

**First Forum
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Geospatial Policy Development and Institutional Arrangements *

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Geospatial Policy Development and Institutional Arrangements:

The Canadian Context

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Seoul, Korea, October 24, 2011



Natural Resources
Canada

Ressources naturelles
Canada

Canada

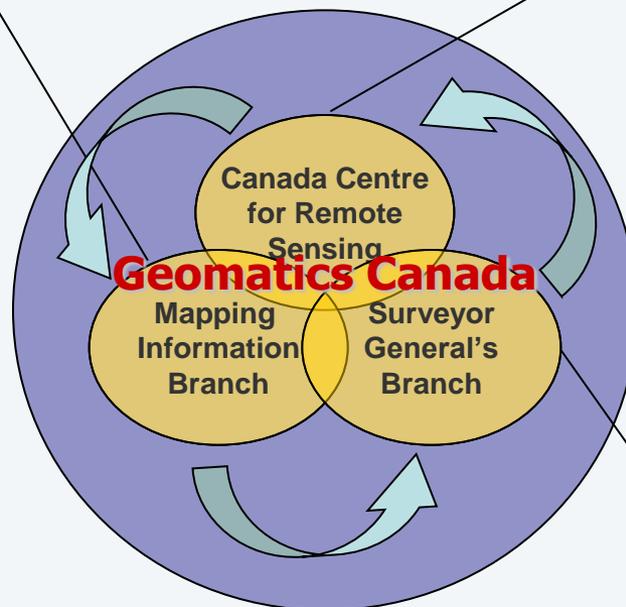
To provide an overview of geospatial policy challenges and institutional arrangements in Canada:

- challenges
- Canada's national geomatics authority
- national geomatics stakeholder community
- revitalizing geomatics governance
- expected outcomes

- Rapid technological advances and expanding world market for innovative geomatics products and services
- Expansion of private sector influence in geomatics
- Engaged and techno-savvy public
- Global economic environment
- Centralized delivery models

Natural Resources Canada (NRCan)

- National Topographic mapping
- Aerial photography
- Geographic names
- National Atlas
- GeoGratis portal
- One-Stop Geoportal
- Applications to integrate multiple sets of data on a location frame
- GeoConnections III:
 - Canadian Geospatial Data Infrastructure (CGDI) – standards, operational policies, data, infrastructure
 - Strategic policy and governance

