

Overall Maine GeoSpatial Listing of Issues and Action Items

<u>Source of Issue</u>	<u>Issue or Action Item</u> (*See Note 1 Below)	<u>Potential Solutions</u>	<u>Time Frame</u> (For Implementation)	<u>Priority</u> (See Note 2 Below)	<u>Cost</u>	<u>Work Area</u>	<u>Reference #</u>
Forums, Meetings & On-line Survey	A limited number of folks know about the Board. Their questions are: Who is the Board? What is the Board doing? How can I find out? Why is the Board relevant to me?	<p>Update information on the website on a regular basis. Provide monthly Board meetings each month, post the annual report, provide monthly news blip, project updates and list the latest in data updates. Speak at annual MMA, County, MEGUG, and other relevant conferences. Highlight accomplishments immediately as they occur.</p>	Short	High	Low	Communication	19
Forums, Meetings & On-line Survey	Redundancies in data development are occurring. How is the Board coordinating data development?	<p>Provide an on-line inventory of data available, data under development and data planned for future develop. Encourage all data developers to post data development plans on the GeoLibrary Board list serve prior to starting work and encourage data development partnerships where practical. Publicize GeoLibrary Board data priorities on the web site. Encourage the use of the Portal through focused marketing efforts.</p>	Short	High	Low	Communication	23
Forums, Meetings & On-line Survey	How is GIS being coordinated by the Board at a statewide level?	<p>1. Review suggested solutions under coordination activities above. Implement those (where practical) along with current activities. 2. Develop campaign across the state to help others improve their GIS capabilities and lower the barriers to implementing and using geospatial technologies in Maine. Use the opportunity to highlight the GeoLibrary Boards' coordination activities, measured results and accomplishments achieved. 3. Solicit input from stakeholders across the state on an annual basis both by holding regional forums and conducting an on-line survey. 4. Make the input received part of the Board's annual planning process.</p>	Medium	High	Low	Communication	21

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Forums, Meetings & On-line Survey	What is being done around state that others might take advantage of?	Refer to the above solutions on data development, data sharing, application development, education and partnerships. Provide a "What's New" section of the GeoLibrary and update it at least weekly. Use the GeoLibrary List Serve to put out "News Blips" monthly and encourage all to join the GeoLibrary List Serve.	Medium	High	Low	Communication	24
Forums, Meetings & On-line Survey	How does the Board promote the use of GIS?	Establish a coordinated campaign to promote the use of GIS in state, county and local government as well as prominent private sector areas would provide the Board with some significant name recognition. Provide training to high school teachers to enable them to use GIS to improve their ability to teach their courses.	Medium	High	Low-Medium	Communication	20
Forums, Meetings & On-line Survey	How can GIS users to stay in touch w/GIS issues, activities & opportunities?	Actively encourage members of MEGUG, MMA, state government, etc. to join the GeoLibrary List Serve and post activities there. Provide a "Calendar of Events" on the GeoLibrary website and keep it up to date.	Medium	Medium	Low	Communication	22
Forums, Meetings & On-Line Survey	Provide access to local government data.	Actively work with local government through the CIO, MEGUG, Maine Municipal Association and the Maine County Commissioners Association to develop a set of policies for collecting and storing local government data in the Portal.	Short	High	Low	Coordination	1
Forums, Meetings & On-Line Survey	Provide access to local government data.	Actively work with local government through the CIO, MEGUG, Maine Municipal Association and the Maine County Commissioners Association to insure that the best data is collected and stored in the Portal.	Short	High	Low	Coordination	2

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2002 Strategic Plan Pillar # 2	MeGIS staff and the GeoLibrary Board must work on a set of policies and procedures for updating data within the data warehouse including: Agreement on appropriate timetables for data update cycles and establishment of data standard validation routines.	Actively work with the state agencies through the CIO to ensure that a set of policies and procedures are in place for updating data within the GeoLibrary/Portal.	Short	High	Low	Coordination	3
Forums, Meetings & On-line Survey	Inability to easily find and obtain access to state and local data	1. Perform annual inventory of geospatial data across the state and post on the website. (List datasets, data custodians and their contact information.) Work with CIO to have state agencies report on data posted, not posted, under development and planned for development. Request communities and NFP's across the state to volunteer to complete data inventory. 2. Provide a continuous campaign to post data and metadata to the Portal.	Short	High	Low	Coordination	4
Forums, Meetings & On-line Survey	Difficulty in knowing when new data is posted or other data is updated	Work with CIO to have state agencies report on new or data updates to Board List Serve and post on web site as well. Request others around state to notify the Board as well. Provide a summary notification to the list serve once a month noting files that been added or updated. Display this as well on the GeoLibrary web site.	Short	High	Low	Coordination	5
Forums, Meetings & On-line Survey	Data sharing is somewhat limited. How is the Board encouraging data sharing?	Encourage data sharing to save costs, time, and resources. Publicize and market the Portal as an easy-to-use mechanism to do share data through. Make data sharing a theme in statewide presentations.	Short	High	Low	Coordination	8

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2002 Strategic Plan Pillar # 2	MeGIS must actively work with other state departmental initiatives to ensure that all the best departmental data is collected and stored in the GeoLibrary.	Actively work with the state agencies through the CIO on an annual basis to ensure that the best departmental data is collected and stored in the GeoLibrary/Portal.	Short	High	Low	Coordination	10
2002 Strategic Plan Pillar # 5	Create regional geographic service centers	Hire a staff person (or outsource) to work with regional planning agencies and councils of governments to establish web service templates for municipalities through the Portal to use that provide simple zoning, planning, tax parcel and other applications that don't require GIS expertise.	Medium-Long	High	High	Coordination	9
2002 Strategic Plan Pillar # 5, Sewall Team Recommendation	Create an explicit coordination function within MEGIS	Provide a staff person working directly for the GeoLibrary Board to lead the implementation of the GeoLibrary priorities, oversee the coordination of activities across the state and be a spokesperson at conferences and meetings in Maine.	Long	High	High	Coordination	6
Forums, Meetings & On-line Survey	What is the Board doing to encourage GIS Project Partnerships among GIS users to save time, efforts and money and improve overall results?	Encourage partnerships to save costs, time, and resources by making it a theme in statewide presentations and possibly consider sponsoring a partnership award program each year. Where appropriate, GIS users should be encouraged to communicate current and future activities. The Board should consider brokering or participating in high priority areas.	Medium	Medium	Low	Coordination	11

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Forums, Meetings & On-line Survey	Governments are recreating the same applications repeatedly. What is the Board doing to coordinate application development?	Work with the CIO to establish an on-line inventory of geospatially related applications under development and applications planned for future development. Encourage all application developers to post data development plans on the GeoLibrary Board list serve prior to starting work and encourage data development partnerships where practical. Develop an understanding of the common functionality of the most redundant local government applications and consider building web services to meet those needs.	Medium	Medium	Low	Coordination	12
Forums, Meetings & On-line Survey	How can I get access to GIS software that is less expensive?	Provide a statewide web service for municipalities. Create web service templates for municipalities through the Portal to use that provide simple zoning, planning, tax parcel and other applications that don't require GIS expertise. Develop Google or Virtual Earth solutions. Consider establishing a suite of open source/freeware to be used by local governments that meets the majority of their business needs.	Long	Medium	Medium-High	Coordination	13
2007 Annual Report Priorities	Build Statewide GIS Network to improve access to data across the state	Establish a grant program to develop a virtual network of OGC compliant GIS web nodes with municipalities, NGO's, etc. across the state.	Long	Medium	High	Coordination	17
2002 Strategic Plan Pillar # 4	Provide a geocoding service (other parts of this pillar have been implemented)	Create a geo-coding service with statewide access.	Short	Low	Medium-High	Coordination	18

