

**2009 / 2010 GeoNOVA Secretariat
Annual Report**

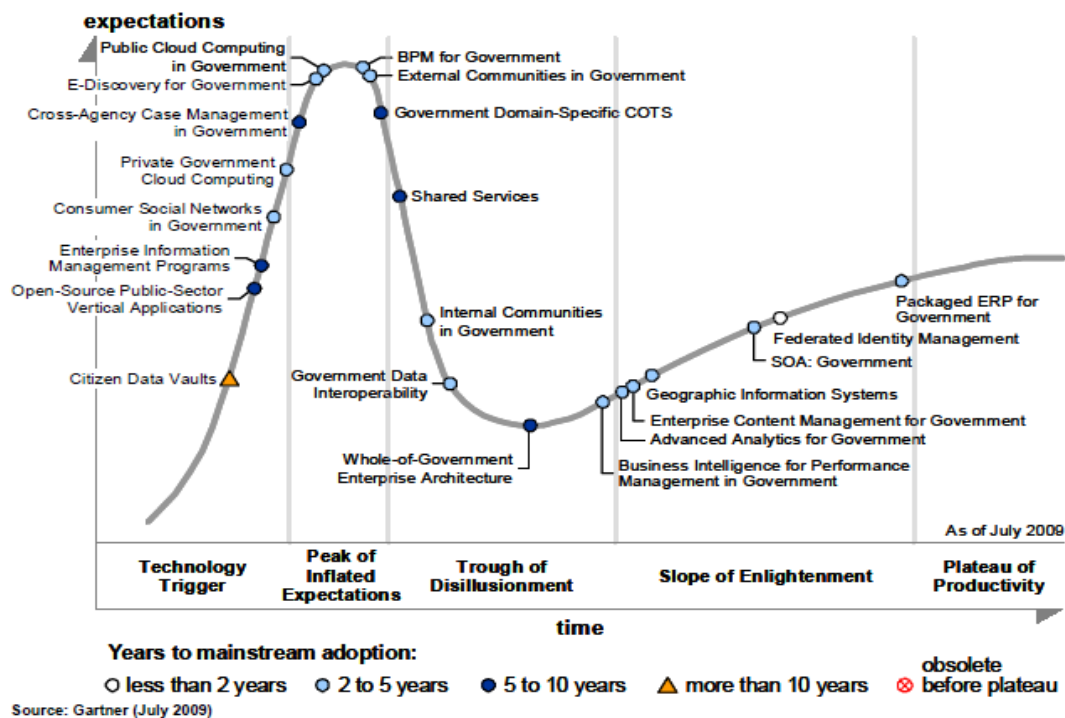
**Prepared for: Deputy Minister of
Service Nova Scotia and Municipal Relations**

HIGHLIGHTS

This report reflects GeoNOVA’s ongoing efforts to communicate corporate geomatics activities. Previous annual reports have been prepared and distributed to the Deputy Minister of Service Nova Scotia and Municipal Relations (SNSMR) as per the GeoNOVA Steering Committee’s Terms of Reference. While it is primarily an internal report the GeoNOVA Secretariat seizes upon various opportunities to distribute it to a broader executive audience within the Government of Nova Scotia.

GeoNOVA continues to forge ahead championing the Province’s commitment and approach to developing and delivering corporate geographic infrastructure and information management systems. GeoNOVA’s guiding principles continue to stand the test of time against an ever changing and emerging information management and geomatics specific back drop. This concerted effort aligns well with a recent article from Gartner Inc. a leading information technology research and advisory company. The article titled Hype Cycle for Government Transformation, 2009 highlights technologies that they believe have the broadest and deepest ability to help public sector organizations achieve their transformation objectives. Within this article Gartner analysts rated Geographic Information Systems as having a High benefit, which is defined as “Enables new ways of performing horizontal or vertical processes that will result in significantly increased revenue or cost savings for an enterprise”.

As the graph below depicts in the next 2-5 years Geographic Information Systems will move to main stream adoption.



