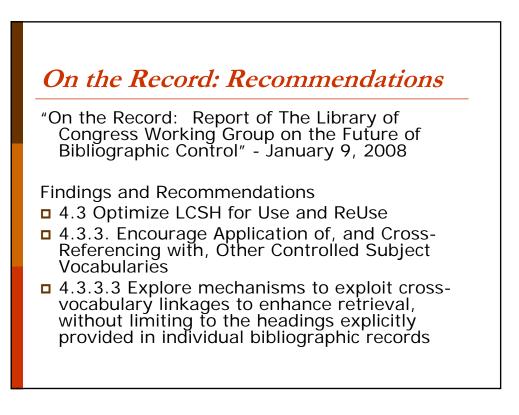
Experiences in Mapping Multiple Vocabularies in Agriculture

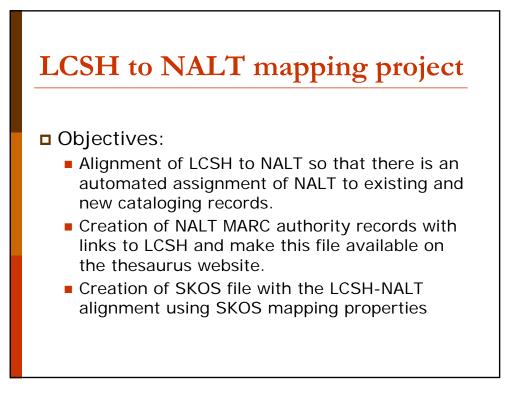
Lori Finch National Agricultural Library Ifinch@nal.usda.gov

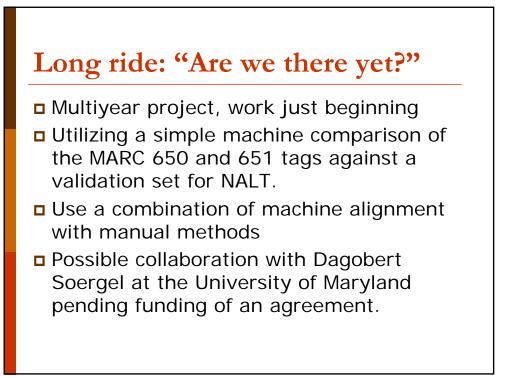
> Presented at the joint CENDI / NKOS event at the World Bank "New Dimensions in Knowledge Organization Systems" September 11, 2008

