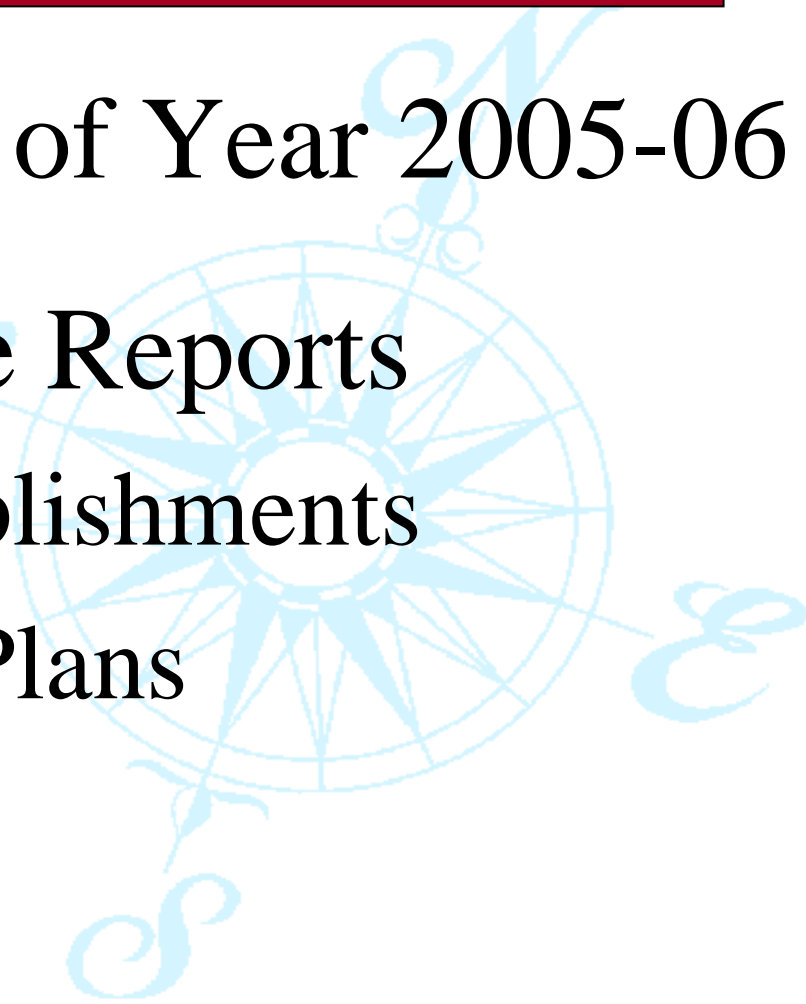


Governor's Council on Geographic Information

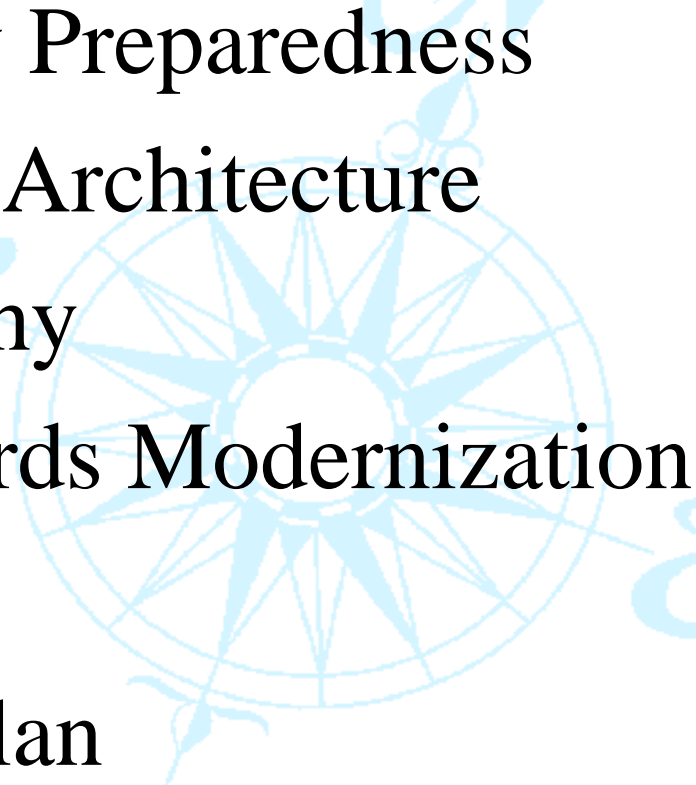
End of Year 2005-06

Committee Reports

- Accomplishments
- Future Plans



Committees

- Emergency Preparedness
 - Geospatial Architecture
 - Hydrography
 - Land Records Modernization
 - Outreach
 - Strategic Plan
- 

