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EARTH SCIENCE SECTOR
GENERAL INFORMATION PRODUCT 105e

**Geo-mapping for Energy and Minerals
(GEM-2) Call for Grant Proposals**

Geological Survey of Canada

2014

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Canada 

Call for Grant Proposals: Geo-mapping for Energy and Minerals Program, Phase 2 (GEM-2)

The GEM-2 program has an available budget to fund grant agreements with Canadian academic collaborators to complement existing GEM research. Over the next six years, the program is looking to support innovative, multi-year proposals from established research groups to help to develop long-term Canadian geoscience capacity and to address pressing resource industry needs in the North.

The program is currently seeking proposals of less than \$50K for projects to be completed by March 2015.

The program will be releasing a second call for larger multi-year proposals later this year; approved 2014-15 proposals can be used to prioritize related research proposals for April 2015 to March 2018.

The GEM-2 Proposal Template is available online at the [GEM Publications RSS Feed](#)

Proposals must be received by July 2nd 2014 to GEM@NRCan-RNCan.gc.ca

Proposals will be evaluated upon receipt – we encourage proponents to submit before the deadline.

For more information:

Louise Laverdure, Director; GEM@NRCan-RNCan.gc.ca;
601 Booth Street, Room 220, Ottawa ON, K1A 0E8

Please circulate this call for proposals to any additional parties who may be interested.

Program Objectives

- The Geo-Mapping for Energy and Minerals (GEM) program is a 12 year initiative to significantly advance and modernize geological knowledge in the North
- Phase 2 of the GEM Program was announced by Prime Minister Harper on August 22, 2013, with renewed funding of \$100M over seven years to complete modern regional scale geological maps and data sets for Canada's North
- GEM-2 will continue to provide geoscience knowledge that has been instrumental to making informed resource investment and land-use decisions in the North
- To reduce knowledge gaps in geosciences in northern Canada, the GEM Program will develop strategic collaborations with the Canadian academic community to help develop long-term Canadian capacity and complement existing GEM research
- Research conducted must focus on priority research areas for GEM-2 and contribute to framework geological mapping in the North (see Priority GEM-2 Research below)

Criteria

- Proposed research must contribute to long-term Canadian research capacity, demonstrating innovation in the development of ideas and methods that are applicable to industry needs
- Established high-performance and high-capacity Canadian research groups (established Chairs, Consortiums, etc.) will be prioritized
- Proponents that leverage resources from other partners/collaborators (e.g., industry/university cash/in-kind support, complementary NSERC grants/stipends, etc.) will be prioritized
- Selection will be based on scientific merit and capacity to deliver the proposed work



Priority GEM-2 Research

- Six regions of interest have been identified in northern Canada based on geoscience knowledge gaps and the underlying regional geological structure (see Figure 1)
- Proposed research **must** advance modern geological understanding in at least one region of interest, by contributing to the following priority themes:
 1. Metallogeny of northern Canada
 2. Glacial history and drift prospecting of northern Canada
 3. Evolution of Canada's northern sedimentary basins
 4. Thermochronology and low temperature thermal history of northern Canada
 5. Tectonothermal evolution of northern Canada
 6. Characterization of seabed features in Canada's northern petroleum basins
 7. Crustal architecture of northern Canada
- Scientific questions which are being pursued by GEM research staff can be provided if requested

