Next-Generation Digital Libraries

Jason A. Clark
Head of Digital Access and Web Services
Montana State University Libraries
What you’re in for...

- A discussion about the networked research environment and the role that emerging "push" technologies have for digital libraries
- An overview of a new type of digital library application
- Lessons learned through the launch and reaction to this digital library application
The Project: TERRA

- TERRA: The Nature of Our World
- Published weekly via FeedBurner, iTunes, blip.tv, and the TERRA Web site(s) itself
- Documentary video shorts about science and natural history. Recent episodes include films about the Exxon Valdez oil spill, miracle medicines from the Amazon, and a look at the Mongolian snow leopard.
- Partners: Montana PBS, the MTA Department at MSU, and various independent filmmakers, MSU Libraries
The Sites: TERRA

- A digital library with commenting, ratings, forums, tags, and multiple subscription/delivery options wrapped up with AJAX (Asynchronous JavaScript and XML) functionality and a Dublin Core metadata backend.
- Social networking: “Related Shows” tab that groups similar videos together (similar to the popular Amazon.com feature “Users who liked this book also liked...”) and a rating system allowing users to weigh in on a video’s quality or value to the TERRA community.
- SXSW, Webby Award
- TERRApod
Trust your Users

- Lesson one: Trust your users and learn from them.
- Listen and build into design
Build a Community

- Lesson two: Build a community around your services
- Engage your community - comments, forums, ratings
Open source, Open Data

- Lesson three: Use open source and open data standards.
- Rely on free software and widely supported data structures, such as XML, for the underpinnings of the Web site.
Lesson four: Release early and often.

Focus on the essential functionality and building feedback loops into your application.
Lesson five: Find a way to broadcast your content.
Push your content into many corners of the Web - iTunes, RSS, ATOM, Google sitemaps XML
Standardize Your Data

- Lesson six: Standardize your data for others to use.
- Feeds (RSS, ATOM) as a format for content distribution.

A Look Ahead...

- True user participation - creating videos
- mobile apps and widgets
- embedding and linking

http://lifeonterra.com
http://terrapodcast.com
http://liveonterra.com
Questions?

Jason A. Clark
Head of Digital Access and Web Services
Montana State University Libraries
jaclark@montana.edu
www.jasonclark.info
406-994-6801