2009/2010 was a very exciting year for GeoNOVA, Here are some of the highlights of the Program's accomplishments:

April 2009 – March 2010

1. Successfully completed the Strategic Directions Analysis of the Nova Scotia Topographic Database Topographic Database which was fully endorsed by the GeoNOVA Steering Committee. Compiling this report allowed the GeoNOVA Secretariat to reflect upon the future of the topographic program. This effort allowed the NSTDB to stay abreast of clients' needs and to determine the most efficient use of Program resources. The objective of this strategic plan was two-fold: determining the Program's accomplishments including the value provided to clients, and developing a strategic plan which allows the Program to best meet its client needs into the future while remaining fiscally viable.
2. Delivered GeoNOVA's first Geography Awareness Day – November 18, 2009 which was supported by 6 external partners and very well attended by the public (over 700 people). Building upon the success of GIS Day which is a grassroots event that encourages GIS users to open their doors to schools, businesses and the general public to showcase real – world applications of this important technology. GeoNOVA was able to share their knowledge and passion with others and show the tremendous impact technology is making in our lives each day.
3. Established a Coordinated Geospatial Infrastructure Working Group that will provide the Government of Nova Scotia with a strategic report in, 2010. This plan will focus on the development of necessary computing infrastructure to support Government's geomatics community. GeoNOVA recognized the need for a coordinated approach on many fronts from the potential savings in terms of software and hardware, less duplication of data, lowered overall system maintenance, leveraging corporate database licensing, to streamlining access to data.
4. Completed a strategy for the Nova Scotia Civic Address File which will move the program forward over the next five years. This strategy holds firm to GeoNOVA's principles by building partnerships with data providers that allows for successful information flow.
5. Established a Provincial LiDAR Strategy Working Group to deliver a set of recommendations to the GNS regarding the use of LiDAR technology. GeoNOVA recognized that LiDAR mapping technology is increasingly being recognized in Nova Scotia as an effective tool for mapping highly dynamic environments such as the coastal zone and to support long - term planning. Subsequently, many jurisdictions in Nova Scotia are considering this technology for their own business purposes. For the most part, these considerations and reviews have been conducted independently. GeoNOVA saw the need to formalize these recommendations.
6. Received the endorsement for the GeoNOVA Alliance Data Sharing Model by the GeoNOVA Steering Committee. The GeoNOVA Alliance is a cooperative agreement representing a consolidated, province-wide model for sharing geographic information that agencies who own or want access to geographical information sign onto. GeoNOVA saw the need to examine present data sharing practices and responded to the call from geomatics reactionaries in Nova Scotia.
7. Continued engagement of the Municipal Geomatics Forum which included hosting two well attended Municipal Forums. GeoNOVA recognizes the value of holding Municipal Geomatics Forums and these forums, as in past years, have allowed for important dialogue between the Province and Municipal Units in terms of current Provincial Geomatics related activities and the various projects municipal units may be undertaking.
8. GeoNOVA continued its efforts to dialogue with and informally strategize with the Province of Nova Scotia's Corporate IT Office (CIO). Working with the CIO provides GeoNOVA with an

excellent opportunity to bridge the gap between the IT and GIS world within the Provincial sphere from another truly corporate perspective.

9. GeoNOVA is now recognized as a standing guest on the Department of Natural Resources GIS Steering Committee. The ability to share GeoNOVA's latest efforts and to hear first hand of the various DNR tasks speaks to the strong partnerships that have been formed in recent years.

ACCOMPLISHMENTS FOR 2009/2010

There are two key areas upon which to report GeoNOVA's accomplishments for 2009/10 and they were Program and Policy and Geographic Access

PROGRAM AND POLICY

Part of GeoNOVA's mandate is to promote and create awareness of geomatics in Nova Scotia and this year was no exception.

The Secretariat was highly involved on the planning committee, attended and exhibited at the Annual Geomatics Atlantic Conference (Wolfville, NS) in June 2009. This event was hosted by The Geomatics Association of Nova Scotia (GANS), the Canadian Cartographic Association (CCA), and Association of Canadian Map Libraries and Archives (ACMLA). The

theme for the conference was *Geomatics: The World for Everyone* and focused on the profusion of mapping and location based services that are available to the general public and how the geomatics profession plays an underlying role in facilitating the increasing citizen appetite for geography. The keynote speaker for 2009 was British-American Dr. Michael Goodchild.



