# NSDL 2.0

## Tools for working together, reaching out and building capacity

The National Science Digital Library (NSDL) project was created by the National Science Foundation "to provide organized access to high quality resources and tools that support innovations in teaching and learning at all levels of science, technology, engineering, and mathematics education."  The NSDL Core Integration (CI) team is a collaboration of three institutions: Cornell University designs and implements the technical infrastructure and tools for the library, Columbia University provides for authentication and handles publisher relations, and the University Corporation for Atmospheric Research manages outreach, relationships with NSDL Pathways partners, and the NSDL.org website.

NSDL released its second major version of the library, NSDL 2.0 in 2007. The architecture for this version, based on the Fedora repository system, supports a number of significant new features. Taken together these tools build a web of context around and among resources in the library. This context can include such things as organizing a set of resources into a lesson plan, correlating resources to educational standards, annotating resources with reviews and relating them to current events or other work in the field.

Over the same period NSDL has also made significant organizational changes. These include providing integration and support for ten audience-specific Pathways partners, who now form the main channel of communication with NSDL users, as well as increasing organizational capacity to expand collaborations with external partners, including the National Science Teachers Assocation (NSTA),Digital Learning Sciences, the American Museum of Natural History, New York Hall of Science, DELOS, the Association of Science-Technology Centers (ASTC), and many others.

**Adding Context to Resources in the Library Through NSDL's Blogosphere**

### EXPERT VOICES

*http://expertvoices/nsdl.org*

Expert Voices is an open source system that uses weblog technology and discovery team models to support collaborative STEM conversations among content experts, scientists, teachers, and students from key NSDL audience groups: K12 teachers, university faculty, librarians, and library builders. Moderated conversations are designed to tie NSDL resources to science news, provide context for resources to enhance discovery, selection and use, and enable contributors to see themselves as beneficiaries of a rich exchange of information among diverse stakeholders.