NOTES

Hanisch

- Astronomy: 70 data centers, 10K data resources, 0.5 Pb data/yr, request rate of 1Pb/yr; distributed and heterogeneous data
- Virtual data requests require computation on the fly
- Data archives are central to astronomy today => no longer "second-class science" => archival research depends on Open Access
- Virtual Observatory is primarily a tool for data discovery, access, and integration
- The publications in astronomy are a fundamental part of the research itself
- What's next:
  - Long tail of data distribution
  - Long tail of astronomer distribution
  - Programmable Virtual Observatory (VO)
  - Scalable VO
- Data are both real and virtual in the VO
- Working to enrich data sharing and publishing infrastructure

Hulsey

- Who owns the data? Who's responsible?
- It's your [i.e., librarians’] responsibility to get the word out about the tools available to scientists.