

## **NSDL 2.0: Tools for Working Together**

The key component of NSDL 2.0 is the NSDL Data Repository (NDR) implemented using Fedora, an open source, flexible, extensible, digital object repository architecture. This new *architecture of participation* integrates collaborative spaces that make use of bookmarking, tagging, wikis, blogs podcasts and RSS feeds to capture contextual information contributed by users to imbed NSDL resources in a web of educational context.

### 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.

### Our NSDL

*In development, beta release in 2007*

OurNSDL builds on open source media wiki technology to allow communities of users to create, annotate, and organize NSDL resources. augmented with plug-ins and extensions to fully integrate the application with the NSDL Data Repository. The wiki tools are initially intended to be used by authorized NSDL partners and projects working with a target audience of undergraduate and graduate students, educators, and researchers. Partners can incorporate these tools into their own projects' wiki environment, or they can use the services on the centrally-maintained OurNSDL wiki.

### On Ramp

*In development, beta release in 2007*

On Ramp is an NSDL 2.0 Content and Communications system that brings editors, authors, reviewers, photographers, and media specialists together to create, manage and widely distribute content. Using On Ramp system automate the re-use and re-release of content to blogs, email newsletters and additional web displays for multiple audiences. On Ramp allows users to gather parts of library content into an entirely new context.

## **NSDL Pathways Represent over 100 National Organizations, Institutions and Societies**

[http://nsdl.org/resources\\_for/library\\_builders/?pager=pathways](http://nsdl.org/resources_for/library_builders/?pager=pathways)

NSDL's Ten Pathway partners provide access to discipline-specific views of NSDL resources and services through their web portals. Pathway audiences may be grouped by grade level, discipline, resource or data type, or some other designation. Pathways represent a strategy for building NSDL in a manner that best supports efficient resource discovery for broad categories of users. Pathway portals are developed and managed in partnership with organizations and institutions that have a history and expertise in serving their portal's target audiences—in effect, they act as reference librarians for their communities. These partnerships enhance the educational character of NSDL and demonstrate the value of NSDL in a variety of educational settings.

## **NSDL Partnerships: Building Communities of Contributors and Collaborators**

Partnerships with national agencies are being expanded and agreements with science education publishers are adding new content to NSDL and enlarging its role nationally. NSDL is creating alliances with museums such as the American Museum of Natural

History (AMNH), and other centers of information about education such as the National Science Teachers Association (NSTA). NSDL serves as a provider of resource content for these organizations and their education initiatives and activities, offers advice and assistance in the development of special collection, and acts as a dissemination mechanism for educations and outreach efforts.