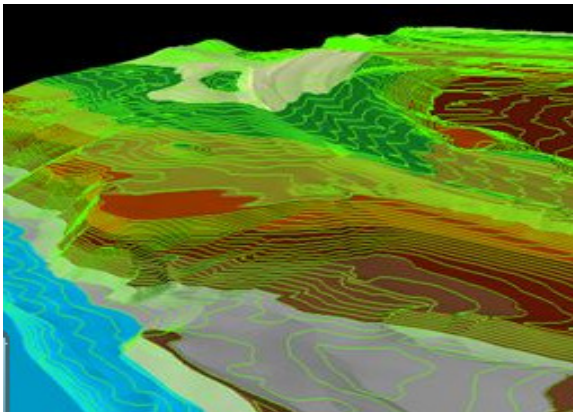
On November 18, 2009 GeoNOVA was proud to host and coordinate a "first time" event known as Geography Awareness Day. This well received promotional event was attended by close to 700 citizens and provided an opportunity for the Department of National Defence; Halifax Regional Municipality; Nova Scotia Power; Department of Natural Resources; College of Geographic Science; Nova Scotia Geomatics Centre; and of course GeoNOVA to display mapping products and show how geography is used in everyday life. Feedback from our booth partners and those who dropped by was very positive. The success of this event has led to plans to broaden the scope of the event in coming years.



GeoNOVA has continued to support the professional geomatics association in Nova Scotia with representation on the GANS (Geomatics Association of Nova Scotia) Board of Directors. Along with building strong collaboration ties, this

representation has contributed to GANS establishing Business Sector and Education sub-committees which are considered firsts for GANS.

GeoNOVA 's contributions to Provincial Coastal planning continued this year with involvement in both the Provincial Oceans Network and the Atlantic Coastal Zone Information Steering Committee. It is evident from the discussions around these tables, geomatics related data and tools are and will be a critical piece of the puzzle as coastal zone management practices grow. PON released the province's first State of Nova Scotia's Coast report in December, 2009. The report was the first of its kind in Atlantic Canada. Serving on PON provided the GeoNOVA Secretariat with the opportunity to better understand the needs of a community with growing concerns over our environment, and our coastal resources. The Atlantic Coastal Zone Information Steering Committee (ACZISC) plays an important role in coordinating inter-jurisdictional efforts relating to the coast in Atlantic Canada. The GeoNOVA Secretariat continued this year to support ACZISC and once again represented the Government of Nova Scotia's geomatics interests on the committee which met quarterly. GeoNOVA also participated in the COIN Atlantic initiative as well which is working to provide open access to data, information and applications relevant to Atlantic Canada.



In 2009 with the support and endorsement of the GeoNOVA Steering Committee a Provincial LiDAR Strategy working group was struck and chaired by GeoNOVA. The LiDAR working group was tasked with delivering a set of recommendations to the GNS regarding the use of LiDAR technology. Lidar technology has been increasing in popularity and as a result it is important that the Government of Nova Scotia develop a position regarding the technology. The working committee is expected to release its findings to the GeoNOVA Steering Committee mid year 2010.

The Province of Nova Scotia is required under legislation set out in the Environmental Goals and Sustainable Prosperity Act to develop a comprehensive water resources management strategy by December 2010. This past year provided the opportunity for the Secretariat to participate in Nova Scotia Environment's Water Strategy Information Management Working Group as the provincial government's geomatics lead. As with work on Provincial Oceans Network, GeoNOVA heard first hand from a critical stakeholder community about the importance that geographic information, tools and technology plays and will play in managing such a precious resource as water.

The Municipal Geomatics Forum is a standing Committee. This work group focuses on geomatics-related issues that impact Nova Scotia's municipalities. They met both in June 2009 and February 2010. Both sessions were very well received. Participants shared they are encouraged by the opportunities GeoNOVA brings to the forum by being able to hear their concerns and share their activities.

Continuing along with effort from last year the GeoNOVA Secretariat delivered upon the request of the GeoNOVA Steering Committee to document a vision and strategic direction for the Nova

Scotia Civic Address File (NSCAF) Over this past year the Secretariat assisted in defining the roles and responsibilities of key stakeholders of the NSCAF.

