

The Instructional Architect (IA): An Instructional Service for the NSDL

Mission

- Digital libraries, teachers, and students working together
- Find, assemble, and annotate digital resources and activities
- Building communities of teachers and learners

Partners

- NSDL
- smete.org
- National Library of Virtual Manipulatives
- Digital Library of Earth System Education

Personnel

Mimi M. Recker, PI
(mimi.recker@usu.edu)
Jim Dorward
David Wiley
Jaeyang Park
Andy Walker
Ye Liu
Bart Palmer
Sam Halioris

Features

- Robust and intuitive portal
- Allows teachers to discover, select, sequence, annotate, and reuse NSDL learning resources for instructional purposes
- Employs digital library interoperability specifications
- Developed using open source software



Evaluation

- User-centered design & program theory evaluation model
- Methods: needs assessment, expert review of the prototype interface, testing by members of the target audience, and a case study of K-12 teachers' use of IA and NSDL

Future Development Plans

- Access management
- Project sharing
- Instructional support
- Compliance with W3C Web Content Accessibility Guidelines, open standards, and SCORM
- A web service that enables any digital library user to access IA

Future Dissemination Plans

- Develop and evaluate IA, NSDL workshops and online curriculum with pre-/in-service teachers and school library media specialists
- Continued, regular release of source code