About the Biological Sciences Pathway
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
- NBI - 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
Yolanda S. George, Deputy Director
Linda Akli, Senior Program Associate
Nancy Gough, Managing Editor/STKE

AIBS
Susan Musante, Manager, Education Programs

ASM
Amy L. Chang, Director, Education Department

APS
Marsha Lakes Matyas, Education Officer
Melinda E. Lowy, Higher Education Programs Coordinator

ESA
Jason Taylor, Director of Education
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)