Displaying Resources in Context:
Using Digital Libraries to Support Changes in Undergraduate Education

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Displaying digital library resources in portals that address specific educational issues provides context needed to motivate and support changes in teaching practice while capitalizing on the strengths of digital libraries for resource management and display.

Websites Exploring Portal Content

Making a Case for Change
However a faculty member lands in the site, it is important that they find compelling arguments that encourage them to improve their teaching.

A Full Suite of Resources
Faculty considering a change in their teaching practice may be encouraged to move forward by finding resources that make the change easier. These include both teaching materials and information on implementation.

Providing a Forum for Discussion
Topical list servers provide a mechanism for communication between faculty or between faculty and developers. To date, these venues receive sparse use primarily to make announcements or ask short answer questions.

Using Data in the Classroom

Teaching Quantitative Skills in a Geoscience Context

Site Development Tools Exploring Portal Development

- Exploit DLESE Cataloging System and OAI protocols for resource management and sharing
- Enable tracking and cross-referencing of resource links
- Enable distributed portal authoring without html expertise

Educators looking for teaching resources

Resource Record

Educators can find our sites via DL search interfaces

Links between resource records and resource references in context.

Resource Rich Website

Site Dynamically Generated from CMS

Educational Digital Libraries

Content Management System

OAI

Resources easily incorporated from local catalog into CMS

Digital Library Tools

DLESE Cataloging System
OAI Tools
Local Catalog integrated with CMS

Web-based CMS enables distributed site authoring

Content Experts creating websites enhanced with digital library resources