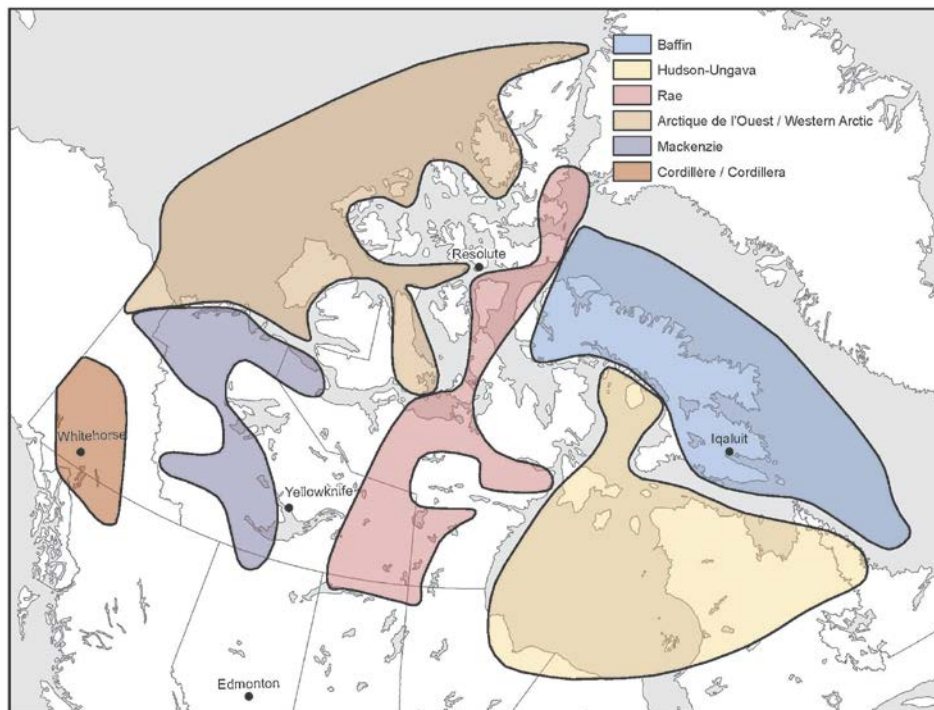


Figure 1: GEM-2 Regions of Interest

GEM-2 GRANT PROPOSAL TEMPLATE – 2014/15

Proponent Organization name, Mailing Address *(Please specify if proponent is an established Chair or academic research group)*

Proposed Project Title:

Proposed amount of Funding being requested *(Not to exceed \$50K)*

\$ _____ Can.

Project Description *(Please specify how proposed research supports GEM-2 objectives, identify specific GEM-2 priority research areas addressed, and indicate how proposal is innovative and contributes to long-term Canadian geoscience capacity)*

Background/Context:

Objective/Purpose

Detailed Work Plan (provide specific timelines and milestones):



Budget: Using the table below, provide a detailed accounting as to how FY 2014-15 Grant funding is expected to be utilized	
Budget Item	Anticipated Expenditure
Salaries & Benefits	
Students (B.Sc., M.Sc., Ph.D) [please provide name(s) below]	
Postdoctoral fellows (PDFs) [please provide name(s) below]	
Field-related Costs	
Field travel expenses	
Accommodation	
Food & Beverages	
Fuel	
Field Equipment	
Field Rental/Leases	
Machinery, Field equipment	
Motor Vehicles (i.e. automobiles, Trucks, ATVs, etc.)	
Aircraft, ships & boats	
Informatics equipment	
Miscellaneous goods and products	
Non Field-related Costs	
Professional & Special Services	
Scientific and Research Services (e.g., Specialized technical advisory/consulting services, etc.)	
Laboratory Services (e.g., analytical geochemistry, isotope analyses, geochronology, etc.)	
Informatics Services (e.g., 3-D modeling services, seismic processing, etc.)	
Non-Field related Domestic and International Travel/Meeting expenses	
Computer equipment/software	
Telecommunications equipment	
Communications Material - costs related to publishing, printing services, exposition and related services	
Facilities Rentals	
Postage, freight, express & cartage	
Other Costs (please specify)	
Administrative/Business Service Costs	
Specialized Business Services (Accounting & Audit, Administrative, Legal, Engineering and Architectural, Health and Welfare; Protection; Informatics, Translation, etc.) [Please specify type of service below]	
Other Miscellaneous Expenditures [please specify below]	
TOTALS	

Anticipated Project Outcomes/Results (provide specific deliverables, including dissemination plan)

Benefits of Funding Project	
To Canada:	
To Industry:	
To the Proponent:	
RESEARCH TEAM (Provide evidence that the project team has the necessary capabilities, experience and qualifications to deliver the project)	
LEVERAGE (Provide an estimate of the resources that will be contributed by the Proponent organization and other partners/ collaborators (e.g., industry/University cash/in-kind support, complementary NSERC grants/stipends, etc.))	
OTHER COMMENTS (For example, has ESS/GSC previously provided Grant/Contribution funding; is the initiative supported by other stakeholders/ partners).	
PROPONENT CONTACT INFORMATION (Name, title and affiliation of Project Authority)	Proposal submission Date:

