

**Expression of Interest Response Form****Technology Validation Program, LOOKNorth**

LOOKNorth is a Centre of Excellence for Commercialization and Research (CECR) under the Network of Centres of Excellence program. It supports sustainable development of Canada's Northern resources through implementation of innovative remote sensing technologies.

LOOKNorth's Technology Validation Program (TVP) promotes the implementation of monitoring technologies to provide breakthroughs in the sustainable development of Canada's Northern and oil sands resources. The program demonstrates and validates remote sensing and other monitoring technologies for use in the North and is intended as a precursor to long-term implementation of these technologies to support Northern resource development. Sectors of interest are oil & gas, mining, hydro-power and marine transportation.

<b>Submitter Information</b>	
Proposal Title:	
Submitted by:	
Industry sponsor(s):	

<b>Proposal Information</b>		
Resource Sector Application Area:	<input type="checkbox"/> Mining <input type="checkbox"/> Oil & Gas	<input type="checkbox"/> Hydro-Power <input type="checkbox"/> Transportation
Geographical Region of Interest:		
Base Technology:		
Total Project Duration:		
Total Project Value:		
Environmental Assessment Checklist Attached: <input type="checkbox"/>		
Eligible cost information has been reviewed: <input type="checkbox"/>		

**NOTE: This is a fillable PDF form. Use only the space provided to respond. Additional material will not be reviewed or considered.**

***Project and Submitter Information:***

1. Describe the project:

2. Describe the impact(s) of a successful TVP project:

a) *Contribution to Sustainable Resource Development:*

b) *Benefits to the SME or other SMEs:*

c) *Benefits to Northern Communities:*

3. Describe the information gap being addressed:

4. *Suitability of the proposed solution:*

a) *This technology/data product will bridge the gap because:*

b) *The limitations of this technology are:*

5. Describe the Industry Gap:

6. Industry sponsor commitments, including co-funding:

7. Describe the technology level of readiness:

8. Submitter's corporate description, including size:

9. Describe the submitters corporate experience:

a) Indicate experience executing complex and/or remote sensing projects in the past 5 years:

b) Indicate that the submitter has sufficient resources (HR and Financial) to undertake the project:

*NOTE: A copy of externally prepared financial records or past project references, resumes of proposed personnel, along with detailed work package descriptions and quarterly budget amounts will be required at the proposal stage.*

**10. Provide a description of the project activities and budget:***a) Give a brief summary of the anticipated work packages:**b) Describe the budget (total amount, sources, eligible contribution from LOOKNorth):***11. An industry sponsor letter demonstrating a commitment to the implementation of the technology upon meeting a set of pre-defined performance metrics.**☐ A letter of commitment attached.☐ A letter of commitment will be submitted with a full proposal.**12. Point of contact for this EOI response:****Submitter Point of Contact Information**

Name:	
Company:	
Mailing Address:	
Telephone:	
Email:	

## Appendix – Instructions

### Detailed Descriptions

The following is intended as a reference in filling in out the EOI Form on Pages 1 through 7.

Use the space provided in the fillable PDF form. Be concise, and use point form where appropriate. Use only the space provided. Additional material supplied with the EOI form will not be considered in the evaluation.

<b>Submitter Information Section</b>	
<b>Proposal Title:</b>	Enter the title of the proposal.
<b>Submitted by:</b>	The submitter of the proposal should be the provider and commercializer of the technology.
<b>Industry sponsor(s):</b>	This is the resource sector industry sponsor(s) who has agreed to provide funding or in-kind to the project.

