



## **Geomatics for the Sustainable Development of Natural Resources**

**T**he Earth Sciences Sector (ESS) of Natural Resources Canada (NRCan) has established a new program called Geomatics for the Sustainable Development of Natural Resources (GSDNR) to provide basic geospatial data and information. This program will support the actions and decisions required to sustain our resources.

The GSDNR program will provide consistent, reliable, accurate geomatics information, including well-defined property rights, to ensure that our clients and stakeholders have the capacity to make efficient and effective decisions on sustainable development issues at the national or community level.

This information will include an appropriate mix of digital maps; earth observation imagery (basic & value-added); tools and methodologies for extracting and integrating earth sciences data. On-going improvements will be made to the reliability and use of the information, incorporating new sources of data where applicable and moving toward integration with other reference sources of data.

GSDNR and its associated portfolio of projects will provide some of the essential core sets of geospatial information required by a wide range of applications and decision processes related to the management of natural resources.

Based on consultation with clients and stakeholders, the program will be targeting 3 aspects essential to support more effective and efficient actions and

decisions by stakeholders and clients with regards to their natural resources management issues:

- Geospatial data standardization to ease usage and information exchange amongst stakeholders
- Data quality of core geospatial data for better decision-making
- Awareness of the usage of geospatial information by decision makers involved in resource management.

### **Portfolio of Projects:**

- Ensuring Validated of Earth Observation Datasets
- GeoBase – Altimetry and Hydrography
- GeoBase – Landsat-7 - National Imagery Coverage
- GeoBase – National Transportation Networks
- Geographical Names
- Geomatics Services to Clients in Support of National Parks and Offshore
- Integrated National Thematic Frameworks
- New Map Distribution Model
- Communications, Outreach and Assessment
- Standards and Access for Geodetic Services

### **For more information:**

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