

1970	1980	1990	2000	2010
<p>SUBJECT EVOLUTION</p> <p>Management of Science, Technology and Policy Organizations Knowledge infrastructure Strategic planning and management</p> <p>Data Collection Technology R&D Sustainable development information systems Science-Action Environmental Results Management Establishment of New Science Institute Internet GIS data base access Public Participation Internet enabled Knowledge , information management, communication in a global organization Science –policy-practice loop Enabling communities of practice, Digital divide strategies Civil society empowerment</p> <p>Ecosystem surveys, regional planning National, International ecosystem frameworks and standards Science-Policy link Cross sectoral policy and program development and management Science-Issue-Policy Mass Communication, visualization Decision support systems Management of informatics/ Knowledge Infrastructure</p> <p>Land data systems → Ecosystem information Systems → Policy and issue information systems → Societal / corporate decision supports systems; Geo- Business Analytics</p>				
<p>POSITION CHRONOLOGY</p> <p>Chief , Forestry Canada Land Inventory Chief Integrated Surveys Div. Director Land Resources & Data Systems Science Advisor St. Lawrence Action Plan A/ Director Canadian Wildlife Service , Quebec Region Executive Director. Intl. Centre for Spatial Info. Management. Geomatics International Inc President Ecolinformatics International Inc</p> <p>Head, Applications Division Canada Centre For Remote Sensing Director Water Planning and Management, Env. Can. CIO, International Union for the Conservation of Nature – IUCN, Switzerland Executive Director Canadian Institute of Geomatics</p> <p>Chief Manitoba Remote Sensing Center</p>				
<p>SPECIAL ASSIGNMENTS</p> <p>Chair Manitoba Remote Sensing Committee Executive Director Canada Committee on Ecological Land Classification Transition Team lead- Environment Canada Integrated Monitoring and Assessment Program Review Dev. of Business Plan for IUCN; e-IUCN Strategic Action Plan; Strategic Review of Regional Offices; Sustainable Dev., World Summit on Information Society Chief Editor Geomatica, The Canadian Journal of Geo-informations Science, Technology & Practice</p> <p>Env. Impact assessment South Indian Lake, Churchill-Nelson Diversion Chair, UNEP expert panel on Global Land Monitoring Founding President, Canadian Society for Landscape Ecology and Management Board of Directors World Conservation Monitoring Centre</p> <p>Visiting Professor Landscape Architecture University of Manitoba President Can. Remote Sensing Society Canadian Co-chair, International Joint Commission Great Lakes Water level Reference, Coastal Zone Impacts Digital Opportunities and the World summit on Sustainable Development, Johannesburg</p>				
<p>Highlights of results</p> <p>Implemented World's 1st GIS Geographic Information System National and Cross-sectoral Land use policy co-ordination Developed 1st Web Based GIS in the world Recognized as pioneer org. in the Canadian Information Highway Initiatives Launch of Red List, Global data base of endangered species Development of e-World Conservation Atlas Turned around Canadian Institute of Geomatics from 'loss' to 'profit'</p> <p>Established Manitoba Remote Sensing Centre Set up of Applications Dev. in one of the first Remote Sensing Centres in the world. 1st Wetlands Policy in Canada Management innovation for International Environmental Action Plan Long term Science and technology Strategies For Leading science organizations: •Canadian Forest Service, •Canada Centre for Remote Sensing Biodiversity Strategy for Dept. Of National Defence; Climate Change Adaptation strategies for the CCFM</p> <p>Canada's ecosystem classification and inventory system, now accepted as the ecoregional framework for Canada Established National Professional Society Management innovation of inter-disciplinary programs monitoring and Assessment Programs</p>				