

Comments

Strategic Vision Priority?

Goal: Public Policy - Incorporate GIS into overall public policy development and decision making

Objective 1: Integrate GIS into mainstream IT

Strategy 1: Work with State CIO to include GIS in overall IT management	GIS is usually incorporated into bi-annual agency IT plans submitted to SITSD; GIS is included as a priority as SITSD and the Governor's cabinet consider how to support an enterprise architecture	
Strategy 2: Work with CIO to promote integration of GIS and IT at state agency level	GIS is integrated into most agencies core business processes - DOR, MDT, DEQ, DNRC, FWP, Commerce; GIS is included as a priority as SITSD and the Governor's cabinet consider how to support an enterprise architecture.	
Strategy 3: Work with MACO and MLCT to promote integration of GIS and IT at local government level	Some outreach to MACO and MLCT by MSL but more work could be done	

Objective 2: Match data needs with public policy formulation

Strategy 1: Identify important policy issues at all government levels and set priorities for data collection and management based on policy needs	Data used in the site selector application; MT data.gov (socrata)	
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Objective 3: Increase support for GIS among decision makers and the public by emphasizing GIS as a tool and not an end

Strategy 1: Demonstrate use for policy formulation through presentations in public meetings and other venues	Early literacy grant application initiated by the Governor's office; mt.gov map gallery	
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Strategy 2: provide technical support for "non-gis" personnel that require geographic products.	ArcGIS online	
Goal: Education - Encourage the development of GIS education, outreach and training programs		
Objective 1: Foster programs at all elementary and high schools through community partnerships among geographic information professionals, post secondary institutions and local schools		
Strategy 1: Identify community GIS liaisons with schools	Bigfork program as example	
Strategy 2: Continue and expand grant programs to elementary and high school teachers	MAGIP grants, MLIA grants to Seeley Swan and Liberty Co. schools	
Objective: 2 - Promote the incorporation of GIS curriculums into colleges and universities		
Strategy 1: Establish a state-wide GIS faculty committee to evaluate curriculums, make recommendations and identify resources	Not done	
Strategy 2: Continue and expand scholarship programs to college seniors and graduate students who use GIS as part of their studies	MAGIP scholarships	
Objective 3: Develop continuing educational programs that support professional development and growth		
Strategy 1: Continue to offer conferences, technical workshops and other education opportunities through MAGIP	This is being done well	
Strategy 2: Encourage and support broader participation in regional and additional GIS conferences and workshops	MLIAC and SITSD attendance at NSGIC	
Stagey 3: Work with universities, tribal colleges and colleges of technology to offer continuing education courses locally	Not done	
Strategy 4: Explore a certification program for GIS professionals and make recommendations	GISP program exists and MAGIP supports	

Goal: Data Stewardship - Support standardized and sustainable methodologies to collect, maintain and disseminate land information

Objective 1: Establish clearly defined roles and responsibilities for the development, maintenance and dissemination of each of the state data

Strategy 1: Implement the directive on theme stewardship	Done; also implemented an MSDI theme stewardship application process	
Strategy 2: Provide for ongoing support to and coordination among the various data stewards	MSDI stewardship is partially funded through MLIA funds	
Strategy 3: Review progress on a periodic basis	Stewards prepare an annual MSDI work plan that documents the progress of the previous year	
Strategy 4: Consult with USGS regarding the development of the MSDI with respect to the NSDI	Consultation is done with USGS and other A16 agencies. Federal influence has been impacted by sequestration and other budgetary measures	

Objective 2: Establish common protocols, standards and formats for data collection and management and associated metadata

Strategy 1: Inventory the range of existing protocols, standards and formats currently in use by state government agencies	At least partially done and incorporated into MAGIP best practices	
Strategy 2: Publish and electronic newsletter informing the GIS community of standardization efforts	Not done	
Strategy 3 Provide training through continuing education programs regarding standardization	MSDI presentations at MAGIP events	

Objective 4: Reduce redundancies in data collection management and promote sharing

Strategy 1: Create better pathways for data sharing between state and county agencies	Automated data submittal processes could be an area to concentrate work as this is still a painful process. There is work being done that might make data transfer via feature services more practice	
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Strategy 2: Encourage collaborative projects among local, state and federal agencies to collect and manage data jointly	Several MSDI themes use a multi-jurisdictional approach (sdk);	
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Goal 4: Coordination, Cooperation and Access

Objective 1: Inform all user groups and public of GIS services and applications

Strategy 1: Present GIS topics a professional conferences and technical sessions (e.g. engineers, planners, surveyors, real estate professionals0	In MAGIP work plan, MSL does this regularly	
Strategy 2: Prepare press releases for posting on government agency and organizational websites and in other print media about advances in GIS technology, data and products	Web sites and social media	

Objective 2: Develop and promote web based services

Strategy 1: Conduct an analysis of web based opportunities associated with the dissemination of geographic information	We based dissemination, whether by ftp, map services or feature services is a fairly standard way of doing business today (sdk);	
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Objective 3: Provide for clear and easy access to geospatial data for all users

Strategy 1: Develop and maintain a one-stop portal for access to all geospatial data for all users	MSL GIS portal and data list developed. Arc GIS online also a discovery resource. Metadata creation is still hard to encourage eve with MLIA grants available	
Strategy 2: Work with existing web based services such as Google Map and Geospatial One-Stop to link Montana initiated web based systems with national resources	This strategy should be either eliminated or revised (sdk);	

Objective 4: Achieve clarity of meaning with respect to GIS terms and jargon

Strategy 1: Convene a "summit on GIS terminology to develop standardized definitions for commonly used terms	Not done	
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Strategy 2: Work to replace "jargon" with more universally understood words where appropriate	Probably worse	
Objective 5: Develop and promote a federated GIS model		
Strategy 1: Work with USGS to identify a workable model based on the National experience (e.g. the National Map	National Map doesn't use state/local data any more	
Strategy 2: Participate in and contribute to the National Map	See above	
Strategy 3: Identify geographic products common to a variety of business functions (e.g. growth policies, transportation plans, disaster and emergency service plans	MSDI layers, common base maps, shareable ArcGIS online maps	
Strategy 4: Develop standardized map templates for commonly mandated policy tools	Esri developing common data models (local government data model) and other templates	
Objective 6: Establish feedback loops		
	There were no strategies with this objective. It could probably go (sdk);	
Objective 7: Identify and address barriers to inter-jurisdictional cooperation and communication		
Evaluate the existing GIS enterprise with respect to its interoperability among local, state, tribal and national users and make recommendations accordingly	Interoperability is still a problem	
Explore the applicability of various incentives to encourage the inter-jurisdictional cooperation such as availability of standard products, shared expertise, and services and funding for efforts that utilize partnerships among various entities	MLIAC grants	
Objective 8: Work "smart" to avoid duplication of effort (relate to objective 4 under data stewardship goal)		
Strategy 1: Maintain a central inventory of ongoing data collection activities	Not done although there are some examples (elevation)	

Strategy 2: Align with Objective 2 under public policy goal to set priorities for data collection and resources allocation	This may happen more by chance than design	
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