Emergency Preparedness

Purpose: *Organize the GIS community to help minimize impact of, recover from, and avoid natural and human caused emergencies in Minnesota.*

Co-Chairs: Dan Johnson, Nexus Advantage Corporation

651-245-9962

dvjohn@charter.net

John Hoshal, Land Management Information Center

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Emergency Preparedness

Accomplishments:

1. Established a steering committee to help set EP committee goals and objectives as well as monitor and support the activities of the Outreach, Education and Data sub-committees.
2. Merged many of the goals, activities and membership of MetroGIS's Emergency Preparedness Committee with the GCGI Emergency Preparedness Committee thereby avoiding a duplication of effort.
3. Committee members promoted the integration of GIS in emergency preparedness and public safety activities through presentations at the 2005 AMEM conference, Minnesota GIS/LIS, the Minnesota Department of Health - Emergency Management Committee and in meetings with county and city officials.
4. In cooperation with the State's Office of Geographic and Demographic Analysis, EP steering committee members participated in the crafting of GeoCOP - a proposal that sought U.S. Department of Homeland Security funding to develop a Common Operating Picture for emergency planning, response, and mitigation in Minnesota using GIS data maintained by local, regional, state, and federal agencies.

Emergency Preparedness

Future Initiatives:

A. Outreach - to Emergency Management Professionals

- Survey members of the emergency management community to determine their understanding of GIS technology and its application in the emergency response / public safety environment.
- Cultivate relationships with statewide professional organizations such as AMEM and AMFC through presentations. GCGI EP members hope to again present at this year's AMEM conference.
- Organize and promote GIS workshops geared for the emergency management and public safety community including those in Greater Minnesota.
- Promote and educate emergency managers/public safety officials on the use of the MetroGIS Emergency Preparedness web application.

Emergency Preparedness

Future Initiatives:

B. Education - for GIS Professionals

- Help organize emergency management resources for GIS professionals (links to data, applications, education, etc.) via the GCGI or MetroGIS EP web sites.
- Seek opportunities for GIS professionals to observe emergency management exercises (city, county or state).
- Organize and promote workshops for GIS professionals that will enhance their understanding of how emergency managers respond to situations.
- Identify skill enhancement / certification opportunities to help ensure that Minnesota’s GIS community will be ready to respond to varying types and scales of emergencies.
- Promote and support the inventorying of GIS state, county and local government personnel who are willing to help out in emergencies – a GIS “call tree”.

Emergency Preparedness

Future Initiatives:

C. Data - for Emergency Preparedness

- Review existing / proposed federal and state standards/best practices for GIS datasets needed for effective emergency preparedness.
- Identify federal, state and locally held critical data sets and possible contributors / custodians.
- Promote the MetroGIS EP and GeoCOP initiatives of working closely with federal, state and local entities to create and keep critical data up-to-date.
- Identify and seek funding opportunities to help promote the identification, collection, organization and dissemination of GIS data for emergency preparedness.
- Organize and/or participate in a forum where emergency preparedness/public safety data access and data security issues are debated.

Geospatial Architecture Committee

Purpose: *Promote the development of common technological approaches to spatial data sharing and business integration through integrated system design, and support for geospatial standards.*

Co-Chairs: **Robert Maki**, MN Department of Natural Resources

651-259-5476

robert.maki@dnr.state.mn.us

Chris Cialek, Land Management Information Center

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chris.cialek@state.mn.us

Geospatial Architecture

Accomplishments:

- Actively promoted Governor's Council geospatial architecture concepts.
 - Conferences and working groups
 - Developed the paper "The Case for a Minnesota GIS Enterprise"

Geospatial Architecture

Accomplishments:

- Re-established a formal GIS standards review process, and processed the existing backlog of standards, including two hydrography coding standards
- Stepped up review and monitoring of important Federal standards, and provided critical input into the Federal place name standard

