GeoCIP®

Modernization of a Statewide GIS Based Infrastructure Mapping & Inventory Program

Presenter:

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Topics



- Initiative
- History
- Partners
- Participants
- Benefits
- Challenges

- Program Modernization
 - Relational Database
 - Theory vs Real World
 - Custom Tools

Initiative

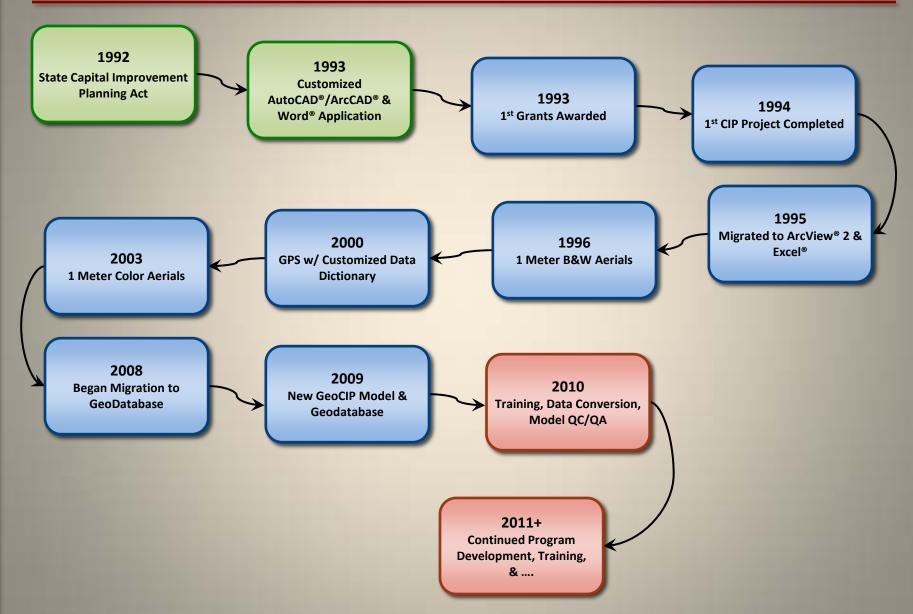


State Capital Improvement Planning Act: 1992 (House Bill 2375)

- "There is hereby created a Long-Range Capital Planning Commission to advise & assist the Legislature in providing for capital facilities in this state. The Commission shall prepare each year a state capital plan for addressing state, regional & local public capital facility needs..."
 - Oklahoma legislature requested a statewide capital improvement plan
 - Commerce administers the CDBG program
 - CDBG funds are highly flexible & planning was an eligible activity
 - CDBG program helps improve rural communities which begins with planning