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Forums, Meetings & On-line Survey	How can I share software?	Highlight partnerships like Lewiston/Auburn's for sharing GIS resources. Take advantage of a state web service with basic municipal applications to cover the majority of needs. Work with the software supplier to see what avenues are available for sharing.	Long	Low	Low	Coordination	14
Forums, Meetings & On-line Survey	Is there a better way to purchase software?	Work with municipalities to take advantage of ESRI's small government enterprise license structure. Work with the software supplier to see what other avenues are available.	Long	Low	Low	Coordination	15
2002 Strategic Plan Pillar # 2	Optimize licensing with the large software vendors.	MEGIS is rolling out both a new enterprise ESRI license agreement and a new Citrix environment, for state agencies only. Consider providing a similar service for county and municipal governments across the state as well.	Long	Low	High	Coordination	16
Forums, Meetings & On-line Survey	Data developers across the state don't know how to post their data. There is nothing on the GeoLibrary web site that explains how they should do it.	Indicate on the GeoLibrary Website how data developers across the state can post data. (Data can be posted through the Portal. Using the metadata tool (requirement for data posting) will only take 5 minutes at the most.)	Short	High	Low	Coordination/ Data	7
2002 Strategic Plan Pillar # 1	Develop unified (E-911 and DOT) roads data standard	Work with CIO and Governor's Office to insure a smooth integration of the DOT and E-911 data. Identify other user needs by establishing a work group (including federal, state, county, municipal & private sector participants) (road centerlines versus road edges, etc.). Identify areas where redundancies can be eliminated and cost savings realized.	Long	High	Low	Data	27

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Forums, Meetings & On-line Survey; 2002 Strategic Plan Pillar # 3	Develop one uniform roads (and addressing) dataset.	Work with CIO and Governor's Office to insure a smooth integration of the DOT and E-911 data. Identify other user needs by establishing a work group (including federal, state, county, municipal & private sector participants) (road centerlines versus road edges, etc.). Work to assist agencies in developing an integrated updating mechanism.	Long	High	Medium-High	Data	28
2002 Strategic Plan Pillar # 3 & 2007 Annual GeoLibrary Board Report Priorities, Forums, Meetings & On-line Survey	There is no statewide parcel data.	Implement Integrated Land Records Information System. Initiate an annual grant program that provides funding for municipalities to create and/or update their parcel data to meet GeoLibrary Stds. Use data to "seed" the ILRIS.	Long	High	High	Data	25
Forums, Meetings & On-line Survey; 2007 Annual GeoLibrary Board Report Priorities	Provide updated imagery (every 3-5 years)	Develop a program with consistent annual funding that covers a portion of the state each year. Provide coverage for the highest growth regions every 3 years. Work to take advantage of the NAIP program for the vast amount of rural areas in the state. Use USGS and NGA funding to supplement urban, coastal and high growth areas.	Long	High	High	Data	26
2002 Strategic Plan Pillar # 1	Develop Open Space data standards	Establish a work group with significant geographical and sector dispersion to establish a standard.	Short	Medium	Low	Data	36
Forums, Meetings & On-line Survey	People across Maine have difficulty in downloading or accessing data	Data will be available via web services through the Portal. Other potential solutions include reducing the file size to make them more easily downloadable by local users.	Medium	Medium	Medium	Data	32

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2002 Strategic Plan Pillar # 1	Develop land use data standards	Establish a work group with significant geographical and sector dispersion to establish a standard.	Long	Medium	Low	Data	30
2002 Strategic Plan Pillar # 3; 2007 Annual GeoLibrary Board Report Priorities	Develop zoning data standards	Establish a work group with significant geographical and sector dispersion to establish a standard.	Long	Medium	Low	Data	33
2002 Strategic Plan Pillar # 3, 2007 GeoLibrary Board Annual Report Priorities	Create a conservation land/open space data layer and determine an appropriate update cycle for higher development areas versus areas of limited development.	Obtain funding for data development and updating. Tie this into the development of zoning standards and include in the local government funding program.	Long	Medium	Medium-High	Data	31
2007 Annual GeoLibrary Board Report Priorities	Development needs to be tracked for planners in Maine.	Coordinate the continual collection of development tracking data. Determine if can be development attributes can be added to parcel or land use data to meet user needs rather than creating new dataset. Provide funding for regular data updates to allow historical comparisons.	Long	Medium	Medium-High	Data	37
Forums, Meetings & On-line Survey	Develop new, high resolution, statewide elevation data. Determine appropriate update cycles for various portions of the state.	Develop a program that completes a portion of the state each year and provides overall coverage of the state within 5 years. Establish an update cycle program .	Long	Medium	High	Data	29
2002 Strategic Plan Pillar # 1	Develop Land Use Data	Obtain funding for data development and regular updating.	Long	Medium	High	Data	34

