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GeoConnections Program:
Public Health and Public Safety/Security Community-Based Focus*

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Presentation Title: GeoConnections Program: Public Health and Public Safety/Security Community–Based Focus

GeoConnections is a national partnership and funding initiative led by Natural Resources Canada. This program provides Canadians with location-based data, tools and services over the Internet. First launched in 1999, GeoConnections was formed as a national collaboration to develop an online resource called the Canadian Geospatial Data Infrastructure (CGDI). In Canada's 2005 federal budget, GeoConnections was renewed for an additional five years to maintain, operate and expand the CGDI in four key areas:

- public safety and security
- public health
- environment and sustainable development
- matters of importance to Aboriginal peoples

GeoConnections meets its objectives largely by co-funding projects. The projects encourage the program's four key audiences to collaborate with the Canadian geomatics community in developing solutions for decision-makers based on the principles of the CGDI.

In the Public Safety/Security and Public Health communities GeoConnections is focused on helping make location-based data and technologies accessible and useful to decision-makers. To support the public safety and security community, GeoConnections is focusing on the following two emergency management priorities:

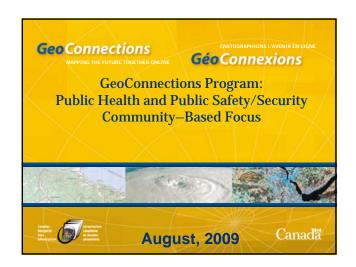
- critical infrastructure identification
- situational awareness and assisting with consequence management

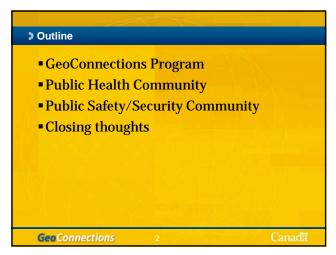
In the Public Health Community the GeoConnections program is focusing its efforts on supporting decision makers in two priority areas:

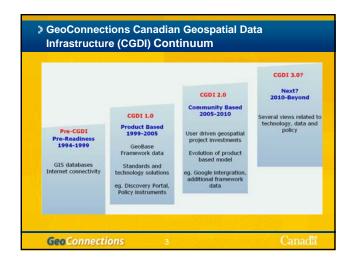
- population health surveillance
- health emergency response and inter-emergency planning.

The government's investment to date has created many of the collaborations that have successfully developed new applications of geospatial information in the Public Safety/Security and Public Health user communities. GeoConnections has successfully supported projects through the project lifecycle (strategic/business plans, user need assessments, implementations). The program focus on the Public Health and Public Safety/Security user communities has showcased the benefits of applying Spatial Data Infrastructures principles to address priority community issues.

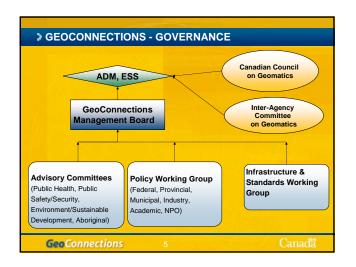
The presentation will focus on discussing the evolution of the GeoConnections program to a user community-based focus and outline the priorities, challenges and projects in the Public Safety/Security and Public Health Communities.

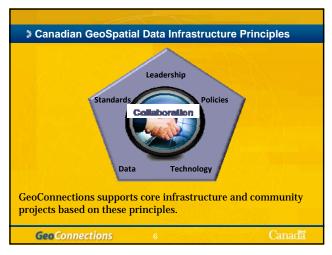


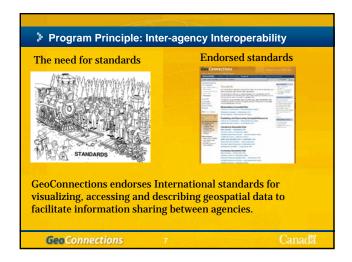


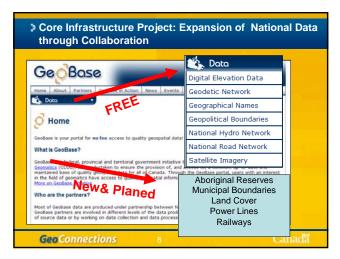


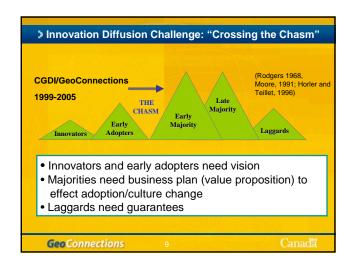






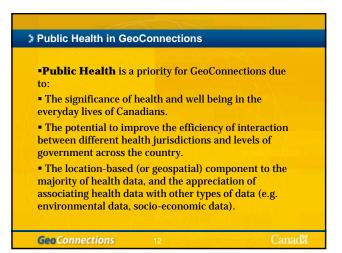












⇒ Community Challenges

- Varying levels of knowledge and expertise in geospatial analysis, including its utility in public health practice;
- The abundance of data needed to address public health issues, and the lack of awareness in addressing basic data issues.
- Lack of a consistent and sustainable communication strategy, in particular for the sharing and development of statistical techniques and methodologies.

Geo Connections 13 Canada

> Public Health Community Priority Areas

- 1. Population Health Surveillance
- 2. Health Emergency Response and Inter-Emergency Planning

With emphasis on projects that:

- Develop awareness and understanding of geospatial analysis within the public health community
- Increase training and build capacity in both human and financial resources – for geospatial analysis
- Build tools that allow for the secure sharing of geospatial information between organizations and across multiple jurisdictions

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Community Project: Advancing Health Geomatics Analysis Capacity TU Courses Health Geomatics Analysis Capacity Turn Courses Health Geomatics Geomatics (Glo) Turn Courses Health Geomatics Healt