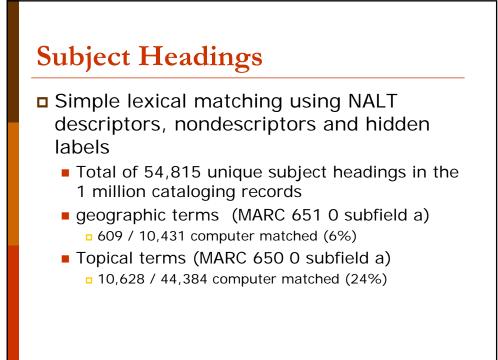


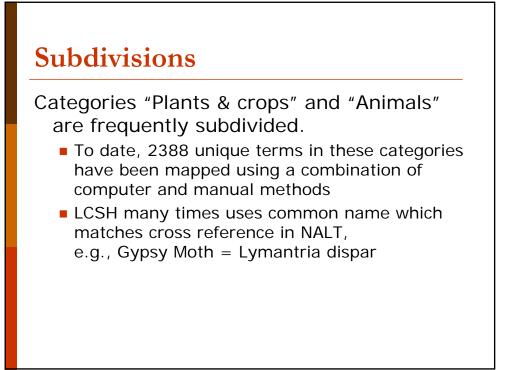


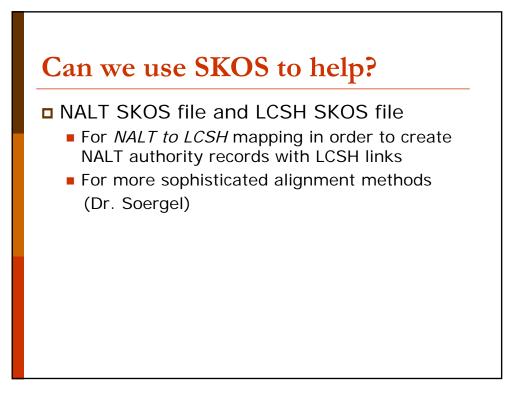
- AGRICOLA 5 million bib records
- LCSH used for cataloging of books and other media
- NALT used for indexing of articles, signed chapters, etc.
- It would be beneficial to the Library's patrons if they could conduct simultaneous subject searches in both the "Books" and "Articles" catalogs no matter which thesaurus is used.

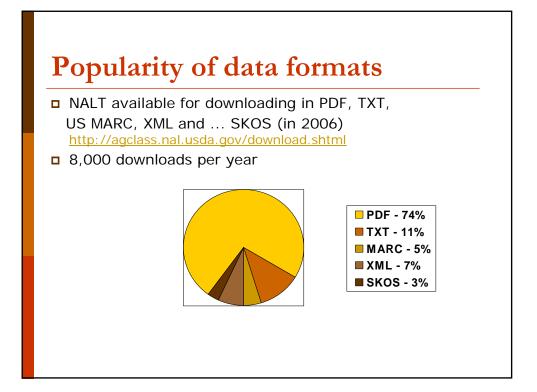


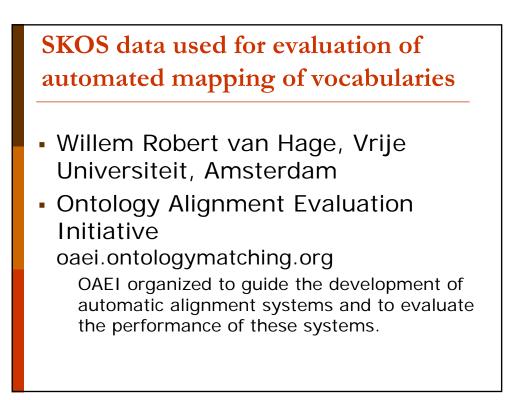






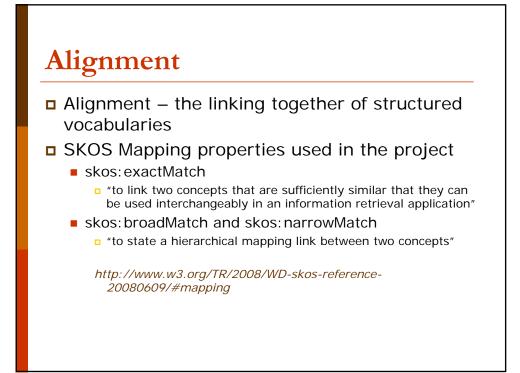






OAEI Food Task

- OAEI consists of a number of tasks that each focus on a different kind of ontology e.g., anatomical ontologies, web directory structures, thesauri, etc.
- The Food Task is about aligning thesauri in the domain of agriculture, fishery and the environment
 - 2006 align two: AGROVOC and NALT
 - 2007 align three: AGROVOC, NALT, GEMET