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2007 Annual Report Priorities	Update statewide land cover data	Fund an updated land cover dataset. Establish a time frame and a funding mechanism to update the data, as appropriate on a continuing basis.	Long	Medium	High	Data	35
2007 Annual Geolibrary Board Report Priorities; 2002 Strategic Plan Pillar # 4	Standards, Conformity, and Upgrades Validation	Develop and/or approve and fully communicate standards to users across the state through the web site, the Geolibrary list serve, MEGUG and the state GIS Stakeholders group. Build data conformity and validation software tools. (At the state level, this is currently left to the agency that owns the data.)	Long	Low	Medium	Data	39
2002 Strategic Plan Pillar # 4	Establish a development tracking tool suite	Obtain funding for creation of a tool to track development across the state.	Long	Low	Medium-High	Data	38
2002 Strategic Plan Pillar # 2	Adding a new staff position for addressing increased technology infrastructure improvements as well as the increased volume of data transaction.	Obtain funding and add staff position.	Long	Low	High	Data	40
2007 Annual Report Priorities	Increase DFIRM production	Increase the state's contribution to the production of DFIRM's.	Long	Low	High	Data	41

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2002 Strategic Plan Pillar # 3; 2007 Annual GeoLibrary Board Report Priorities	Zoning data layer development: 1. Shore land zoning; 2. Municipal zoning.	Initiate an annual grant program that provides funding for municipalities to create or update their zoning data to meet GeoLibrary Stds. Consider making this part of the local government GIS funding program. Incorporate this data into the web service templates as it becomes available.	Long	Medium	High	Finance	42
Forums, Meetings & On-line Survey	Need GIS funding for local government	Examine the potential for establishing a GIS grant program for local government to meet specific business needs. Develop a document that defines what GIS is, but more importantly, what GIS does. Determine top uses or potential uses of GIS for local government and provide the funding to use GIS to accomplish meet those needs. Use any such program to encourage data and resource sharing as well as partnership projects.	Long	Medium	High	Finance	43
Forums, Meetings & On-line Survey	Where is training being given around the state and where?	Work with MEGUG and establish an education work group and work with the university consortium and the ESRI certified trainers to post a calendar of training/educational opportunities. Encourage trainers to post their training on the GeoLibrary List Serve. 1. Provide a training program to help them take advantage of Google or Virtual Earth solutions which could meet their base needs. 2. Provide a statewide web service for municipalities. Create web service templates for municipalities to use that provide simple zoning, planning, tax parcel and other applications that don't require GIS expertise.	Medium	High	Low	Training/ Education	44
Forums, Meetings & On-line Survey	GIS is too complicated or too costly		Long	High	Medium	Training/ Education	47

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Forums, Meetings & On-line Survey	Need easier services for generating and understanding metadata	Using the Portal's metadata tool (requirement for data posting), it will only take 5 minutes at the most to create metadata. This must be actively advertise and promote the Portal to the Maine GIS Community. Work with MEGUG and SMU to provide an on-line training program for creating and posting meta data to the Portal.	Short	High	Low	Training/Education	46
Forums, Meetings & On-line Survey	How can I find inexpensive GIS training?	Work with MEGUG to provide an annual Board funded training course across the state.	Medium	Medium	Medium	Training/Education	48
Forums, Meetings & On-line Survey	Provide access to lessons learned	Ask MEGUG to have members provide short write ups on lessons they have learned. Post these to the GeoLibrary list serve and in a "Lessons Learned" portion of the GeoLibrary website.	Long	Low	Low	Training/Education	49
Forums, Meetings & On-line Survey	Who can I contact for help?	Establish an educational section on the website and provide contacts for training opportunities as well as university references. Encourage beginners and others to ask questions on the GeoLibrary List Serve. Consider providing a help desk.	Long	Low	Low-Medium	Training/Education	45
Forums, Meetings & On-line Survey	How do I start a GIS program for my town?	Develop (or adopt) a simple "getting started" kit for municipalities along with statewide municipal web service applications for municipal governments.	Long	Low	Low-Medium	Training/Education	50

Note - 1. In developing this listing of issues and action items from the 2002 Strategic Plan, the 2007 GeoLibrary Funding Priorities, and the Stakeholder Forums and On-Line Survey, several items were combined to reduce redundancy. 2. The recommended priorities shown above are the priorities that have been recommended by the Sewall Team for the GeoLibrary Board's consideration.