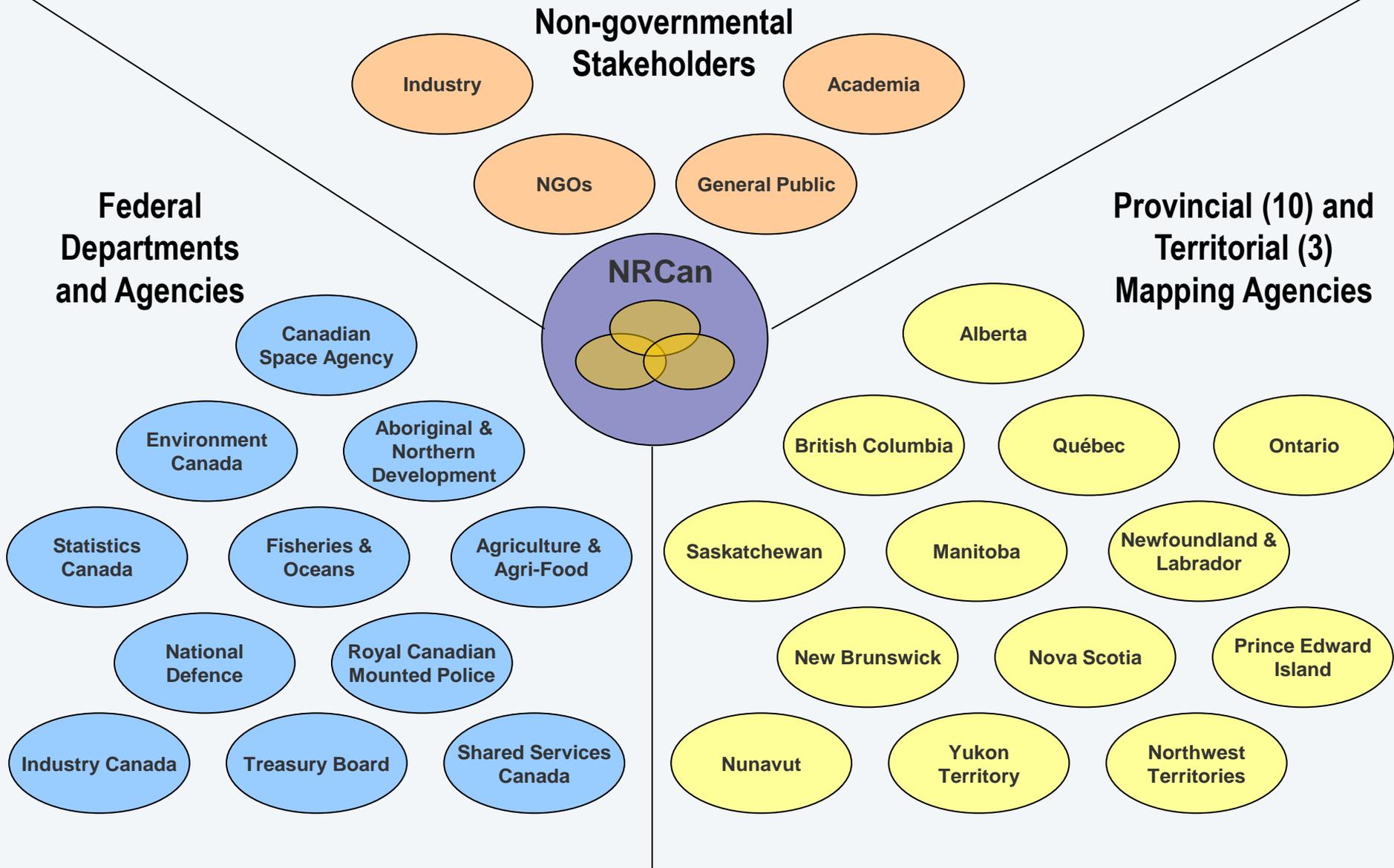


- Applications development to support mandates and priorities
- Framework for space earth observation data stewardship
- Ground station infrastructure
- Height reference system modernization
- National elevation and imagery strategies
- Reference frame definition

Aligned to Government of
Canada priorities

- Jurisdictional / legal boundaries
- First Nations Land Administration Renewal
- Ocean management (marine cadastre)
- System modernization

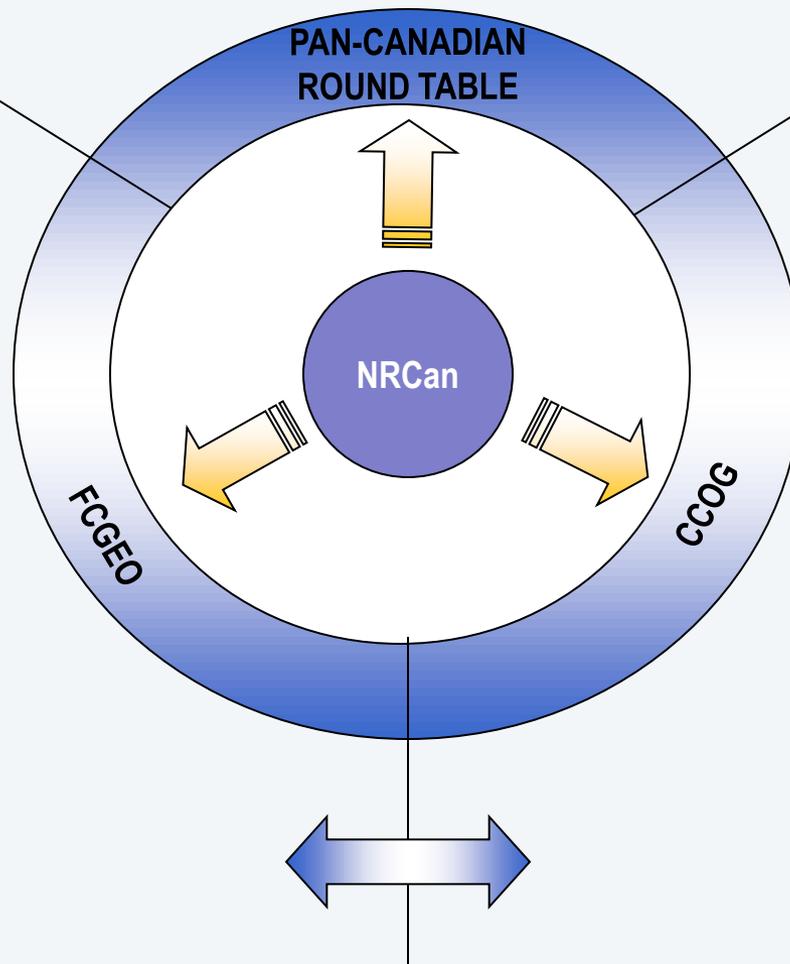
Canada's Geomatics Stakeholder Community



Geomatics Governance in Canada

Pan-Canadian Round Table
(Industry/NGO/Academia/Provincial/Territorial/Federal)
Community approach to the development and implementation of a National Geomatics Plan and Strategy for Canada

Federal Committee on Geomatics and Earth Observation
(Federal Departments and Agencies)
Merger of the Federal GEO and EO communities to establish strategic direction on federal policy, interoperability, and infrastructure relating to geomatics and earth observation in support of Government of Canada priorities



Canadian Council on Geomatics
(Federal-Provincial-Territorial Mapping Agencies)
40-years of FPT cooperation to advance geomatics activities of common interest and facilitate data collection and integration between jurisdictions



- Greater efficiencies and economies of scale in the production, management and dissemination of geospatial data and information
- Enhanced multi-jurisdictional collaboration that includes the private sector
- Geomatics and geographic information that directly supports national policy priorities (e.g. the Arctic, water, national security), including those with regional and global implications/scope
- More effective policy and decision making by governments - improving safety and security, and generating social, economic and environmental benefits
- More effective data-sharing and collaboration with other nations