



Core Science Systems Overview & NBII Program Termination FWS & NPS Briefing



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U.S. Department of the Interior
U.S. Geological Survey

Overview

- Core Science Systems Vision, Mission, Goals
- CSS Program Overviews
- NBII Program Termination



USGS

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Core Science Systems

The Critical Zone

Research & Data:

- Species Occurrence
- Spatial
- Geologic

Collections, Informatics, & Libraries

Core Science Systems delivers nationally-focused Earth-system-science and information-science programs that provide fundamental research and data, **underpinning all Mission Areas of the USGS, the USGS Science Strategy, Secretarial, Presidential, and Societal Priorities.**

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Core Science Systems Mission

Core Science Systems conducts important research and underpins all USGS Missions

- Provides the geospatial baseline of the Nation’s topography, natural landscape, and built environment through *The National Map*
- Extensive and in-depth geologic research and mapping
- Provides the scientific community with an in-depth view of the geologic past
- Understanding and stewardship of information about our Nation's biological resources
- The Nation’s Library of the Geosciences
- Governmentwide leadership in best use of geospatial data, information, and technology

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Federal Geographic Data Committee (FGDC)

FGDC Secretariat @ USGS

- Basic Support for the Steering Committee, Coordination Group, and NGAC
- Intergovernmental coordination for National Spatial Data Infrastructure (NSDI) Development
- National Initiatives and Administration Priorities
 - Geospatial Platform
 - Data.gov / Recovery.gov
 - Place-Based Policies
 - Geospatial Line of Business
- Cooperative Agreements and 50 States Initiatives
- Group on Earth Observations (GEO) for GEOSS
- Technology and standards outreach and training
- Metadata
- Partnerships
- Data Clearinghouse
- International Activities

Government-wide leadership for the execution of OMB Circular A-16, EO 12906, and E-Gov Act 2002-Section 216



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National Cooperative Geologic Mapping Program

A foundational science program: determining the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of the Nation.
— NGMA 2009

- Established by National Geologic Mapping Act (NGMA) of 1992
 - Reauthorized in 2009 at \$64.0 M, reaffirming the national need
- State Grants and long-standing partnership
 - Competitive, matching funds double investment
- Education Grants
 - Training the next generation of geologic mappers; enhancing diversity
 - Competitive, matching funds double investment



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Science Synthesis, Analysis, and Research Program

- Core Science Analytics and Synthesis
 - Biogeographic Characterization (GAP, PAD, Vegetation Characterization)
 - National Species Occurrence Data and Taxonomy (OBIS, GBIF, ITIS)
 - Informatics (ScienceBase, Oil Spill Budget Calculator)
- The World's Largest Earth Science Library
 - Physical and Digital Collections including Journals and USGS Publications
- National Geological and Geophysical Data Preservation Program (NGGDPP)
- Unique Geology Laboratories
 - National Ice Core Laboratory *
 - Core Research Center
- John Wesley Powell Center for Analysis ** and Synthesis

* = Funded by NSF
** = Partnership w/NSF



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NBII Program Termination



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NBII Program Termination

- FY2011 – -\$4.15M
- FY2012 – -\$3.15M
- Impacts
 - Terminated support to 31 partners agreements including DOI Bureaus, other agencies, States, universities, NGOs, and eliminated support for 116 positions
 - Future availability of data held by partners is uncertain
 - Reduction in data and tools available to customers on invasive species, birds, pollinators and other critical resource concerns
 - Slowed development of tools for analysis and synthesis; reduced expertise available to respond to user needs



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NBII Application Options

- Partner(s) continue to Host
- Migrate to USGS based on resources & criteria
- Application removed and no longer supported



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Evaluation Criteria

1. Relevance to USGS and DOI Science and Resource Management
2. Relevance to the Core Science Systems Program Mission
3. Uniqueness of the asset
4. Availability of appropriate staff and resources to develop, manage, and maintain the asset



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Established “No Longer Supported” <http://www.nbio.gov/termination/nls.html>

The screenshot shows the NBII website interface with a prominent message: "In the 2012 President's Budget Request, the National Biological Information Infrastructure (NBII) is terminated. As a result, all resources, databases, tools, and applications within this web site will be removed on January 15, 2012. For more information, please refer to the [NBII Program Termination](#) page."

Termination of NBII Program

- About NBII Resources
- No Longer Supported
- Partner or USGS Supported

Database & Web Sites:

- Annual Tree Ring Database (1406-1999)
- Appalachian Trail Related Initiatives
- Aquatic Biota Survey Database
- Avian Influenza Workshop Website
- Conferences of Interest Database
- Cutthroat Trout Bibliography Database Application
- David Inouye Website & Database
- Department of Defense Threatened & Endangered Species
- Ecological Topics - Bird Conservation Website
- Ecological Topics - Fire Ecology & Management Web
- Ecological Topics - Genetic Diversity Website
- Ecological Topics - Invasive Species Website
- Ecological Topics - Pollinators Website
- Ecological Topics - Renewable Energy Project Website
- Ecological Topics - Threatened & Endangered Species

Tools & Applications:

- Bird Conservation Data Access Wizard
- Bird Data Previewer
- Chesapeake Bay Data Mapper
- CSA Published Literature RSS
- CWDDC (Chronic Wasting Disease Data Clearinghouse)
- Delaware River Aquatic Gap
- Eastern Brook Trout Joint Venture Mapper
- EPIZOO Epizootics Database Viewer
- Fisheries Data Access Wizard
- Houston Area Water Quality Mapping Application
- Hudson River Watershed Mapper
- Invasive Plant Dichotomous Key
- Little Yellow Creek and Gap Creek Fish Survey Data
- MAIN Data Previewer
- MidAtlantic Data Access Wizard
- Mussel and Amphibian Species (Mashup)
- NBII Integrated Search System - Raptor
- NBII Partners Toolkit
- NBII Search Engine - Raptor
- OGC services for Northeast hosted by NBII-NIN
- PrairieMap
- Rare Land Snails of the Cherokee National Forest PDF Viewer
- Southeast Regional GIS Layers
- Species Mashups
- SWAP (State Wildlife Action Plan) Species Conservation Status
- Tennessee State Parks ATBI GIS
- Vermont Specimens in GBIF Gadget
- Wetland and Seagrass Information System
- Yellowstone GIS Data
- Whirling Disease Initiative Distribution Maps

Collaboration Support & Services:

- Inter-American Biodiversity Information Network U.S. Node Website, Coordination of Information Technology Techn
- List Serv - Invasive Species Interest Group
- List Serv - Weying Basketgrass Task Force Mid-Atlantic
- Core Science Systems & Species Information Network
- List Serv - BIO ECO Working Group
- List Serv - Encyclopedia of Life North America Project



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