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Isovera Digital Library

Software for cataloging digital libraries

Funded by AAAS and NSF [DUE 0085840 / DUE 0226185]

Developed by Isovera

What is BEN?

- In 1999, AAAS along with 11 other professional organizations established the BiosciEdNet (BEN) Collaborative with funding from NSF as an NSDL Pathway
- The BEN Collaborative consists of 24 partners working together to provide an array of peer reviewed materials to the scientific community
- BEN partners include: AAAS, ABLE, AIBS, APS, ASBMB, ASCB, ASHG, ASM, BCC, BI, Bio-Link, BSA, DNALC, ESA, FUN, HAPS, MBL/MSU, NHM-AE, SDB, SICB, SOT, STKE, VIDA

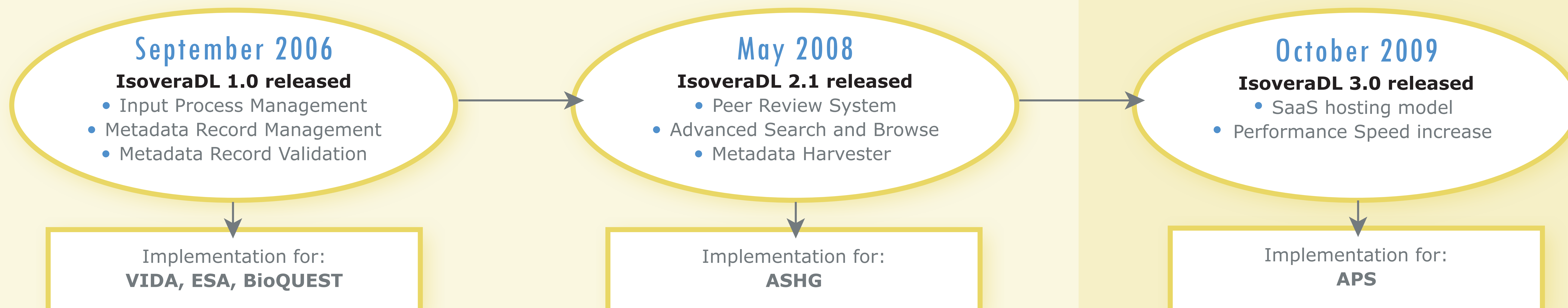
Why IsoveraDL?

- The IsoveraDL initiative has been taken to resolve the lack of synergy, high maintenance costs, high start-up costs, and poor peer viewer systems
- The goal is to provide digital library software that is easy to install yet robust enough to handle complex tasks in a cost effective solution

IsoveraDL

- Digital library setup can be performed by managers, not developers
- Default customization for BEN-LOM
- Customize metadata structure, controlled vocabularies, user profiles
- Supports dynamically building record submission forms
- Support for multiple sub-collections on a single implementation, E.g. APS will incorporate HAPS, SDB, NAHSEP, Physiology for the 21st Century
- Modular design including components for: Peer Review, Harvester Exporter, Search and Browse

The Story So Far...

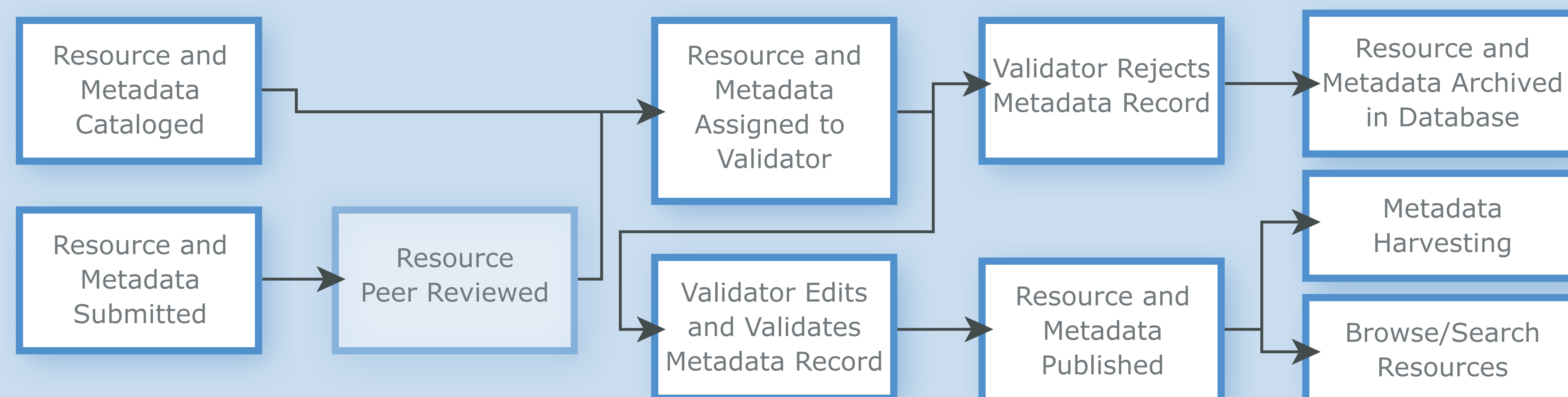


IsoveraDL Future

The IsoveraDL Peer Review Component

- Highly customizable
- Create your own forms, workflows, reviewer groups
- Edit workflows without having to worry about existing records in the workflow
- Use IsoveraDL controlled vocabulary to dynamically create form options
- Assign/Reassign reviews to users of multiple groups
- Set timeline for review completion
- Redirect reviews to earlier stages in the workflow
- Supports simultaneous use of multiple workflows
- Get complete history of ongoing and completed reviews
- Get user statistics and workload information to better manage task distribution

IsoveraDL at a Glance



IsoveraDL for the Digital Library Community

- Contributing partners are able to set up digital libraries without editing code
- Open source technology standards used are familiar to the digital library community
- Allows efficient integration of records to the BEN portal
- Increases the collection of total records available to the community

Built using Open Source technologies

- CakePHP and MySQL
- CSS driven for ease of customization
- OAI-PMH 2.0 Metadata Harvesting
- Web 2.0

References

- IsoveraDL - www.biosciencednet.org/project_site
- BEN Portal - www.biosciencednet.org
- ESA - www.ecoed.net
- VIDA - www.vidacollection.org
- ASHG - www.genednetrl.org/IsoveraDL/