

## **ADVANCE CONTRACT AWARD NOTICE (ACAN)**

### **1. Advance Contract Award Notice (ACAN)**

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

### **2. Definition of the requirement**

The Department of Natural Resources Canada (NRCan) has a requirement to carry out collaborative research with the vendor and supply example data for testing. The work will involve the following: In collaboration with project lead, refine all aspects of the GeoScience Ontology (GSO) as being built in the LOOP 3D research project (<https://loop3d.org>) / Canada3D research project <https://canada3d.geosciences.ca/>.

Testing of the ontology via:

- a) refinement of prior ontology development, primarily related to (but not limited to) refinement of various modules, such as geological properties, rock types, minerals, petrophysics, time scales, and others to be determined.
- b) development of examples from LOOP project data,
- c) development of examples from Canada3D project data,
- d) deployment of examples within LOOP/Canada3D semantic databases, and
- e) development of reports and scientific papers in collaboration with the project lead.

### **3. Criteria for assessment of the Statement of Capabilities**

Any interested supplier must demonstrate by way of a statement of capabilities that it meets the following requirements:

Experience

- o 10 within last 15 years experience in collaborative academic/government research projects on geological knowledge representation, minimally involving the NADM (North American geological Data Model) and GeoSciML (GeoScience Markup Language) conceptual schemas.

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- 10 within last 15 years experience in development of general geological ontologies, as well as specific ontologies for geological mapping/modelling;
- 10 years experience using Protégé, ttl, rdf, xml, owl;
- 5 years experience with semantic databases (triplestores, graph dbs, reasoners) and related query languages (SPARQL, GeoSPARQL) with applications to geology.

Knowledge and understanding:

- DOLCE (Descriptive Ontology for Linguistic and Cognitive Engineering) and BFO (Basic Foundational Ontology) as applied to geology,
- the GSO ontology as being developed within the LOOP / Canada3D research project.

Academic qualifications:

- must possess a PhD in geology.

Access to IP: access to the GSO ontology, currently not public.

4. **Applicability of the trade agreement(s) to the procurement**, Not applicable
5. **Set-aside under the Procurement Strategy for Aboriginal Business**, Not applicable
6. **Comprehensive Land Claims Agreement(s)**, Not applicable
7. **Justification for the Pre-Identified Supplier**

The supplier mentioned in section 13 below is the only known supplier that meets the mandatory criteria set out in section 3 above.

Should Canada receive a statement of capabilities from a supplier that contains sufficient information to indicate that it meets the requirements set forth in this ACAN, a competitive process will be triggered with a technical and financial evaluation methodology of the bids proposed by the potential bidders

8. **Government Contracts Regulations Exception(s)**

The following exception(s) to the *Government Contracts Regulations* is invoked for this procurement under subsection: *subsection 6(d) - "only one person is capable of performing the work"*.

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The identified supplier, **Stephen M. Richard** is the only one able to meet all of the criteria identified in paragraph 3 above

9. **Exclusions and/or Limited Tendering Reasons**, Not applicable

10. **Ownership of Intellectual Property**

Canada intends to retain ownership of any Foreground Intellectual Property arising out of the proposed contract on the basis that the main purpose of the contract is *to generate knowledge and information for public dissemination.*

11. **Period of the proposed contract or delivery date**

The proposed contract is for a period of One (1) year from date of award to March 31, 2021 with the *option to extend the contract* period for two (2) one-year periods.

12. **Cost estimate of the proposed contract**

The estimated value of the contract, including option(s), is \$75,000.00.

13. **Name and address of the pre-identified supplier**

Stephen M. Richard  
2234 Rainbow Ridge Road  
Tucson, Arizona USA 85745

14. **Suppliers' right to submit a statement of capabilities**

Suppliers who consider themselves fully qualified and available to provide the services described in the ACAN may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

15. **Closing date for a submission of a statement of capabilities**

The closing date and time for accepting statements of capabilities is September 25, 2020 at 2:00 p.m. EST.

16. **Inquiries and submission of statements of capabilities Inquiries and statements of capabilities are to be directed to:**

Julia Pace  
1 Challenger Drive

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Dartmouth, NS  
Telephone: 902-719-4856  
E-mail: [julia.pace@canada.ca](mailto:julia.pace@canada.ca)