



Earth Observation in Canada's Knowledge Economy

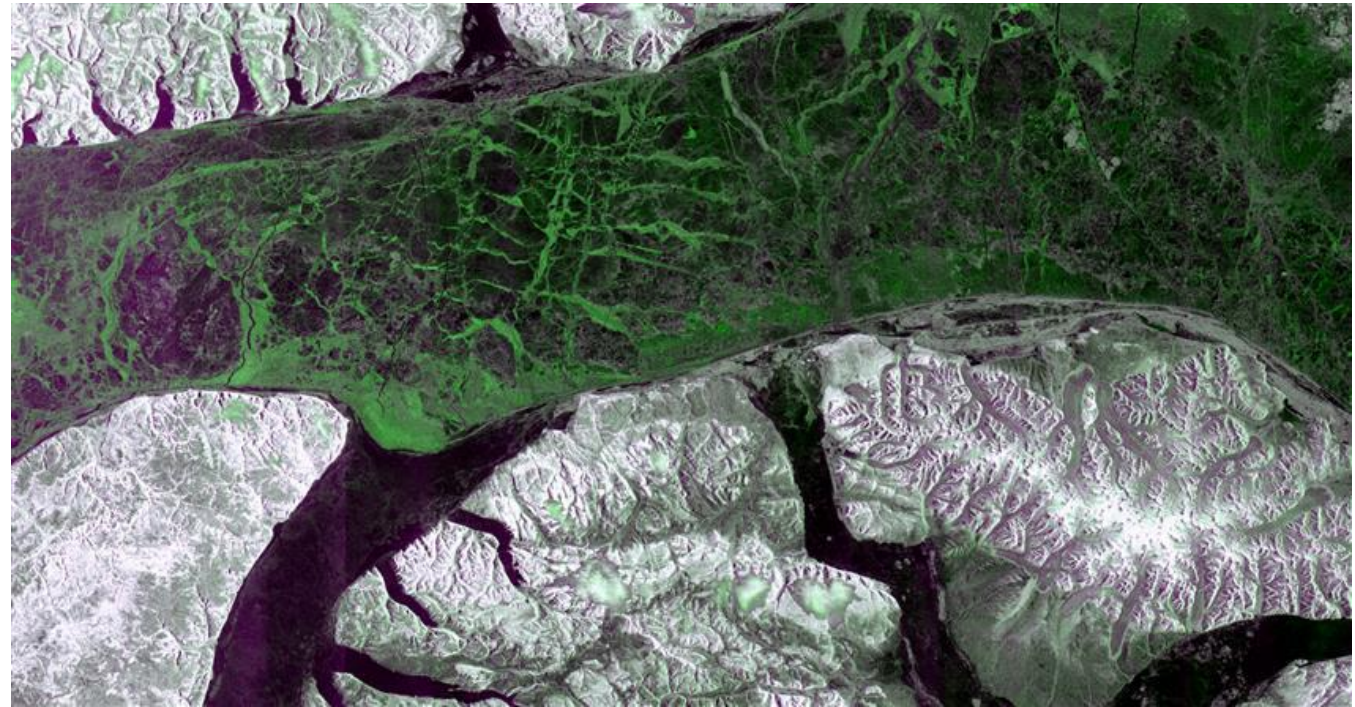
Arctic Development Expo 2023

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- ❑ Science: development of applications, methodologies, and systems
- ❑ Operations: EO data acquisition, management, access, services
- ❑ Policy and Business Development: partnerships, agreements, regulatory framework