The Nova Scotia Topographic Data Base Program (NSTDB), the source of base Geographic Information Systems (GIS) data for the Province of Nova Scotia, was on the GeoNOVA Secretariat work plan as well this year. In an effort to ensure that the Government of Nova Scotia continues to provide high quality topographic information, Service Nova Scotia and Municipal Relations deemed it important to revisit the direction of the NSTDB Program. Therefore the GeoNOVA Secretariat was asked to provide a strategic analysis of the NSTDB with two Objectives:



- 1: Determine what the NSTDB has achieved and to
- 2: Develop a Strategic Plan/Direction for the NSTDB Program.

Barrington Consulting provided contract assistance in this effort. A draft report was completed in December 2009 with the final Report being endorsed by the GeoNOVA Steering Committee in February 2010. The report entitled "Strategic Directions Analysis of the Nova Scotia Topographic Database Topographic Database" can be found at www.geonova.ca

Early fall 2009 a Geomatics Infrastructure Working Group was launched with the guidance of the Secretariat. This working group was tasked with preparing a strategic report that includes recommendations for the Government of Nova Scotia regarding a Coordinated Geomatics Infrastructure. Twenty seven user requirements sessions were planned as part of this consultation process with upwards of 110 geomatics professionals across the Government of Nova Scotia. 20 or the 27 sessions were carried out in fiscal 2009/10. The remainder is scheduled for completion early 2010/11. Delivery of this report is slated for mid-year 2010.

Geographic Data Access

Geographic Data Access efforts played an important role during the 2009/10 fiscal year. GeoNOVA's support from a vibrant geomatics community has allowed GeoNOVA.ca, the Single Point of Geographic Information Access in Nova Scotia, to receive continued support. The continued feedback and utilization from the geomatics community across Nova Scotia and beyond has provided the opportunity for GeoNOVA to announce various geomatics events and promote the efforts of numerous geomatics practitioners. The "What's New" feature has continued to provide a very effective way to communicate various geomatics initiatives and the excellent feedback from geomatics practitioners has continued to support GeoNOVA's various online applications.

As in other years, focus has continued on the Nova Scotia Geographic Catalogue. Geomatics users are now utilizing the Catalogue on a daily basis and are seeking opportunities to register as catalogue contributors as well.

The value of downloading data and access via the current Data Download Service (Version 1.0) and GeoNOVA Map Viewer have sparked interest in upgrades and enhancements to these tools.

As outlined in last year's report, the GeoNOVA Secretariat formed a working group to draft a legal agreement that would represent a single data sharing environment in the Province and this agreement was branded the GeoNOVA Alliance. The GeoNOVA Steering Committee endorsed the draft agreement in June 2009 and the Secretariat has been actively consulting with Service Nova Scotia and Municipal Relations legal advisors to finalize the document over the past year.

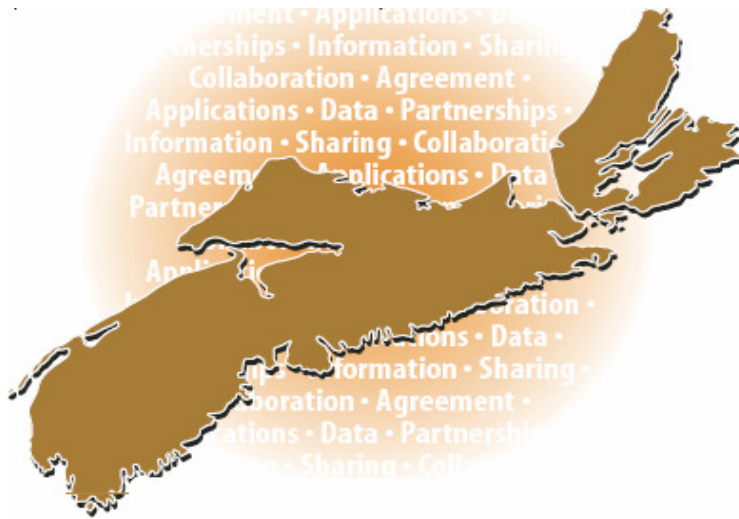
Resource challenges have hampered finalizing the documentation from a legal perspective. Implementation of this new and exciting model continues to be the goal with concentration on core Nova Scotia Geomatics Centre databases being considered as first contributions to the Alliance model. There are several provincial departments eagerly awaiting the full rollout of this tool as it is seen as a means upon which data access activities within government can be streamlined; both for the data custodian and the data user.

