Rich-Prospect Interfaces

1. Some meaningful representation of every item in the collection

2. Tools for manipulating the display

3. Tools should rely on information emergent from the collection

4. Where possible, more than one form of representation should be available

5. The representations should link to more data
Meaningful representation

• useful representation

• a variety of elements

• the user can swap one for another, or also mix and match

• NSERC Discovery Grant
Research life cycle

- Theory and sketches (user study with perception questions or affordance strength vector questions)
- Prototypes and user study (often qualitative; Sless’s constructivist diagnostic)
- Development and log analysis
Transferability

• Chow and Ruecker

• generalizable for science; transferable for design?

• goal: study the principles and the details

• design families of browsing interfaces:
  - Watching the Script
  - Digital Playbook
  - Community Traffic

Stéfan Sinclair, Anthony Sapp, and Stan Ruecker
Watching the Script

- Dynamic blocking and reading of plays
- TEI encoding provides structure and emergent tools for selecting portions of the document
- Online prototype stage
- Actors, directors, and students
- Ruecker, Gabriele, Sinclair, Radzikowska, Roessler, Sapp, Uszkalo

Stéfan Sinclair, Anthony Sapp, and Stan Ruecker
Digital Playbook

- Dynamic blocking and viewing of football
- Sketches only; Players, coaches, and fans
Community Traffic

- Simulating and modeling traffic flow
- Sketches only
- Drivers, city planners, community groups
Mandala

- Nuanced browsing of XML-encoded data
- Collections or individual files
- Items begin around the perimeter
- Items drawn in by magnetic attractors defined by the user, based on the XML
- Each attractor has a variable strength under user control
- Originally about collection structure; now something completely different
- Online prototype stage
- Cheypesh, Pacher, Gabriele, Sinclair, Ruecker
1. Rich prospect
2. Representation
3. Research life cycle
4. Transferability
5. Watching the Script
6. WtS Demo
7. Digital Playbook
8. Community Traffic
9. Mandala
10. Mandala demo
11. Thank you
Thank you

• Killam Trust
• Harriet Winspear Foundation
• SSHRC
• NSERC
• McMaster University
• University of Alberta
• TAPoR

Stéfan Sinclair, Anthony Sapp, and Stan Ruecker