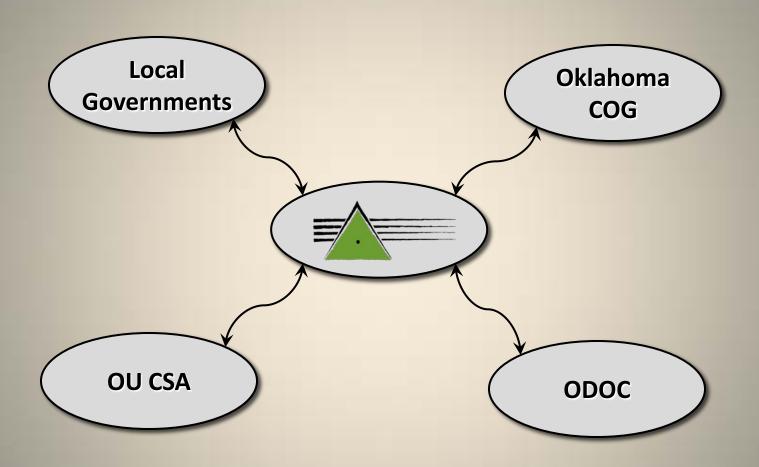
History





Partners



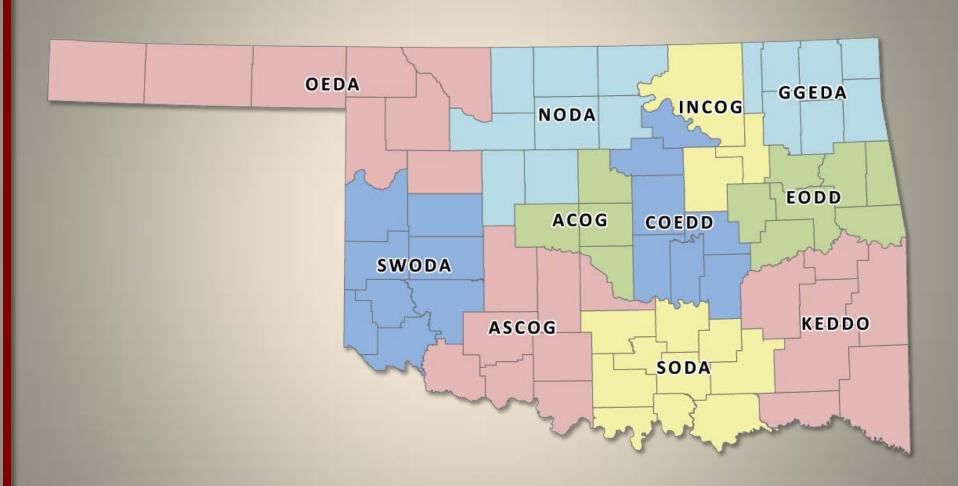


Local Governments University of Oklahoma Center for Spatial Analysis

Oklahoma COG
Oklahoma Department of Commerce

Oklahoma COG

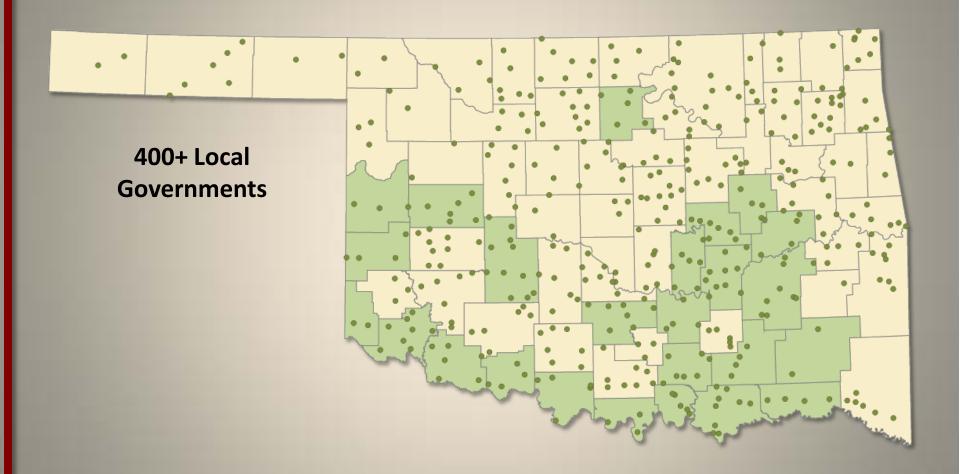




11 Regional Partners

Participants





Over 400 Participating Local Governments
30 CDBG GeoCIP Projects Awarded in PY 2010

Benefits



- Partners
 - Share the Load
 - Broaden the "Brain Pool"
- Intelligent Funding
 - Target documented needs
 - Encourage Planning
 - Identify Future Needs
- Standardized Process
 - All participants doing the same thing
 - Training
 - Professional Networking

- Integrated GIS Programs
 - Good Foundation to launch other programs/projects
- GeoCIP Data Updates
 - A GeoCIP is Never "Completed"
 - Update Data & Maps
 - Revise Needs & Budget
- Real-Time Queries
 - Any Assets
 - Any Geographies

