IndianaView Consortium

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What is IndianaView:

IndianaView is a state-wide consortium of 15 universities and institutions in Indiana. The vision for IndianaView is to facilitate and promote the sharing and use of public domain remotely sensed image data (from both satellite and aerial platforms) by Indiana universities, four-year colleges, community colleges, K-12 institutions, libraries, museums, government agencies and the private sector.
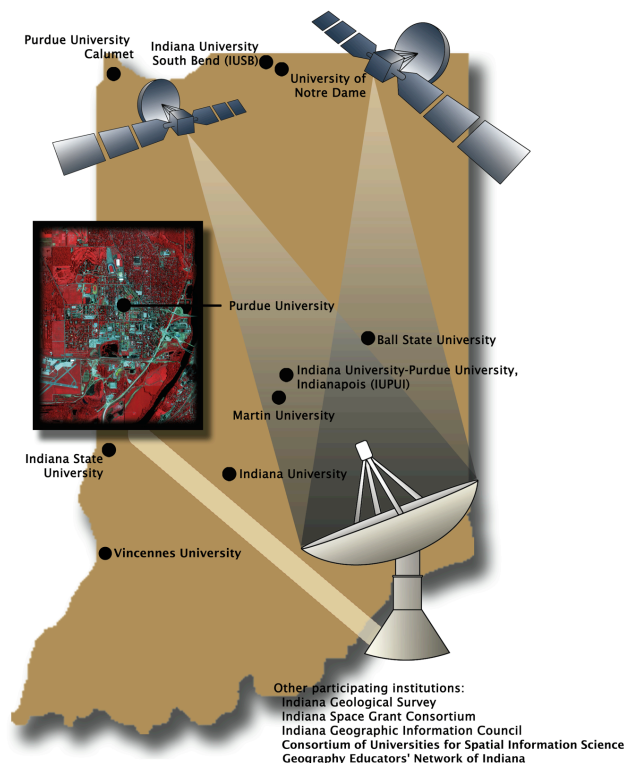
IndianaView was accepted to the national AmericaView consortium in 2004 with Purdue University as the lead institution. The AmericaView consortium is administered through the USGS Land Remote Sensing Program.

Objectives:

• Promote the use of remote sensing data in K-16 education through tutorials and training.

• Facilitate the use of remote sensing data to monitor statewide issues such as: urban development, forestry, water quality, air pollution, flooding and other natural disasters, crop development, resource management and homeland security.

• Create and maintain online portals to provide easy access to the remote sensing image data holdings of the member institutions and real-time satellite data for the region.

• Make additional remote sensing image data and derived products available for education and research such as a leaf area index data set for Indiana.

Accomplishments:

• Mini-grants have been provided for 25 projects conducted in 7 institutions which promote the use of remote sensing image data in K-16 education, facilitate the use of remote sensing data to monitor state wide issues such as urban development and provide easier access to remote sensing image data. Fact sheets for these projects are available at: www.indianaview.org/fact_sheets.html. A recent mini-grant created 30-year land cover change maps for the Indianapolis region.

(www.indianaview.org/pdf/IndianaView_FS_Indianapolis_Urban_Expansion_15.pdf)

• Freeware applications and tutorials are available for analyzing remote sensing images (MultiSpec: engineering.purdue.edu/~biehl/MultiSpec/) and determining long-term impacts of a change in land use (L-THIA: engineering.purdue.edu/mapserve/LTHIA7/).

IndianaView Member Institutions

• Interactive class lessons for geospatial skills for high school (www.iupui.edu/~geni/) were developed as result of partnership with Geography Educators' Network of Indiana (GENI).

• A portal (www.indianaview.org/glovis/index.html) has been created using the USGS provided GloVis software. The portal provides access to Landsat Thematic Mapper, Landsat MSS & Corona image data and the NASS Indiana Cropland Data in easily readable file formats. A link is also provided to the Indiana University Spatial Data Portal that contains more than 30 terabytes of 6-inch to 1-meter orthographic image data for Indiana.

• Landsat images are available for many counties. (www.indianaview.org/glovis/IN_County_Landsat_Data.html)

• Real-time image data and products (MODIS and AVHRR) are available from the Purdue Terrestrial Observatory (www.itap.purdue.edu/pto/).

FOR MORE INFORMATION:

www.indianaview.org
gis.iu.edu
www.americaview.org