



About the

Biological Sciences Pathway



ADVANCING SCIENCE, SERVING SOCIETY

Collaborators

- **AAAS**-American Association for the Advancement of Science*
- **ABLE**-Association of Biology Lab Educators
- **AIBS**-American Institute of Biological Sciences*
- **APS**-American Physiological Society*
- **APS**-American Phytopathological Society*
- **ASBMB**-American Society for Biochemistry and Molecular Biology*
- **ASCB**-American Society for Cell Biology
- **ASM**-American Society for Microbiology*
- **BCC**-BioQUEST Curriculum Consortium
- **Bio-Link**-the NSF Advanced Technological Education Center for Biotechnology
- **BSA**-Botanical Society of America
- **ESA**-Ecological Society of America*
- **EntDL**-Entomology Digital Library
- **FUN** -Faculty for Undergraduate Neuroscience
- **HAPS**-Human Anatomy and Physiology Society
- **MLER**-Microbial Life Education Resources
- **NABT**-National Association of Biology Teachers*
- **NAHSEP**-National Association of Health Science Education Partnerships
- **NBII**-National Biological Information Infrastructure*
- **NLM-AE**-National Library of Medicine-Access Excellence*
- **SDB**-Society for Developmental Biology
- **SICB**-Society for Integrative and Comparative Biology
- **STKE** - *Science's Signal Transduction Knowledge Environment**
- **SOT**-Society for Toxicology*

*Founding Collaborators

Coordinating Council

AAAS

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Key Features & Related Work During Year 1

New Collaborator Management & Development

- Collaborators develop and maintain their own DL or create and maintain data that is housed at AAAS, APS, ESA, or ASM. (Subcontracts & MOUs)
- All collaborators meeting. (PPTs on BEN web site)
- Founding collaborators mentor new collaborators.

Developing and Upgrading Technical Services

- BEN is developing cataloging/submissions tools for use by the NSDL community. Documentation will be posted on the BEN portal site. (MOU or license for use)
- Technical services are provided to facilitate harvesting of a collaborator. Harvester and portal upgrades
- Developing new portal features for launch at NSDL Meeting.

Portal infrastructure upgrades --- Isovera

- Completed the requirements analysis and updated specification for the upgrade, which includes OAI-2.0 compliance and support for resource de-accessioning
- Identified MySQL 4.1 as the target platform upgrade and implemented upgrade in the development environment
- Completed the requirements analysis and developing the requirements document for a collaborators online workspace.

This upgrade supports the expansion of metadata harvesting to more BEN Collaborators and the contribution of metadata to the NSDL repository.

Challenges & Focus for Year 2

Users (Faculty Rep)

- Increasing Users
- Targeted outreach
- Tracking use of education resources

Increasing Peer Reviewed Resources

- Identifying collaborators that want to create metadata
- Increasing submissions of new resources
- Creating incentives for faculty contributors

Examining Content Gaps

Evaluation -- Understanding integration of DL resources into the postsecondary biology curriculum & what users need and how DL resources could be better used (Focus for Collaborator Meeting)