GeoNOVA has continued to work with Nova Scotia Geomatics Centre staff to develop version 2 of the GeoNOVA Data Download Service. It is expected a new launch will occur in late summer of 2010. These new enhancements will further broaden the availability of geographic data with exposure to more than Service Nova Scotia and Municipal Relations core datasets. Other Provincial government departments such as the Department of Agriculture are going to be encouraged to provide data sets. This will broaden their ability to share data with many geomatics Stakeholders across the Province and beyond.

In order to improve upon Geographic Data Access the Secretariat began a re-design effort for www.geonova.ca, working with the E-Services team at Service Nova Scotia and Municipal Relations. A highly anticipated launch of the new site is targeted for 2010. This effort provided an opportunity to assist both the Nova Scotia Geomatics Centre and the Land Information Division with re-design of their geographic content as well. This new GeoNOVA site will focus more on a citizen centric design and still provide the required technical support for the industry.

In 2009/2010, the GeoNOVA Secretariat completed a Proof of Concept project that explored Geographic Business Intelligence or GBI. Business Intelligence systems are gaining popularity and mainstream status for how government reports and analyses its business data. Integrating location with this popular reporting technology is an emerging concept and one that we expect to grow increasingly popular over the next few years. While many BI solutions propose to provide mapping tools within their environments the true strength of BI and geography can best be realized when the BI can be integrated with the strong analytical tools of a geographic information system. During 2009 / 2010, GeoNOVA successfully integrated live data from IBM Cognos BI reports into an ArcGIS Server Internet mapping application. The next phase in this effort will be to draft a white paper discussing the potential of GBI and to integrate the mapping component directly into the BI environment.

GeoNOVA continues its efforts to dialogue with and informally strategize with the Corporate IT Office (CIO). This newly created organization with the mandate to plan, organize and direct the efficient and effective use of information and communication technology across government has been able to draw upon GeoNOVA Secretariat expertise as a "trail blazer" in the Provincial



Government. GeoNOVA's program approach which encourages the creation of corporate geographic information resources, collected, maintained and distributed to accepted standards, and shared amongst all users within the Province to support decision making and to reduce duplication of effort has aligned nicely with the corporate strategy of the CIO.

GeoNOVA Secretariat Staff, 2009/2010

Each of the following played an important role in the GeoNOVA Secretariat's accomplishments in 2009/10:

Danny Gray, Director, Geographic Information Services
Ed Light, GeoNOVA Program Manager
Colin MacDonald, GeoNOVA Program Coordinator
Tony Matthews, GeoNOVA Program Coordinator

This year also saw the retirement of Danny Gray as Director of Geographic Information Services who provided significant leadership to the program over the last number of years.

Nancy Saunders who held the position of Director, Land and Property will become the Director, Geographic Information Services on April 1, 2010.

We would like to take this opportunity as in previous years to once again thank all that have and continue to support the corporate commitment of this government in moving the GeoNOVA Vision forward. Key departments and agencies included:

Department of Natural Resources, Corporate Information Technology Operations, Nova Scotia Environment, Elections Nova Scotia, Service Nova Scotia and Municipal Relations (Nova Scotia Geomatics Centre, Communications and E-Service Team), Department of Agriculture, Department of National Defense; Halifax Regional Municipality; Nova Scotia Power; Centre of Geographic Science, AGRG (Applied Geomatics Research Group), Department of Finance (Community Counts), Confederation of Mainland Mi'kmaq, and the PVSC (Property Valuations Service Corporation).



APPENDIX A

2010 / 2011 Priorities

This section presents a preview of the 2010/2011 GeoNOVA Secretariat work plan as approved by the GeoNOVA Steering Committee.