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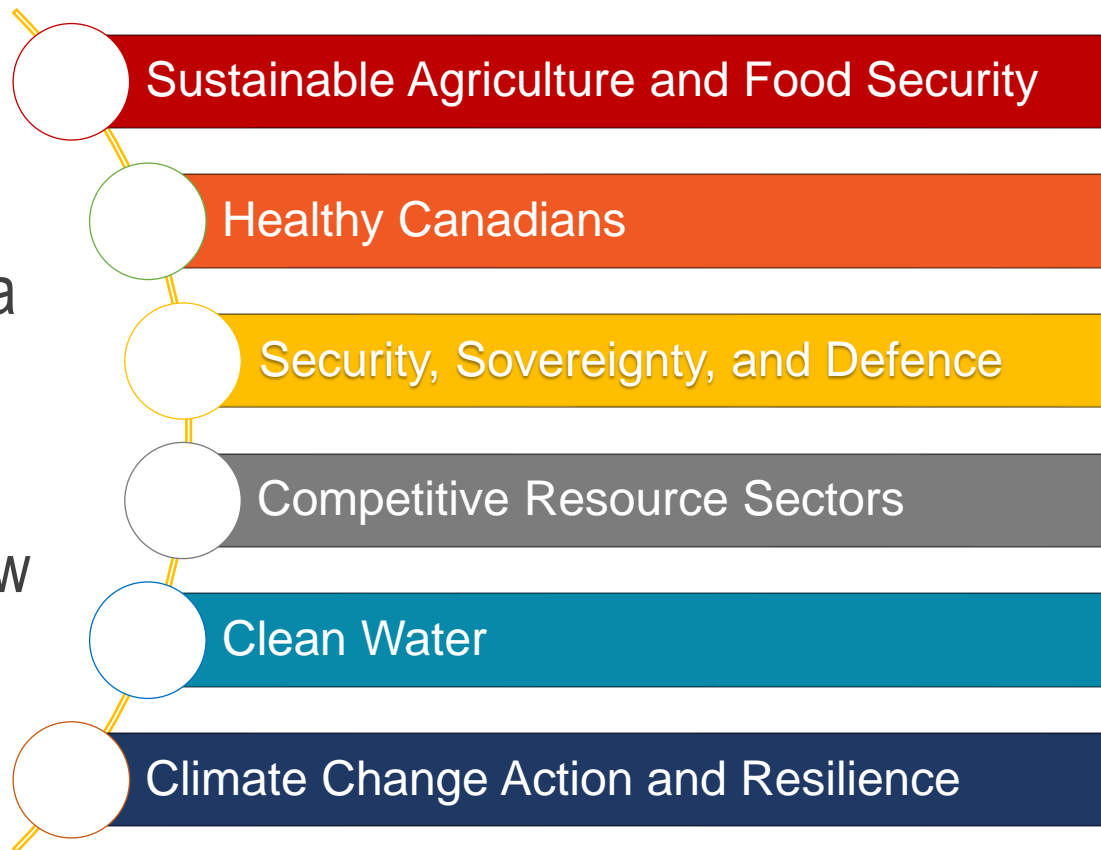
Earth Observation Division Operations

- ❑ Canada's civilian ground station network
- ❑ Satellite support services for RADARSAT Constellation Mission, RADARSAT-2, SciSat, NeoSat
- ❑ Earth Observation Data Management System (EODMS)
- ❑ Emergency Geomatics Services



Resourceful, Resilient, Ready: Canada's Strategy for Satellite Earth Observation

- National strategy to guide Canada's EO investments over 15 years
- B2021 – Funding to modernize Canada data receiving infrastructure
- B2022 – Funding for WildfireSat
- Currently, the SEO Roadmap is under review to determine near future priorities
- Many new projects are on the horizon



Progress Report: Next Generation Ground Segment

- ❑ Budget 2021 provided capital and ongoing O&M to modernize Canada's data receiving infrastructure
- ❑ Contract for new antennas and supporting infrastructure awarded, projects are underway
- ❑ Earth Observation Data Management System has moved to the Cloud
- ❑ Support for academia – the CSA Cubics program has been formalized

The screenshot displays the EODMS web interface. At the top, there is a navigation bar with the Government of Canada logo and a search bar. Below this, a breadcrumb trail reads: [Canada.ca](#) > [Natural Resources Canada](#) > [Maps, Tools and Publications](#) > [Satellite imagery and air photos](#). The main content area is divided into two sections: 'Start' and 'Map Options'. The 'Start' section includes a welcome message, a search bar, and links for 'Download Emergency Flood Maps' and 'NOAA/METOP AVHRR'. The 'Map Options' section shows a map of the region around Inuvik, Aklavik, and Shallow Bay. The map includes a scale bar (20km/10mi) and coordinates (68.45514°N 134.83225°W). A 'Fullscreen' button is visible in the top right corner.



Progress Report: Inuvik Satellite Station Facility

- ❑ Phase 3 Road Rehabilitation
- ❑ Power and fibre connection from Phase 2 to 3
- ❑ Two tri-band antenna systems on Phase 3
- ❑ Northern Innovation Centre



Data Access

- A new National Master Standing Offer provides Indigenous groups with full access to Government of Canada purchased satellite imagery available through the EODMS

Regulatory Framework

- Global Affairs Canada has initiated a permanent Advisory Committee, as a follow-on to their Ad Hoc Advisory Committee, to continue discussions with government, academia, and industry about how to modernize the administration of Remote Sensing Space Systems Act.
- ISED is streamlining its RF licensing procedures.





Questions?



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