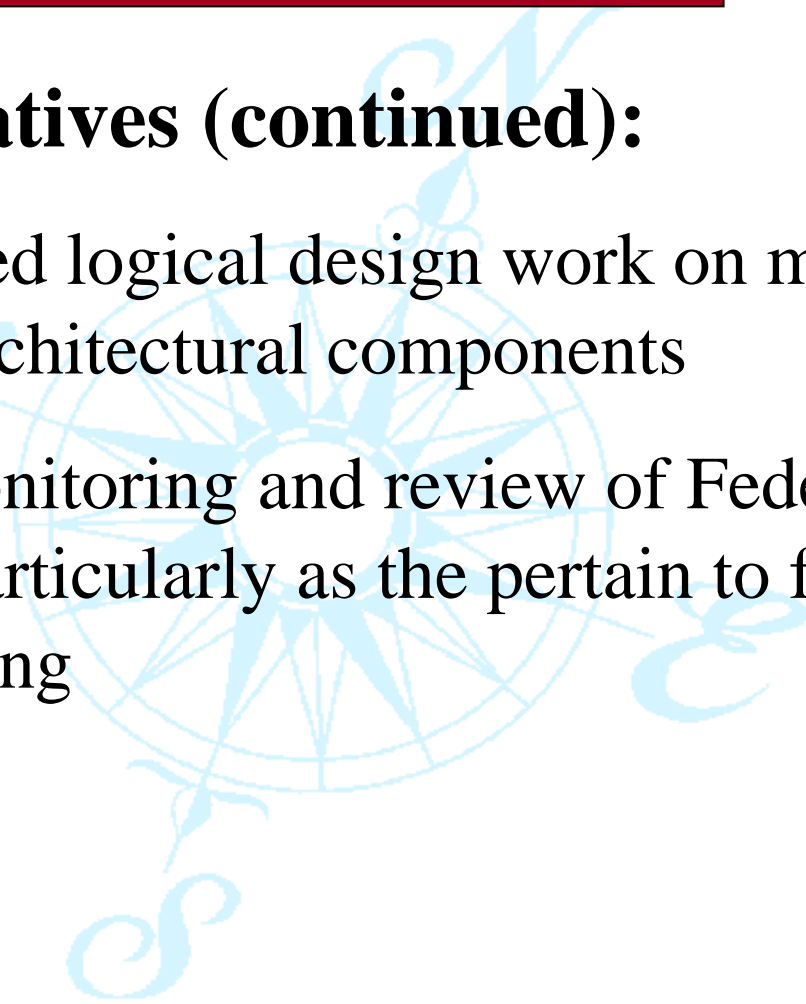
Geospatial Architecture

Future Initiatives:

- Monitor the progress of emerging international metadata standards, and recommend revisions to Minnesota Geographic Metadata Guidelines to ensure compliance.
- Update Geospatial Architecture portion of Council's website, in support of the State's Enterprise Information Architecture

Geospatial Architecture

Future Initiatives (continued):

- Begin detailed logical design work on major geospatial architectural components
 - Continue monitoring and review of Federal data standards, particularly as they pertain to framework data publishing
- 

Hydrography

Purpose: *Promote consistent development of hydrography data and enable data exchange through coordination, cooperation and standards development.*

Co-Chairs: **Mark Olsen**, MN Pollution Control Agency
651-296-3412
mark.olsen@pca.state.mn.us

Susanne Maeder, Land Mgt Information Center
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susanne.maeder@state.mn.us

Hydrography

Accomplishments:

- Continued implementation of MN hydrography framework
 - Final design of database to store hydrography and related events
 - Developed draft update and maintenance technical procedures for MN NHD to USGS' central database
 - Completed draft stewardship agreement between MN and USGS
 - Successfully demonstrated cross reference of Kittle system with NHD
 - Fostered development and sharing of applications:
 - Sponsored 'Using NHD' Sessions at 2005 GIS/LIS conference
 - Sponsored NHD update training – May 2006
- Standards
 - Reach/watercourse standard approved by Council and forwarded to OET
 - Final watershed standard presented to Council for approval
- Watersheds
 - DNR continuing delineation/aggregation procedures consistent with Federal guidelines
 - 35 MN Hydrologic Units completed and distributable; 24 near completion
 - Delivered DNR data for federal review and determination of WBD compliance