Here are the activities that the GeoNOVA Steering Committee identified as the top ten most important GeoNOVA activities for 2010/2011:

Proposed Priorities	Priority Description
Provincial Geomatics Working Group	The Governance structure of GeoNOVA has always included a “place marker” for a Provincial Geomatics Forum. Past experience has shown GeoNOVA has exposure to a very informative and knowledgeable Provincial group. Efforts in 2010/2011 will concentrate on the re-establishment of an active working group where Provincial Departmental views will be collectively heard. Dialogue amongst Department’s is imperative and healthy.
GeoNOVA Governance Review	As with many organizational structures governance review is paramount and GeoNOVA is no exception. The current governance model is now 2 years out of date and needs review so as to ensure the long term viability of a truly corporate effort.
Geospatial Infrastructure: Architecture Plan	Based upon the findings of the 09/10 Geospatial Infrastructure working group (user requirements and infrastructure recommendations) GeoNOVA is now in the position to initiate the development of a Coordinated Geospatial Infrastructure Architecture Plan. This plan will build on the extensive business requirements research.
GeoNOVA Map Viewer -- GeoNOVA Portal Featured Application	The success of the present GeoNOVA Map Viewer is truly immeasurable but like most applications it is time for an update. Driven by GeoNOVA’s geomatics stakeholder support this online mapping application allows the user to view one or multiple Internet map services in their own Web browser. It is now time to enhance and update this application to meet the citizen growing need for user friendly web map tools and better utilize current and emerging technologies.
Collaboration Environment	Communication methods are changing today and many organizations are using new methods of engaging the people they interact with on a daily basis. To further reach out and take advantage of this wealth of information and build upon the great geomatics network in place, development of GeoNOVA’s first collaboration space are underway.
Geography Awareness Day 2010	Geography Awareness day was a huge success in 2009/2010 and it is GeoNOVA’s goal to build upon that success in 2010. It is proposed that this years focus will be on rural Nova Scotia which may include taking full advantage of the Service Nova Scotia and Municipal Relations Land Registry Offices as a venue to reach more Nova Scotians.
GeoNOVA Alliance: Partnerships	The GeoNOVA Alliance is a cooperative agreement representing a consolidated, province-wide model for sharing geographic information that agencies who own or want access to geographical information sign onto. The goal over the next year is to establish partnerships which will represent 5 – 10 datasets within the Alliance framework.
Nova Scotia Geographic Catalogue: Review and Evaluation by Users and Custodians	The Nova Scotia Geographic Catalogue Search Tool is the gateway to discover maps and other geographic data sets about Nova Scotia. The well utilized Search Tool can be used to specify the geographic extent, keywords, and/or date criteria to find data, maps, or documents published in the Nova Scotia Geographic Catalogue. It is time to further evaluate the success of the Geographic Catalogue by hearing from the data users and custodians which may indeed be a precursor to possible new developments within the application.
Nova Scotia Geographic Catalogue: Technology review	It is anticipated based upon the feedback from custodians and data that the Nova Scotia Geographic Catalogue technology will require some review. Many new tools have been developed within the marketplace that may provide better functionality and integration than the existing tool which is an “in house” development.
Data Download Service: Feedback on V 2.0	Launch of the Data Download Service Version 2.0 is expected to generate lots of user feedback both from the data custodian side and that of data users. GeoNOVA will concentrate efforts to further seek their feedback which will be used to enhance the functionality of the Service.

