

## 2008 WebWise Conference Demonstration Projects

**Thursday, March 6**

**10:00-10:45 AM**

### **1) George Mason University, Center for History and New Media**

**Sharon Leon**

[sleon@gmu.edu](mailto:sleon@gmu.edu)

#### ***Omeka: Exhibit Collections Online in the Age of Web 2.0***

The Center for History and New Media at George Mason University project is creating OMEKA, a next-generation Web publishing tool that will enhance the ability of museums to showcase their collections and content online. OMEKA is designed specifically for smaller history museums, heritage societies, and historic sites that may not have the resources or expertise to create and maintain their own online tools. This open-source Web tool will offer an easy, professional, and state-of-the-art way for museums to display their content online. It will provide a standards-based interoperable system to share and use digital content in multiple contexts.

<http://www.omeka.org>

### **2) Rochester Institute of Technology, Image Permanence Institute**

**James M. Reilly**

[jmrpph@rit.edu](mailto:jmrpph@rit.edu)

#### ***Web-Based Environmental Risk Analysis for Museums and Libraries (WEBERA)***

The Rochester Institute of Technology's Image Permanence Institute is investigating a Web-based system for environmental risk analysis called WebERA. The study and tool together respond to the IMLS-supported Heritage Health Index study, which found that over 60% of collection-holding institutions report damage to collections from inadequate environmental storage conditions. Using a pilot group of 10 museums and five libraries, the project shows how museum and library environments can be evaluated and monitored through Internet connections. The goal of the project is to determine what features in the environmental risk management system are most valuable and, ultimately, to offer WebERA as a public service to the museum and library community.

[www.myclimatedata.org](http://www.myclimatedata.org)

### 3) CDP@BCR

**Leigh Grinstead**

[lgrinste@bcr.org](mailto:lgrinste@bcr.org)

#### ***Point, Click, Listen: Sound Model Demo***

Managed at the University of Denver a CDP project team of library and museum professionals developed an adaptable Sound Model for a shared statewide infrastructure for audio resources. The program provides central streaming services for participating institutions and centralized storage of audio files for institutions lacking their own capacity. Users can enter a search term in a traditional metadata catalog and receive a list of audio files containing search terms and listen to the entire piece. Alternately, search terms will generate transcripts on the fly to help users locate and listen to specific occurrences within the audio file. Teacher resources were also created for audio files within the collection. The demonstration will include discussions of best practices, lessons learned, sample worksheets, processes for submitting files, file naming conventions, and workflow.

<http://www.cdpheritage.org/project/soundmodel/index.html>

Digital Audio Best Practices:

[http://www.cdpheritage.org/digital/audio/documents/cdp\\_dabpv2\\_1.pdf](http://www.cdpheritage.org/digital/audio/documents/cdp_dabpv2_1.pdf)

### 4) University of Florida Center for Library Automation

**Priscilla Caplan**

[pcaplan@ufl.edu](mailto:pcaplan@ufl.edu)

#### ***DAITSS Preservation Repository***

Cultural memory organizations providing online access to their collections must also preserve their digital content as part of their responsibility for collection stewardship, whether these resources are “born” digital, converted from at-risk formats such as sound recordings, or serve as security copies in the event of loss or damage of originals. DAITSS (Dark Archives in the SunShine State) is an open source, OAIS-conformant preservation repository application that implements the preservation strategies of normalization and format migration and is suitable for the long-term preservation archiving of text, image, audio and video materials. It is a "dark archive" with no public user interface, usable as a preservation back-end to digital library or institutional repository systems. DAITSS has been in use by the Florida Digital Archive since 2005; the DAITSS software is now freely available for implementation as Web services and for integration with externally developed preservation tools.

<http://daitss.fcla.edu/>

## **5) University of Missouri-St. Louis**

**Louis Gerteis**

[gerteis@umsl.edu](mailto:gerteis@umsl.edu)

### ***Build A City***

The University of Missouri-St. Louis partnered with three museums in St. Louis--Campbell House, Old North St. Louis Restoration Group Museum, and Museum of Westward Expansion--to develop a toolkit that enables non-technical users to employ three-dimensional imaging technology to create interactive museum exhibits. The technology enables the creation of virtual cities, buildings, streets and similar settings. Museums can use these 3D representations to help visitors understand the historical context of places represented in their collections and exhibits. Each of the museum partners presented a different need that the toolkit had to address, and each of these applications will be described in the demonstration. The toolkit allows museum staff to create presentations on a Web site or within an exhibit space as a stand-alone display.

<http://vcities.umsl.edu/>

## **6) Virginia Polytechnic Institute and State University, University Libraries**

**Annette Bailey**

[afbailey@vt.edu](mailto:afbailey@vt.edu)

**Godmar Back**

[godmar@gmail.com](mailto:godmar@gmail.com)

### **Developing customized browser plugins with the LibX Edition Builder**

LibX is an open-source browser plug-in for Internet Explorer and Firefox that allows users to search library resources from anywhere. LibX includes features such as a toolbar for direct access to the library catalog, context menus that dynamically adapt to what the user has selected on a page, OpenURL support, COinS support, support for off-campus proxying, automatic behind-the-scenes Google Scholar integration, custom catalog and database configurations, and web localization functionality that enrich user pages with local library information and links. LibX places access to library resources in a user's "webflow" and makes it easy for users to discover resources in the library.

This demonstration will focus on the LibX Edition Builder, funded by a National Leadership Grant. The Edition Builder provides an interface for librarians to effortlessly build a customized LibX edition for their library's user community. As a result, any library, with a minimal investment of time, can integrate its resources into the user's browser for seamless access. In the first four months after the Edition Builder was released in 2007, the number of libraries who have created a LibX edition using the LibX Edition Builder has grown to more than 240.

