



# North Dakota View Conference 2006

Sitting Bull College  
Fort Yates, ND  
August 2, 2006

# Presentation Contents

- Today's Goals and Agenda
- AmericaView Purpose and Status
- AmericaView Funding Status
- NDView 2005-06 Goals and Accomplishments
- NDView 2006-07 Funding and Plans

# Today's Goals and Agenda

- To provide an overview of AV and its current status.
- To discuss NDView's accomplishments during the first funded program year (2005-06).
- To discuss plans for the second year (2006-07).
- To open a dialog between NDView members about the program's longer-term goals.

# Today's Goals and Agenda

- 9:05 a.m. Brad Rundquist, Plan for the day, AV and NDView updates
- 9:40 a.m. Susan Wahl, Findings of the NDView survey, Report from the AV Winter Business Meeting
- 10:00 a.m. Break
- 10:15 a.m. Bob Nutsch, State GIS Coordinator, North Dakota GIS Hub
- 10:30 a.m. Outreach Award Recipients (15 minutes each)
- 11:30 a.m. Xiaodong Zhang, Digital Northern Great Plains
- 11:45 a.m. Research Award Recipient
- 12:00 Lunch
- 12:45 p.m. Roundtable discussion: Ideas and future plans
- 2:30 p.m. Tour of Sitting Bull College  
Adjourn

# AmericaView Purpose and Status

- AV is a nationwide program that focuses on satellite remote sensing data and technologies in support of applied research, K-16 education, workforce development, and technology transfer.
- AV is administered through a partnership between the U.S. Geological Survey and the AV Consortium. The Consortium is the federal government's primary partner in achieving the AV Program vision and goals.
- The AV consortium is a nationally coordinated consortium of locally controlled state-level consortia.

# AmericaView Purpose and Status

- *...to advance the availability, timely distribution, and widespread use of remote sensing data and technology...*
  - AV, in cooperation with data providers, will expand the number of available sensor data sets in standard ready-to-use formats and make them available to public agencies, educational institutions, and commercial entities in every state through appropriate license agreements and data/product access fees.