APPENDIX B Other Proposed Priorities

Other Priorities	Priority Description
GeoNOVA Steering Committee	Under the current Governance model the GeoNOVA Secretariat provides support to the GeoNOVA Steering Committee.
Municipal Geomatics Forum	The value of the ongoing Municipal Geomatics Forum which includes engagement from as many as 55 municipal units from across the Province is a top priority. It is anticipated that 2 meetings will be held in fiscal 10/11 depending upon topics generated by the Municipal participants.
Coordinated Geospatial Infrastructure Working Group	GeoNOVA will continue supporting the Coordinated Geospatial Infrastructure Working Group. They will take the user requirements and recommendations from the first phase of work and oversee development of the geospatial information architecture and associated acquisition and implementation plan.
Geomatics in Education Forum	A previous GeoNOVA Education consult recommended that a Geomatics in Education Working Group be struck. During this consult references were made to the need for a coordinated effort to plan and act on identified opportunities. Suggestions were made that GeoNOVA facilitate sessions with participants from the geomatics industry, public schools and post secondary institutions. GeoNOVA recognizes the importance of this working group and the objectives of these further sessions would be to generate ideas to increase geomatics awareness, promotion of geomatics and to develop joint projects.
Atlantic Coastal Zone Information Steering Committee Participation	Continue to participate in Atlantic Coastal Zone Information Steering Committee as Government's lead and act as a support role for Department of Fisheries and Aquaculture.
Geomatics Association of Nova Scotia	The Geomatics Association of Nova Scotia (GANS) is a non-profit association working towards promoting the further development of the Nova Scotia geomatics industry, thus making it competitive both domestically and internationally, and increasing its material contribution to the provincial economy. GeoNOVA recognizes the continued support of the province's industry association.
Provincial Oceans Network	To facilitate the government's new approach to coastal management, a Provincial Oceans Network (PON) has been established, which is composed of representatives from provincial departments and agencies with responsibilities and interests in coastal and ocean management. Chaired by the Department of Fisheries & Aquaculture, the Provincial Oceans Network serves two core functions: 1) to provide advice and expertise in implementation of the Coastal Management Framework, and 2) to facilitate coordination on coastal and ocean management issues and initiatives within the provincial government. GeoNOVA will continue to participate on the Provincial Ocean Network as a geomatics subject matter expert.
Nova Scotia's Department of Environment's Water Strategy Information Management Working Group	Participate in the Department of Environment's Water Strategy Information Management Working Group as government's geomatics lead. Nova Scotia Environment (NSE) is taking the lead in developing a comprehensive provincial water resources management strategy.
Regional Adaptation Committee	Regional Adaptation Committee participation (Nova Scotia Department of Environment is the lead)
Department of Natural Resources GIS Steering Committee	GeoNOVA has the opportunity to participate on the Department of Natural Resources GIS Steering Committee which meets on a quarterly basis. This provides GeoNOVA with the opportunity to learn of the first hand experience of a strong geomatics player within the Provincial government and gives GeoNOVA the ability to assist where Corporate opportunities warrant.
Geomatics in Education Strategy (Gaps and Opportunities)	GeoNOVA has the opportunity to capitalize on the Geomatics Education Review conducted in 2008/2009. Deliverables of the review included the need to develop a strategic plan as to how to improve the geomatics presence within the public education sector.
Department of Community Services Needs Analysis	The Nova Scotia Department of Community Services continues to enhance its GIS presence. GeoNOVA has offered to provide facilitation and consulting services, delivering a GIS User needs analysis for the Department.
Provincial Google Agreement (Investigation / planning)	GeoNOVA recognizes the perception that continues to mount as to why government is not using google data in all its mapping needs. It is recognized in the industry and it is time to bring to the forefront the opportunities to have localized geography included in this mass market environment. GeoNOVA does not anticipate any specific agreements in 2010/11 but would look at the issue more from a scoping and requirements exercise.
Provincial Lidar Strategy	The recommendations from the 2009 Lidar Working Group will be used to identify and plan strategic efforts in terms of LiDAR technologies.
Provincial Lidar Administration (planning and coordination)	There is an understanding that in the wake of delivering a strategy those presently interested in acquiring Lidar data need a coordination point. In the absence of such a body GeoNOVA will lead said coordination.
Provincial Geospatial Infrastructure: Image Server Proof of Concept	Based upon anticipated need for image services out of the coordinated infrastructure (also a model followed by Newfoundland and New Brunswick). A Proof of concept is proposed. This will be a test environment only in fiscal 10/11 using the existing ESRI Developer Network license now on the ArcGIS servers within Chief Information Office.

