





NRCan/GSC 2008 update  
for the CCCESD



[www.nrcan.gc.ca](http://www.nrcan.gc.ca)

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**Outline**



**Government and NRCan directions on  
Linkages with Universities**

**GSC program goals**

Questions/Comments

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## Federal Government Outcome: More effective Canadian S&T



### “Advantage Canada” and the Federal “S&T Framework”

#### Independent Panel of Experts on Transferring Federal Non-Regulatory Laboratories

- Federal government labs: 25,000 people, \$4 billion
- “Overarching goal: enhanced realization of the potential of the scientific and technological capacities of government, academia and the private sector for the benefit of Canadians.”
- Report released June 2008

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## Federal Government Outcome: More effective Canadian S&T



- 56 proposals received, 6 involving GSC
  - The IPE clarified the use of the word “Transferring” - not shifting ownership (divestiture), but creation of a new entity.
- 5 early candidates identified, 2 asked to prepare business cases
  - Environment Canada – Wastewater Technology Centre
  - Health Canada – Safe Environments Laboratories
  - National Research Council – Aerospace Manufacturing Technology Centre
  - Agriculture and Agri-food Canada – Cereal Research Centre
  - Natural Resources Canada – Geoscience Laboratories
- Ongoing discussions with Carleton, University of Ottawa, and NRCan to create a new insitute

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## Federal Government Outcome: More effective Canadian S&T



NRCan/GSC believes more can be done in achieving the goals the IPE wants to achieve:

- increased value/efficiency of federal investments in S&T;
- enhanced quality of scientific activities through fostering research excellence;
- expanded opportunities for learning and knowledge transfer; and,
- improved Canadian economic competitiveness

We welcome discussions and opportunities that will help achieve these goals

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## Geoscience: Many opportunities for collaboration



### New Economic Development Initiative

- Geo-mapping for Energy and Minerals announced by the Prime Minister in August 2008
  - \$100M over 5 years
  - Northern Economic Development focus
  - Co-plan, co-deliver with the Territories and Provinces
  - 75% in the Territories
  - Provinces are expected to cost-share
  - Complete reconnaissance mapping of the North in 10 years
  - Northerners need to benefit
    - Advisory Group of Northerners
    - Industry experts best-practices
- We are actively seeking more university involvement
  - Projects, RAP, logistics, student hiring, etc

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## NRCan Outcome: Economic Development



- Targeted Geoscience Initiative – 3
  - Renewal in 2010 – expand scope
- Mountain Pine Beetle
  - Finishes 2009 – refocus and renew?
- Sustainable Offshore Resource Development
  - Enhance focus on offshore energy
- Gas Hydrates
  - Lead development of a national strategy
- Carbon Capture and Storage
  - Storage capacity Atlas
- *Geothermal [nascent]*

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## NRCan Outcome: Environmental Stewardship



- Safe Environment
  - Improve mitigation of impact from development activities under CEAA
- Aquifer Assessment for Groundwater Management
  - Ensure completion of the inventory of 30 key aquifers
- *Integrated approach to water [nascent]*
  - Needs an inclusive framework
  - The Water/Energy nexus

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## **NRCan Outcome: Sovereignty, Safety & Security**



### **Sovereignty**

- UNCLOS
  - Complete submission to UN for 2013

### **Safety and Security**

- Enhancing Resilience in a Changing Climate
  - Identify impacts and facilitate adaptation
- Canadian Hazard Information Service
  - Provide information needed in event of civil emergencies, notably natural hazards
- Reducing Risks from Natural Hazards
  - Natural hazard risk mitigation

## **NRCan Outcome: Sovereignty, Safety & Security**



### **Geographic Foundations**

- GeoBase
- GeoConnections
- Canada-US Boundary
- Land Claims Property Rights
- Atlas of Canada
- Understanding Canada from Space
- Topographic Mapping

Questions? Comments?

