



## Biological Informatics Program

**Decisions** concerning the stewardship of the Nation's natural resources **require** reliable, relevant, and timely **information**. The **Biological Informatics Program** develops and applies innovative information technologies and practices to the management of **biological** data, information, and knowledge resulting from research, thereby **increasing the value of that research** to scientists, planners, policy makers, teachers, students, and private citizens.



### Goals

- Increase the availability and utility of biological resources data and information from USGS science and from other sources by stimulating and integrating relevant activities.
- Develop and apply standards, protocols, and techniques that enhance the information discovery and retrieval capabilities of the National Biological Information Infrastructure (NBII).
- Develop technologies and tools for the integration, analysis, visualization, and application of biological information to natural resources stewardship.
- Apply innovative technologies and best practices to improve the development, description, and dissemination of biological information to our customers.
- Conduct an information science research program to support the advancement of biological informatics capabilities.



### Major Projects

- National Biological Information Infrastructure ([www.nbii.gov](http://www.nbii.gov))
- World Data Center for Biodiversity and Terrestrial Ecology ([wdc.nbii.gov](http://wdc.nbii.gov))
- International Initiatives
- Gap Analysis Program ([www.gap.uidaho.edu](http://www.gap.uidaho.edu))
- USGS/National Park Service Vegetation Mapping Program ([biology.usgs.gov/npsveg](http://biology.usgs.gov/npsveg))
- My.NBII.Gov Portal ([my.nbii.gov](http://my.nbii.gov))
- Integrated Taxonomic Information System ([www.itis.usda.gov](http://www.itis.usda.gov))
- NBII Metadata Clearinghouse ([metadata.nbii.gov](http://metadata.nbii.gov))
- Biocomplexity Thesaurus ([thesaurus.nbii.gov](http://thesaurus.nbii.gov))

### Strategies

- Establish partnerships with other government and non-government organizations.
- Develop standards and methodologies for biological data collection and documentation.
- Develop information products targeted to specific user populations.
- Introduce technical applications for analyzing and integrating biological information.



### For additional information, contact:

Barbara Bauldock  
Biological Informatics Program  
Coordinator  
Tel: 703.648.4295  
Fax: 703.648.4224.  
[barbara\\_bauldock@usgs.gov](mailto:barbara_bauldock@usgs.gov)