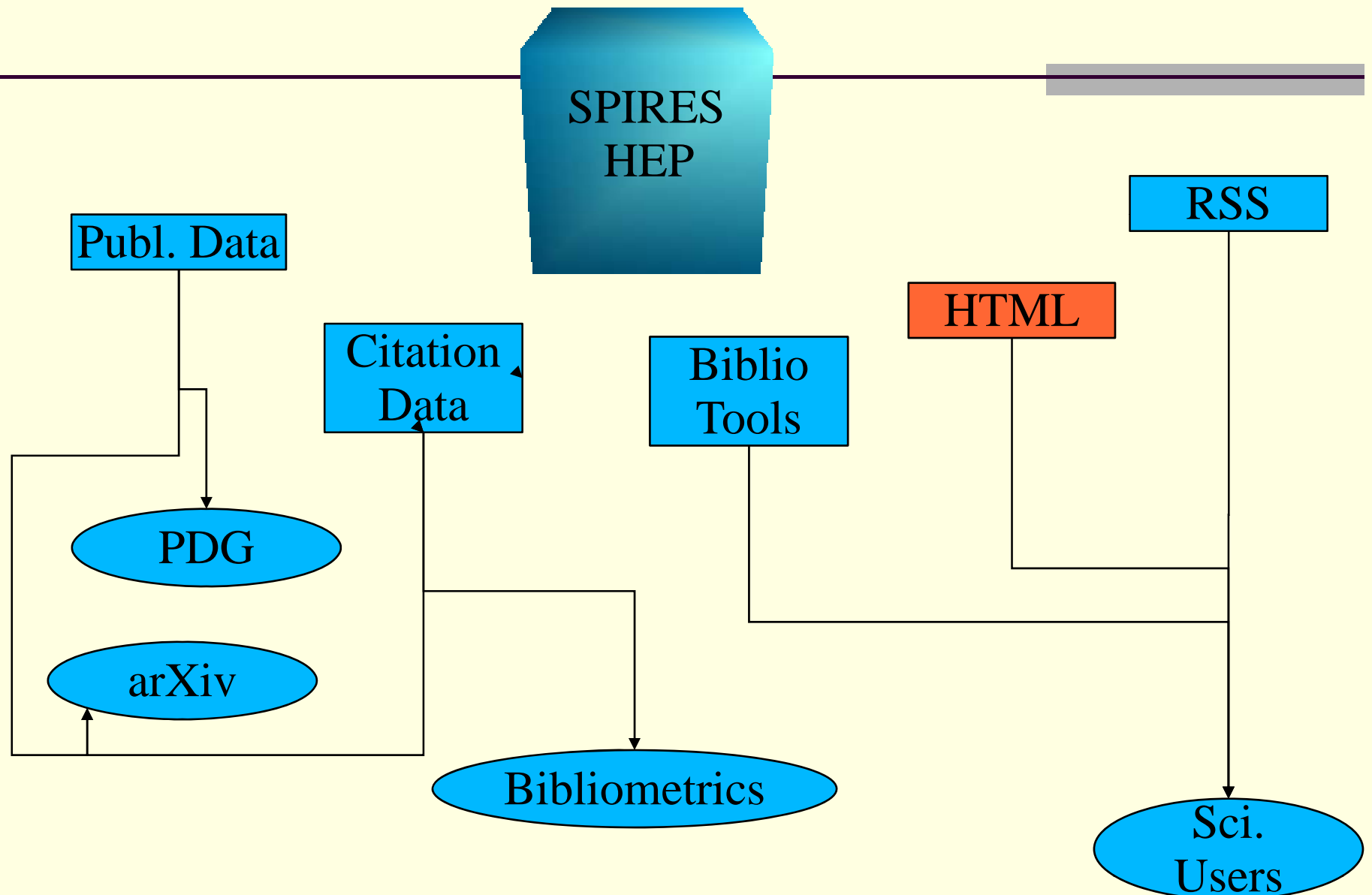

SPIRES-HEP @ SLAC

Travis Brooks
SLAC-SPIRES

SPIRES-HEP Inputs



SPIRES-HEP Outputs



SPIRES-HEP Strengths

- Accurate citation data
 - Citation counts by author, as well as by paper
- Affiliation data
 - Author disambiguation
 - Metrics for institutions
- Responsive to users
 - Corrections/Additions
 - User-suggested Features
- Brand Name (1.25M Searches/month)

SPIRES-HEP Weaknesses

- Aging infrastructure
 - DBMS 40 years old, essentially unsupported
 - *Big ball of mud* architecture
 - Not so nimble anymore...
- Fussy search syntax
 - Vast metadata mostly not searched

Collaborations

- SPIRES-HEP is SLAC+DESY+Fermilab with input from Durham U.
- OAI-PMH harvesting with
 - APS, arXiv
 - working on IOP, JHEP, others
- PDGLive interlinking coming online soon
- ADS journal/eprint correspondences have been discussed
- Further projects with any number of people in the room!

Future Plans

- More flexible, modern architecture
- Authoring tools
- Better search/retrieval interface
 - Timeline reports
 - Web services
 - Collaborative Filtering
- Better author tracking based on affiliation and experiment history