

THE NATIONAL SCIENCE DIGITAL LIBRARY

NSDL Technical Systems Transition



Overview of technical systems transition

September 8, 2011



NSDL Technical Systems Transition

- Technical systems are being moved from Cornell to a combination of Cloud and UCAR based hosting services
- Goals:
 - Position the library for a sustainable future
 - Streamline technical operations for efficiency
 - Maintain operations during the transition with minimal impact on users
 - Complete by late fall, 2011

What's Staying the Same

- NSDL.org site presence will remain the same
- Search API will remain the primary access point to the NSDL repository and index
- OAI and the NSDL Catalog System (NCS) will continue as the primary mechanisms to get collections into NSDL (metadata, paradata, annotations, etc.)
- Handle Service will continue for unique IDs

What's Changing

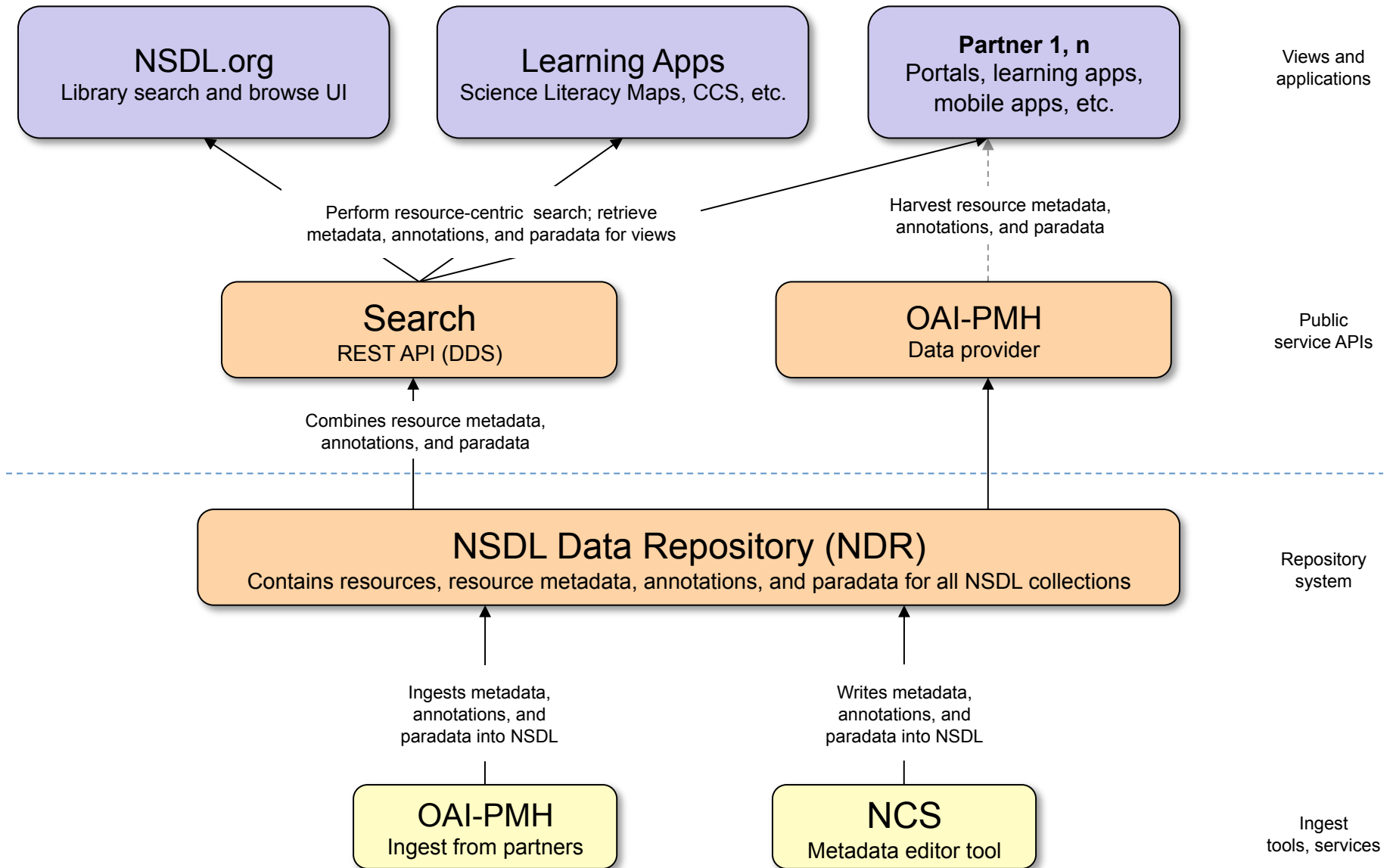
- The NDR system will be decommissioned
 - Significantly simplifies our operational overhead
 - Removes duplicate functionality
- ExpertVoices, NSDL Wiki, and OnRamp will be decommissioned
 - All blogs and content will be moved to other places, archived, or deleted.
 - We are working with content creators on this migration. Target date end of Sept.

Impacts for Pathways and Users

- NSDL.org Web site (search, browse, info pages, etc.) should see very little or no downtime for the final 'flipping of the switch'
- Short downtime in OAI harvesting may be necessary
 - NSDL will operate with a static version of the repository during this period, if necessary
- All content on ExpertVoices, NSDL Wiki, and OnRamp must be moved to alternatives
- NSDL technical staff will be busy during the transition period and unavailable for other work

Current NSDL Technical Platform

- Key**
- Views and learning applications
 - Repository services and APIs
 - Ingest tools and services



New NSDL Technical Platform