<b>EOI Information Section</b>	
<b>Resource Sector:</b>	Select one of the four sectors of interest to LOOKNorth.
<b>Geographical Region of Interest:</b>	Please identify the regions that the solution will be used in, for example: Canada's North or oil sands.
<b>Base Technology:</b>	The technology that forms the basis of the solution: for example, aerial based radar, optical satellite, etc.
<b>Total Project Duration:</b>	This is the total duration for the project funded by LOOKNorth. The maximum duration is two years.
<b>Total Project Value:</b>	This is the total project value, including all contributions (either cash or in-kind).
<b>Environmental Assessment Checklist:</b>	A completed Environmental Assessment Checklist must be provided along with the completed EOI template. This document is available on the LOOKNorth website at: <a href="http://www.looknorth.org/looknorth-programs-overview/technology-validation-overview/technology-validation-4">http://www.looknorth.org/looknorth-programs-overview/technology-validation-overview/technology-validation-4</a>
<b>Eligible Costs:</b>	<p>Indicate that the proposal submitter has taken into account the eligible cost criteria for LOOKNorth funds. Eligible costs that can be claimed by the proponent include:</p> <ul style="list-style-type: none"> <li>• salaries for technical and professional staff (limited to payroll costs plus a maximum of 20% burden);</li> <li>• materials and supplies directly related to the project;</li> <li>• travel and accommodations for onsite demonstrations/validations;</li> <li>• data costs.</li> </ul> <p>The <i>Tri-Agency Financial Administration Guide</i> is used as the key reference to determine what constitutes an eligible.</p> <p><a href="http://www.nserc-crsng.gc.ca/Professors-Professeurs/FinancialAdminGuide-GuideAdminFinancier/FundsUse-UtilisationSubventions_eng.asp">http://www.nserc-crsng.gc.ca/Professors-Professeurs/FinancialAdminGuide-GuideAdminFinancier/FundsUse-UtilisationSubventions_eng.asp</a>.</p>



<b>Project Description Section</b>	
<b>1. Describe the project:</b>	Provide a concise overview of the project, its objective, timeline and results.
<b>2. Describe the impact(s) of a successful TVP project:</b>	Describe how this TVP, when successfully implemented, will affect a) sustainable resource development, b) provide benefits to SMEs, and c) benefit Northern stakeholders. Specifically, you can address: <ul style="list-style-type: none"> <li>▪ Increased safety of operations;</li> <li>▪ Increased understanding of a project's impact on the environment and therefore increased effectiveness of mitigation strategies;</li> <li>▪ More cost-effective operations;</li> <li>▪ Reduction in capital cost of projects;</li> <li>▪ Reduction in permitting process timelines;</li> <li>▪ Commercial impacts such as increased SME revenues and increased jobs for highly qualified personnel;</li> <li>▪ Increased international recognition of Canadian remote sensing technologies.</li> </ul>
<b>3. Information Gap:</b>	Describe what challenge exists for the industry and why.
<b>4. Suitability of the proposed solution:</b>	a) Describe how the proposed technology/data product solution or service will overcome the challenge.
	b) Describe any application limitations of the base technology or the proposed solution in addressing the challenge.
<b>5. Industry Gap:</b>	Projects should address a need in industry not sufficiently addressed at the current time. If other solutions exist, describe them and why they are not equivalent to the solution proposed.
<b>6. Industry sponsor commitments, including co-funding:</b>	All proposals require at least one industry sponsor and a letter of support from that sponsor. The letter of support is not required at the EOI stage; however it will be required with a proposal. The submitter should indicate the degree of commitment that the sponsor is willing to undertake, including the % of co-funding, the willingness to accept the technology/data product as a service should the technology validation prove successful, and other future plans to adopt the technology/data product.
<b>7. Describe the technology level of readiness:</b>	Projects proposed should have a remote sensing technology as part of the solution. The technology/data product being described should be ready for demonstration as defined as Technology Readiness Level 7 ( <a href="http://esto.nasa.gov/files/TRL_definitions.pdf">http://esto.nasa.gov/files/TRL_definitions.pdf</a> ).
<b>8. Corporate Description:</b>	At a minimum, describe the size of the submitter enterprise, number of full-time-equivalent employees and annual revenue.

<b>9. Describe the submitter's corporate experience:</b>	a) Describe the submitter's experience in implementing complex and/or remote projects over the past five years. Demonstrate a capacity to see these projects through to completion. b) Show that the submitter has, or has a plan to have, the required financial and human resources in place to successfully complete the project as proposed.
<b>10. Provide description of the project activities and budget:</b>	a) List and very briefly describe the work packages that will make up the project. b) List the total project budget, along with the co-funding amount(s) and what is being requested from LOOKNorth.
<b>11. Letter of support:</b>	Indicate whether a letter of commitment from the industry sponsor is attached, or that one will be submitted with a proposal.
<b>12. Point of Contact:</b>	Indicate the point of contact for response to this EOI submission.