Challenges

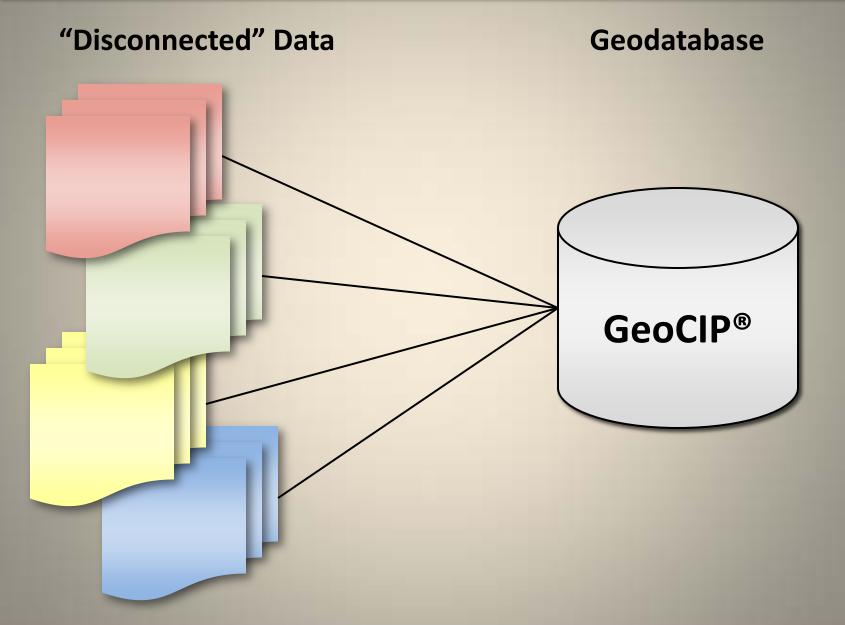


- Regional Differences
 - Personnel
 - Environmental
 - Political
- Limited Funding
 - State/Federal Plan Ahead
 - Make Request 1-2 years ahead
- GIS Integration
 - Other Programs
 - Partner By-in

- Evolving Technology
 - Justify Costs
 - Is it an improvement?
- Participant Education
 - GIS
 - Planning