<http://www.libx.org/>

**3:15-4:00 PM**

**7) Minnesota Historical Society**

**Robert Horton**

[robert.horton@mnhs.org](mailto:robert.horton@mnhs.org)

**Lesley Kadish**

[lesley.kadish@mnhs.org](mailto:lesley.kadish@mnhs.org)

***The True North Project: Mapping Minnesota's History with Online GIS***

The Minnesota Historical Society provides geography teachers with the tools they need to meet the state's graduation standards for geography through *True North*, a web site that uses a Geographic Information Systems (GIS) application to integrate history and geography. It integrates more than 200 Minnesota map layers and remote databases into a free online tool. The layers include modern demographic, environmental and economic maps as well as historical maps and data-based representations of historic events, such as Dakota War battle sites and regions devastated by the 1870s grasshopper plagues. Users can view, create, overlay, re-color and print maps, while the site automatically links thematic maps to additional historic resources such as photographs and archival material. To tie these resources together comprehensively for teachers, *True North* offers lesson plans for grades 4-8 and lesson guidelines for grade 9-12 classrooms. The demonstration will cover 1) the institutional context and business case that made the project possible, attractive and sustainable, and 2) the online application and its audience, including the content, technology and users. While the site is customized for grade 4-12 teachers, the content and tools can be widely applied by users with a variety of needs.

[www.mnhs.org/truenorth](http://www.mnhs.org/truenorth)

**8) Red Butte Gardens and Arboretum**

**Eddy Dawson**

[edawson@redbutte.utah.edu](mailto:edawson@redbutte.utah.edu)

***From Signs to Satellites: A High Tech Interpretation System for Botanic Gardens***

Red Butte Garden is developing a hand-held interpretation system for the public that for the first time provides visitors a window into our collections data, a vehicle for delivering stories about our living museum objects, and a GIS powered navigation system for which to explore our garden's treasures.

## 9) Stephen F. Austin State University

**Rachel Galan**

[rgalan@sfasu.edu](mailto:rgalan@sfasu.edu)

### ***TIDES (Teaching, Images and Digital Experiences)***

The Texas Tides Digital Learning Consortium (Texas Tides) increases access for educators, students, and other researchers to primary resources related to east Texas, with emphasis on history, science, and multicultural resources. The TIDES Program weaves Web 2.0 conventions, web design, project imaging, project metadata, streaming video, resource translation, K-12 curriculum creation and information literacy resources into a useful resource for K-16 teachers, students and other users. The project demonstrates how regional projects can integrate resources with larger state or national projects through compliance with current imaging and metadata standards.

<http://tides.sfasu.edu>

## 10) University of California, Berkeley, School of Information

**Ray R. Larson**

[ray@ischool.berkeley.edu](mailto:ray@ischool.berkeley.edu)

### ***Bringing Lives To Light: Biography in Context: Browsing and Searching Biographical Information and Events with a Metadata Infrastructure***

This demonstration will show how a metadata infrastructure comprised of gazetteers, biographical dictionaries, and a “Time Period Directory” can help searchers navigate through multiple web-based resources and display these in context with related information about “Who?, What?, Where?, and When?”, thus providing dynamic searches of those external resources. The demonstration will show both a web-based interface and a Google Earth-based geo-temporal browser. Chronological, geographical and biographical data lend themselves naturally to being connected: an event is associated with a place, a time and potentially with particular people; places are associated with different events and people; and individual people are also associated, in a variety of ways, with different places and events. The prototype Time Period Directory is a metadata infrastructure for named time periods linking them with their geographic location as well as a canonical time period range, in conjunction with other local databases and web-accessible data.

<http://ecai.org/imls2006/>

## 11) University of California, Irvine, Humanities Research Institute

**Richard Marciano**, San Diego Supercomputer Center

[marciano@sdsc.edu](mailto:marciano@sdsc.edu)

### *T-RACES: Testbed for the Redlining Archives of California's Exclusionary Spaces*

In collaboration with the San Diego Supercomputer Center, the UCHRI is making use of a new “humanities grid” to preserve, analyze and make publicly accessible online documents relating to the practice of “redlining” neighborhoods in eight California cities in the 1930s and 1940s, in which minority neighborhoods were flagged as undesirable for home loans. The Testbed for the Redlining Archives of California’s Exclusionary Spaces (T-RACES) project will allow a central catalog to manage the preservation metadata for each city’s electronic file of neighborhoods and will be accessible from any personal computer. The infrastructure will make the redlining documents accessible alongside a rich array of relevant information drawn from census tract data, municipal ordinances, and insurance protocols, allowing researchers to ask broader questions about the context, origins, and legacy of redlining. The demonstration will explore various interfaces to facilitate the reuse of this data in community settings, enabling users to discover history from different points of view by browsing the documents themselves, viewing maps, querying databases, and linking components of the collection. The demonstration includes Google Earth-type interfaces in which users can blend their own layers of interest with the official project content.

<http://salt.sdsc.edu/T-RACES>

## 12) Walker Art Center

**Susan Rotilie**

[susan.rotilie@walkerart.org](mailto:susan.rotilie@walkerart.org)

### *ArtsConnectEd 2: A Process for Partnership*

The Walker Art Center and the Minneapolis Institute of Arts are collaborating to redesign the ArtsConnectEd Web site. The first version, created in 1998, was highly successful but required updating to respond to new technologies and needs. The project is transforming the site into a dynamic open-source site that allows museum educators to create and manage the content of the site’s educational material and respond more directly to teacher needs. It also gives teachers the resources and flexibility to revise the content for their own classroom needs. The new ArtsConnectEd will launch early 2009.

We have developed a project planning web site at <http://ace2.artsconnected.org>