# AmericaView Purpose and Status

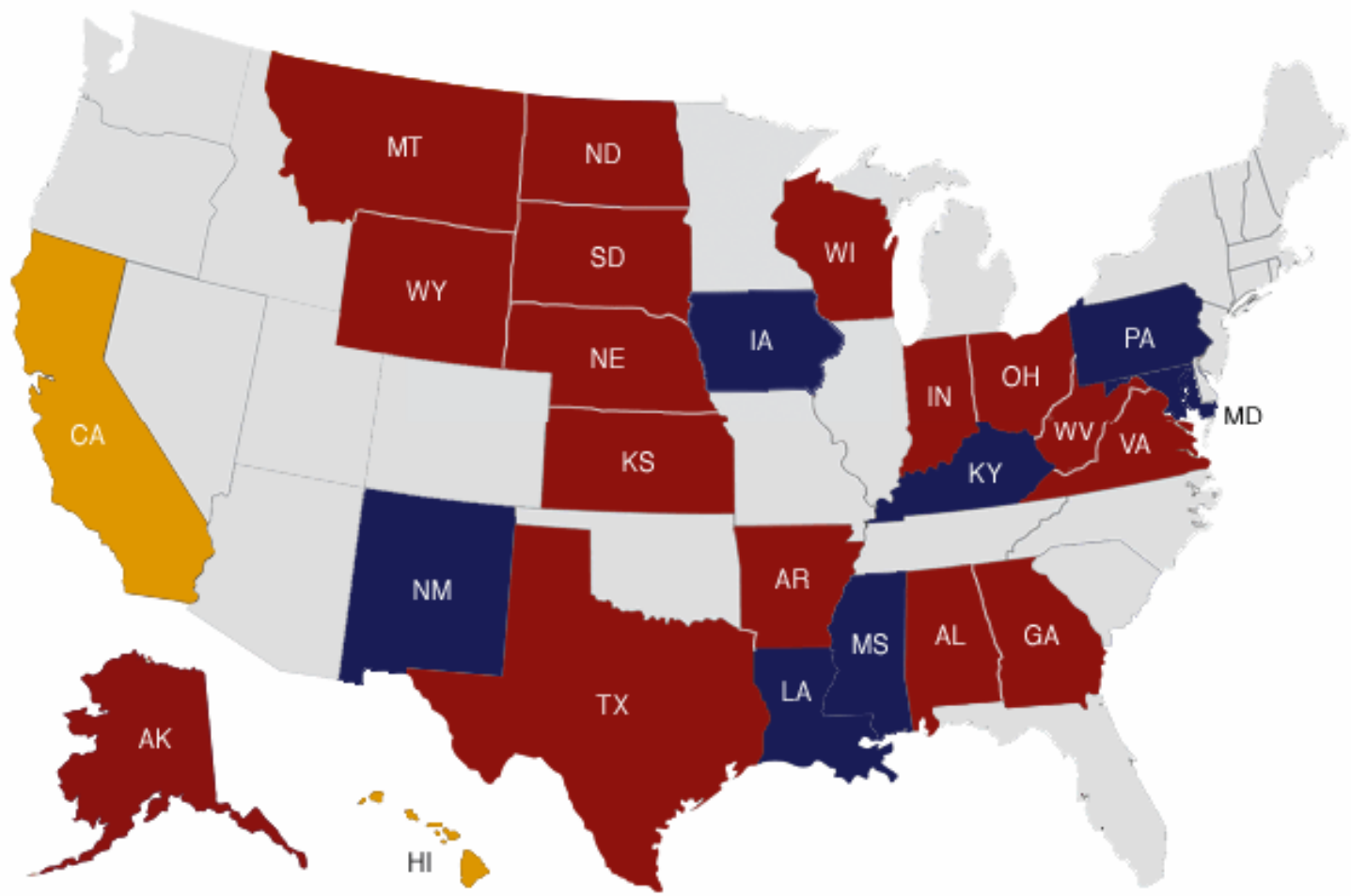
- *...through education...*
  - Leverage existing education and outreach programs and enable new programs to provide training and data to K-12 educators.
  - Expand remote sensing research in each state by distributing appropriate data and provide support as necessary.
  - Facilitate workforce development by expanding remote sensing/geospatial tech courses at community colleges, four-year colleges, and universities.

# AmericaView Purpose and Status

- *...research...*
  - AV partners will foster applications research by providing a mechanism for consortia to support grants and contracts to universities and private and public partnerships.
  - AV partners will build partnerships with state and local government entities to identify unique research and development needs and foster remote sensing pilot projects.

# AmericaView Purpose and Status

- *...and outreach.*
  - AV will seek national participation from states, tribal entities, and territories of the United States.
  - AV partners will expand knowledge and use of remote sensing data and data products through outreach programs that facilitate training of existing workforce through workshops and other training opportunities.
  - AV partners will promote cooperation, and sharing of expertise and remote sensing technology among and within participating states.



 Associate Members     Full Members     Affiliate Members

# AmericaView Funding Status

- AV has been funded at \$3 million, through USGS, for the past several years. AV sought \$5 million for FY2007.
- However, the program was cut entirely in the President's FY2007 budget.
- Through a concerted effort by AV consortium members, \$2 million was restored for the program to the USGS budget by the House.
- But, the Senate budget committee did not restore funding for the program.
- A conference committee between the House and Senate will meet in a few months to rectify the difference.
- AV leadership is somewhat confident in getting \$2 million, they are still working for more, and, at the same time, they are seeking other funding sources.