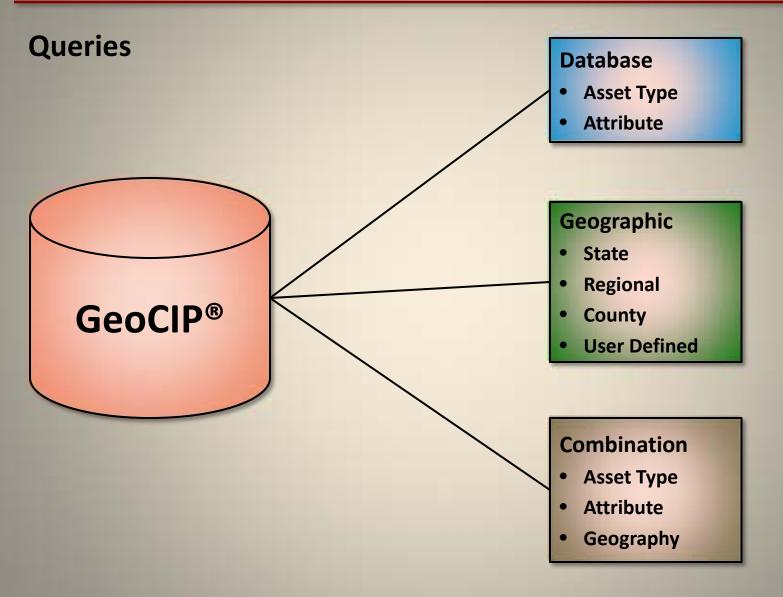
Program Modernization





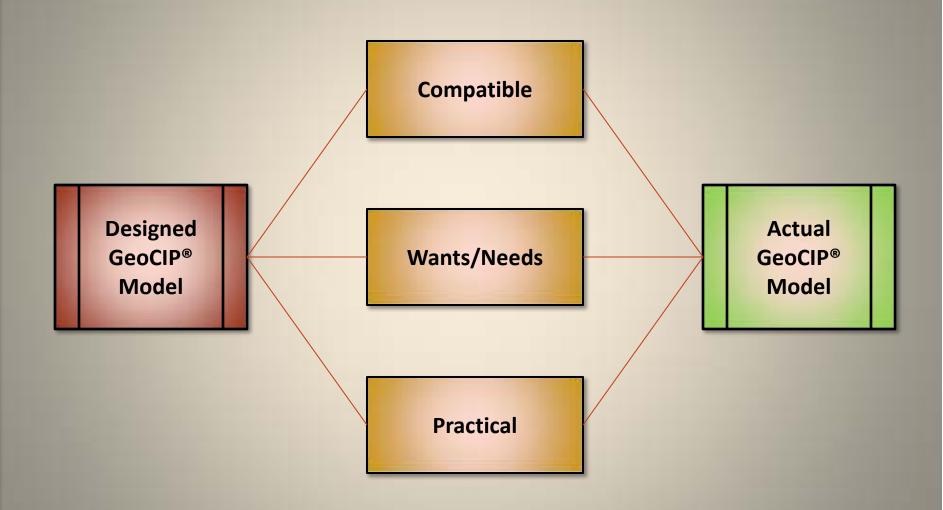
Relational Database





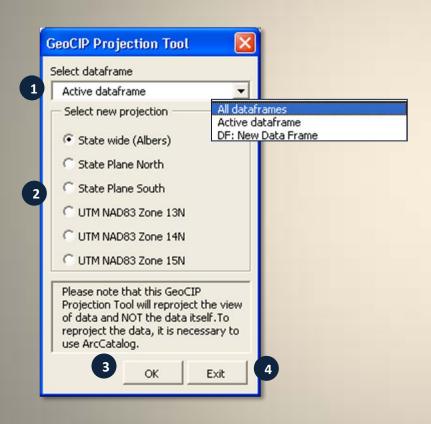
Theory vs Real World







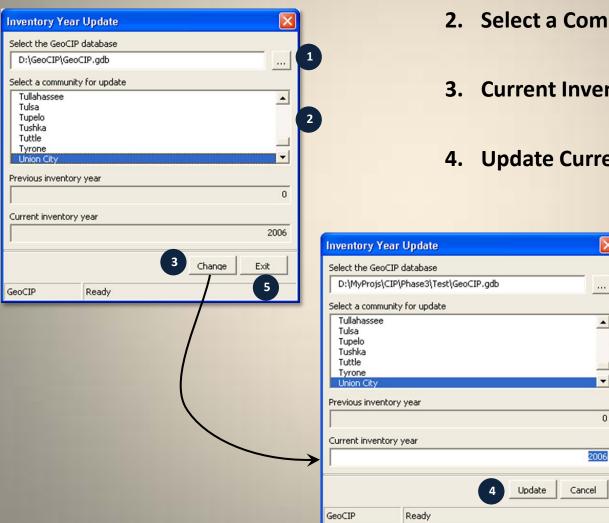
GeoCIP Projection Tool



- 1. Select dataframe(s) to re-project
- 2. Select a new projection
- 3. Apply selection



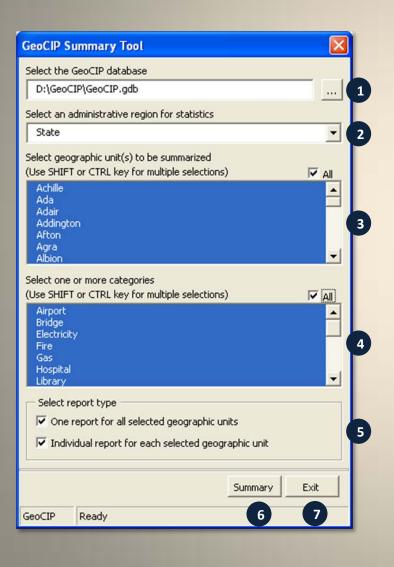
Inventory Year Update



- 1. Select the GeoCIP database
- 2. Select a Community for Update
- 3. Current Inventory Year
- 4. Update Current Inventory Year



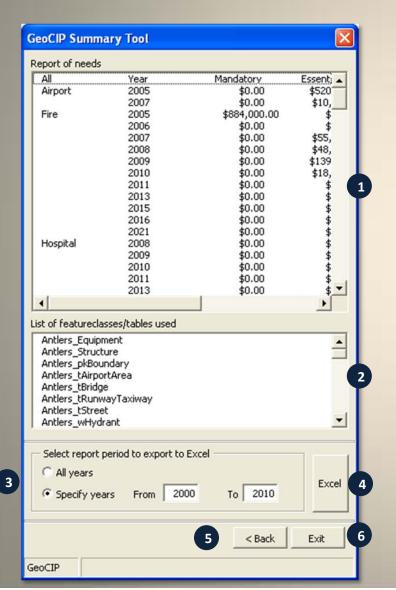
Database Queries



- 1. Select the GeoCIP database
- 2. Select an administrative region for statistics
- 3. Select geographic unit(s) to be summarized
- 4. Select one or more categories
- 5. Select report type
- 6. Generate summary report



Database Queries



- 1. Exploring the summary of needs
- 2. Exploring the list of feature classes /tables used
- 3. Select report period to export to Excel
- 4. Export needs report to Excel
- 5. Refining the summary

Contact Information

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