Participants

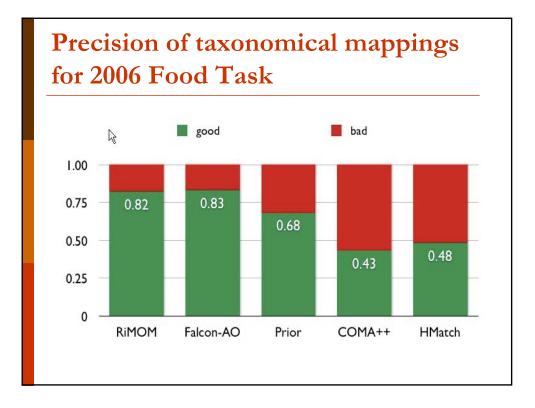
5 Computer applications in 2006

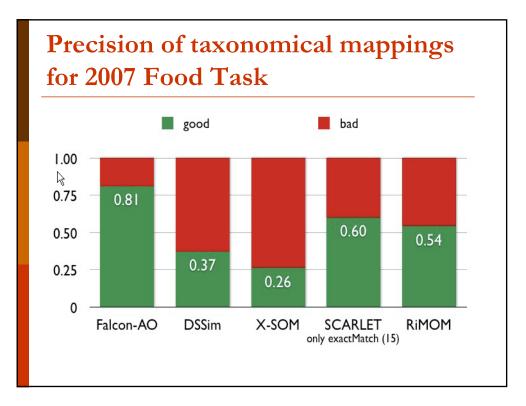
- Falcon-AO South East University
- RiMOM Tsinghua University
- Prior University of Pittsburgh
- COMA++ University of Leipzig
- HMatch University of Milan

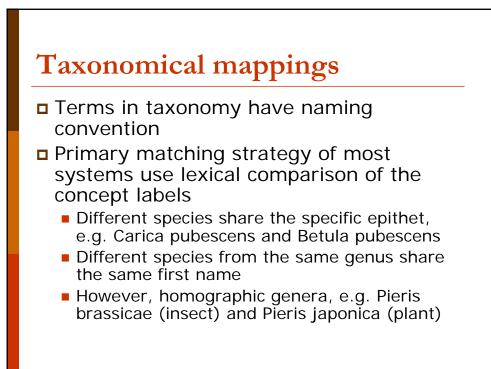
Human mapping

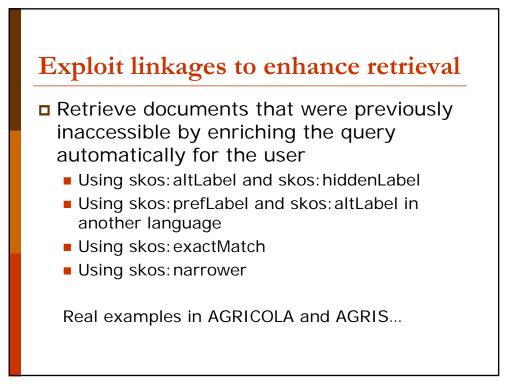
- Manual mapping performed to evaluate performance of computer methods
- Manually mapped a sample 7% of terms
- Participants used an online tool developed by Willem for the mapping

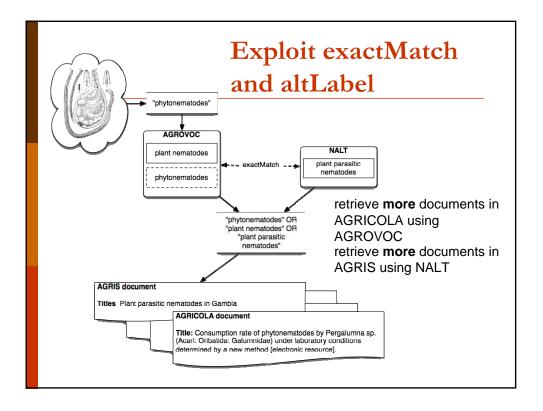


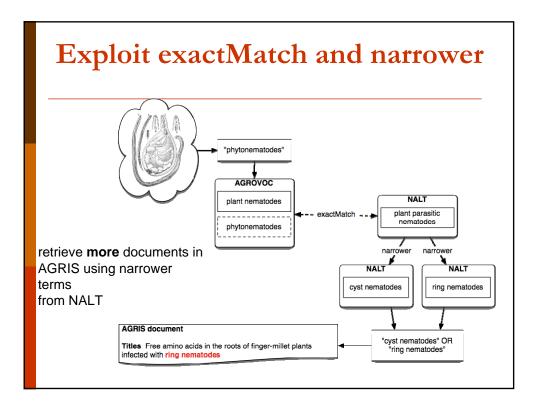












Summary

- Consider using SKOS to share your data with the world
- □ If you are taking on a mapping project,
 - Consider who can help you with automated methods
 - Consider if there are conventions in data subsets that be exploited to ultimately improve mapping performance
 - Use SKOS mapping properties to express linkages
- Explore mechanisms to exploit linkages to enhance retrieval