# NDView 2005-06 Goals and Accomplishments

- *Members during 2005-06:*
  - University of North Dakota:
    - Department of Geography, Department of Space Studies, Department of Atmospheric Sciences, Upper Midwest Aerospace Consortium, Regional Weather Information Center, Energy & Environmental Research Center
  - North Dakota State University:
    - Extension Service, Central Grasslands Research Extension Center
  - Sitting Bull College
  - Turtle Mountain Community College
  - Mayville State University
  - State of North Dakota GIS
  - ND Ed-PARC
  - North Dakota Space Grant Consortium
  - Dakota Science Center
  - Ducks Unlimited, Inc.

# NDView 2005-06 Goals and Accomplishments

- Consortium Development
  - **Goal: Add Tribal and State College Partners**
    - Valley City State University, United Tribes Technical College, Jamestown College, Fort Berthold Community College, and Williston State College.
  - **Goal: Add Industry Partners**
    - No progress
  - **Goal: NDView Conference**

# NDView 2005-06 Goals and Accomplishments

- Data Archive Development
  - **Goal: Continued Development of Digital Northern Great Plains**
    - An MS student from the UND Department of Computer Science was hired to work with Dr. Xiaodong Zhang to help upgrade the DNGP system. The student worked to: 1) redesign the web interface, 2) develop a context-sensitive help system, and 3) improve the programming structure for data transfer.

# NDView 2005-06 Goals and Accomplishments

- Education, Outreach, and Training
  - **Goal: Survey of Geospatial Technology Programs in North Dakota**
    - Complete.
  - **Goal: Fund Member Outreach Projects**
    - Four outreach grants were awarded to consortium members: DSC; NDSU Extension; SBC; and TMCC.

# NDView 2005-06 Goals and Accomplishments

- Research
  - **Goal:** Promote the use of remote sensing in undergraduate and graduate research.
    - We awarded one research grant to a consortium member: UND Geography.

# NDView 2006-07 Funding and Plans

- Our 2006-07 Request for Continued Assistance was successful.
- We received \$84,000 for 2006-07 (down from \$89,500 from 2005-06).
- That money is now ready to be used to meet NDView's goals.

# NDView 2006-07 Funding and Plans

- Consortium Development
  - **Goal:** Continue to add partners (focus on other state and tribal colleges and industry).
  - **Goal:** Hold quarterly teleconferences to improve communication between members.
    - NDView will continue to employ a UND Geography graduate student to serve as project coordinator.

# NDView 2006-07 Funding and Plans

- Consortium Development (cont'd)
  - **Goal: NDView Conference**
    - Turtle Mountain Community College, Summer 2007.
    - Hands-on workshops?
    - \$2,300 is budgeted to support the 2007 conference.

# NDView 2006-07 Funding and Plans

- Data Archive Development
  - **Goal:** Continue to support the development and maintenance of DNGP.
    - NDView will continue to support a UND Computer Science graduate student to assist with this task.

# NDView 2006-07 Funding and Plans

- Education, Outreach, and Training
  - **Goal:** Fund Member Outreach Projects
    - A total of \$30,000 is available for outreach and research mini-grants.
    - The goal is to distribute the RFP by mid-August.
  - **Goal:** Purchase an ERDAS Imagine HEAK license to share with educational institution members.
    - \$5,000 is set aside for this.

# NDView 2006-07 Funding and Plans

- Research
  - **Goal:** Promote the use of remote sensing in undergraduate and graduate research
    - A total of \$30,000 is available for outreach and research mini-grants.
    - The goal is to distribute the RFP by mid-August.

# NDView 2006-07 Funding and Plans

- Research (cont'd)
  - **Goal:** Establish scholarships to support students interested in remote sensing and other geospatial technologies.
    - Three \$1,000 scholarships will be awarded to undergraduate or graduate students using remote sensing and/or other geospatial technologies at any of the NDView educational institutions.
    - Scholarship applicants must be sponsored by a faculty representative from a NDView institution.
    - The scholarships could be used to support field work, travel to a professional meeting, data purchase, software purchase, minor equipment purchase, professional society membership, journal subscription, or book purchase.
    - Scholarships will be awarded competitively.