Hydrography

Future Initiatives:

- Complete definition of *Events* (formerly known as *hydrologic point of interest*) framework element
- Develop implementation plan for use and maintenance of the framework (EPA Grant)
 - Clearly define roles and responsibilities
 - Focus on data access and maintenance (MnRAD)
 - Encourage data enhancements and updates
 - Foster development and sharing of applications and tools
- FGDC Compliance of MN Watershed Boundaries
- Promote wetlands mapping and maintenance strategy

Land Records Committee

Purpose: *Work to research and develop support for statewide Land Records Modernization for local governments.*

Chair: **Charles Kost**, Southwest Minnesota State University

507-537-6371

kostc@southwestmsu.edu

Land Records Committee

Accomplishments

- Developing a document of the uses and benefits of digital parcel data in Minnesota county governments as an educational and promotional tool.
- Started to locate links for the content of a guide developed to assist counties create and maintain a digital cadastral layer. The final guide will be a web-based application.
- Assisted in the planning for the formation of a Minnesota County GIS Association

Land Records Committee

Future Initiatives:

- Complete and distribute the document of the uses and benefits of digital parcel data in Minnesota county governments.
- Make the guide to assist counties create and maintain a digital cadastral layer available on the web.
- Begin developing a process for the aggregation of existing county parcel data into a statewide dataset.

Outreach

Purpose: *Works to connect the Council with its constituencies and to publicize its work to the broader community.*

Chair: **Larry Charboneau**, The Lawrence Group
612-676-3950
larry@lawrencegroup.com

Outreach

Accomplishments:

- Updated website
 - Appearance and attractiveness
 - Operating Policies and Accomplishments
- Published 14 articles in *GIS/LIS News*
- Held outstate meeting in Grand Rapids; all but one local meeting available via videoconference
- Maintained *Communication Plan*
- Prepared 1-page overview of Strategic Plans: organization, technology, and data

Outreach

Accomplishments (continued):

- Published articles in *MN Surveyor* and *MNCITLA News*
- Conferences/Forums
 - 2 panels and 6 papers at GIS/LIS conference
 - Session at 24th Annual MN Government IT Symposium
 - Cosponsor June 1 Futures Forum with MetroGIS
- Facilitated Governor's Commendation for *MapServer*
- Created *Brochure* design
- Drafted *Annual Report to the Governor*

Outreach

Future Initiatives:

- Finish website update
 - FAQs
- Complete and print new *Brochure*
- Participate in 2006 AMC Conference
- Discuss Speaker's Bureau with Consortium
- Write *GIS/LIS News* articles
- Respond to Council & Committee needs
- Draft *Annual Report*

Strategic Planning

Purpose: *Guides development of a strategic plan to support the common needs of Minnesota organizations that use geospatial technology to meet their business goals.*

Chair: **David Arbeit**, Office of Geographic and Demographic Analysis
651-201-2460
david.arbeit@state.mn.us

Co-Chair: **Fred Logman**, Land Management Information Center
651-201-2495
fred.logman@state.mn.us

Strategic Planning

Accomplishments:

- Sponsored GIS/LIS conference session to discuss MSDI Strategic Plan and state's Drive to Excellence initiative.
- Developed Web shared services survey for summer 2006.
- Received FGDC grant to address organizational and operational issues of state geospatial strategy.
- Began discussions with Office of Enterprise Technology (OET) and State CIO about state geospatial functions.
- Guided continued development of MSDI data plans.
- Maintained relationships with national programs that support the National Spatial Data Infrastructure.

Strategic Planning

Future Initiatives:

- Work with OET to integrate geospatial technology with state's enterprise technology environment.
- Conduct shared services survey, review results and identify opportunities for increased collaboration.
- Recommend functions, organization and funding for a state geospatial authority.
- Guide strategic implementation of an enterprise technical architecture for GIS.

Strategic Planning

Future Initiatives:

- Monitor Minnesota's data and infrastructure needs and make strategic recommendations to address them.
- Maintain relationships with programs that support the NSDI.
- Complete second generation strategic plan for the MSDI.
- Sponsor geospatial strategic plan sessions at MN GIS/LIS Consortium and MN Government IT conferences.