I. The Problem
Can data migration from print to web allow for more efficient user navigation?

- Efficiency: as measured by shortest time, least number of steps, and fewest mistakes
- Navigation: user actions in search of specific data or goal

II. Background
- A MSU History Dept. led NSF grant comparing copper mines in Ashio, Japan and Anaconda, MT
- Data sources spanned newspapers, journals, photos, books, etc.
- For public use, this data had to be collected and re-organized in a digital archive

III. Methodology
- Will present 10 non-trivial tasks involving searching through data for specific information for both print and web
- Will record the time to completion, number of steps taken, and number of mistakes
- Will compare across domain-familiar and unfamiliar user groups of size ten

IV. Projected Results
- Web organization is projected as 42% more efficient
- Search time will be uniform across user groups

V. Future Work
- Design a more complete meta-data structure
- Increase the size of the archive and allow more data source types
- Extend across multiple domains and research topics
- Compare similar digital representations of data for differing search efficiencies