Other Priorities	Priority Description
Provincial Geospatial Infrastructure Incremental Growth	To accommodate the incremental growth of the Provincial Geospatial Infrastructure there is a need for a three tiered environment (Development, Test, and Production). Presently, GeoNOVA has a Production environment that also serves as a test environment. There is a need to acquire Test environment hardware. Maintaining existing environment plus recognize addition of new computing power to their environment.
Geospatial Infrastructure: Tangible Capital Asset Submission	Based upon business requirements coming out of the 2009/2010 Provincial Geospatial Infrastructure working group effort and the plan to be developed in 2010/2011 a Tangible Capital Asset submission to Treasury and Policy Board is anticipated.
Business Intelligence Mapping - White Paper	Based upon the findings of the 2009/2010 proof of concept and the planned 2010/2011 SAP proof of concept GeoNOVA will need to put forward their findings to the Business Intelligence Working Group being led by the Chief Information Office.
Business Intelligence Mapping - SAP Proof of Concept	GeoNOVA is aiming for a Public Service Commission partnership in the area of Business Intelligence and it will expand upon GeoNOVA's experiences in the COGNOS proof of concept of 2009. The aim would be to integrate SAP Human Resource Information with GIS.
Business Intelligence Mapping - Application Prototype for Government's internal use	Once the Proof of concept work is complete in regards to Business Intelligence mapping, GeoNOVA anticipates producing an internal facing GIS application.
ESRI Enterprise License Agreement	GeoNOVA will be managing the ELA's which is based on the assumption that the Tangible Capital Funding receives approval. Otherwise GeoNOVA will be managing the operational maintenance only.
Nova Scotia Map Store - Business Requirements and Analysis	GeoNOVA has identified the need to define the requirements for a corporate NS Map Store based upon Functional; Technical and Branding related issues. This will also include the need to Consolidate map related web content into a single web site for both free and fee products and incorporate an e-commerce tool
GeoNOVA General Communications	Presently there are four key elements to the GeoNOVA message. In addition to the every day activities of the Secretariat. They include the following: GeoNOVA website, GeoNOVA Alliance, Data Download Service and Nova Scotia Geographic Catalogue. There needs to be a concentration on communications. Stakeholders need to understand the linkage between them all.
Website redesign	In 2009/2010 Service Nova Scotia and Municipal Relations initiated a web site redesign and they required GeoNOVA to change its look and feel, etc. GeoNOVA is moving toward enhancing content to align with the Departmental design.
Workshop: GNS IT Sector / Geomatics	The link between IT professionals and the geomatics sectors is indeed one that requires some concentration since more and more of the work of one hinges heavily on the work carried out by the other. GeoNOVA is championing the need to conduct an information workshop between the IT and geomatics sectors of Nova Scotia.
Workshop: Geomatics in Policy	GeoNOVA is proposing to conduct a policy oriented workshop between government policy types and the Nova Scotia geomatics sector.
Professional Development Workshop – in conjunction with the Department of Education	A directed request from the Education and Geomatics consults in 2008/2009 was to Deliver 1-3 Professional Development workshops to teachers in areas such as Science, Social Studies, History, etc. demonstrating the opportunities geomatics might bring to teaching in the classroom.
Workshop: Geomatics in Emergency Preparedness	Emergency Preparedness is a topic that is on the minds of many geomatics professionals. GeoNOVA would like to conduct a workshop centered around the benefits now obtained by applied GIS in Emergency Preparedness as well as understand some of the difficulties in addressing emergency preparedness in several sectors of GNS.
Spring Into Geomatics 2010	The opportunity to once again host Spring Into Geomatics for 2010 is on the horizon and GeoNOVA is building upon the successes of previous events.
GeoNOVA Promotion: Land Registry Offices and Access Nova Centres.	The Department of Service Nova Scotia and Municipal Relations have a number of regional offices (Land Registry and Access Nova Scotia sites) that serve the general public. The Map Librarians and GIS Professionals that work in these offices are key to assisting GeoNOVA get its message out to the public. Presently though they are an area of untapped communications.
Geomatics Atlantic 2010 Attendance	The opportunity to participate at Geomatics Atlantic 2010 is paramount. The conference is being held in Fredericton, New Brunswick. Once again, GeoNOVA will have the opportunity to promote the local sectors with targeted issues and presentations.
ESRI User Conference	The opportunity to attend the ESRI User Conference which is being hosted in New Brunswick will provide an excellent opportunity for GeoNOVA to learn about the latest ESRI GIS Technologies.
Mining Matters Conference	In the fall of 2010 The Department of Natural Resources (DNR) will co-host with several partner organizations its 34 th annual fall conference focusing on the vital role that geology plays in our daily lives and the contribution of mineral development to the provincial economy and a sustainable future.

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