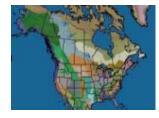


Biological Informatics Program

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

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