

Ontario Centres of Excellence Inc.

Expression of Interest Form – Centre for Earth and Environmental Technologies

Please complete and return by e-mail to: Don.Lewis@oce-ontario.org, or Michael.Fagan@oce-ontario.org, or Richard.Worsfold@oce-ontario.org

Project Title: Standardizing Web-based G.I.S. Applications for Forestry

Project Leader: Dr. Peter Deadman

Title of Position: Associate Professor and Associate Chair, Graduate Studies

University/Department: University of Waterloo, Department of Geography

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Partner(s) / Problem Owner(s)

Name of Organization: Tembec Industries Inc.

Contact Name and Title: Ken Durst, Forest Information Services Coordinator

Mailing Address: 1 Government Road, Kapuskasing, ON. P5N 2Y2

E-Mail: ken.durst@tembec.com

Phone/Fax: 705-337-9886/705-337-9785

Name of Organization: Forestry Research Partnership

Contact Name and Title: John Pineau, Extension Manager

Mailing Address: Canadian Ecology Centre, P.O. Box 430, Hwy. 17 West, Mattawa ON P0H 1V0

E-Mail: john@canadianecology.ca

Phone/Fax: 705-744-1715 ext. 585/705-744-1716

Problem/Issue Research will Address: [In 3 or 4 sentences, what is the problem you intend to solve?] The forest industry has not generally recognized or made good use of Geographical Information System (G.I.S.) website capabilities to enhance or improve the communication of forest management planning, operational activities, and forest certification (F.S.C.). This type of standardized on-line G.I.S. interface is becoming more imperative to develop, not only in terms of effective communication with the public and special interest groups, but also with respect to forming the 'front-end' interface for a more comprehensive forest inventory management system that needs to be developed. This research project will investigate the best approach and the best tools for implementing a web-based G.I.S. interface to develop standards for the forest industry, and will allow on-line access to forest inventory data as the 'user' component of a large-scale forest inventory management system.

Target Technology/Solution: [In 3 or 4 sentences, what technology or solution is expected]. In addition to a peer-reviewed and accepted approach to the interactive display of forest inventory related G.I.S. data on the world-wide-web; a useful, useable and robust software application will be developed and made available as a 'front-end' component of a full-scale and comprehensive forest inventory management system (proposed in a separate expression of interest entitled: *Forest Resource Inventory Management System – Scoping and Feasibility Study*).

Technology Receptor(s): [What organization(s) will use/commercialize the technology?]

Tembec Industries Inc., as well as other forestry sector companies will use this web-based G.I.S. interface. The software will be commercialized through an appropriate business specializing in G.I.S. application development. This web-based software component will be modular/plug and play to the Forest Inventory Management System now under consideration for research and development.

Project Duration: Months _____ or Year(s) 3

Investment and Leverage (Year 1): Differentiate between cash and in-kind support to the proposed project.

	All or Part of Year One		Year Two (if appl)		Year Three (if appl)	
	Cash	In-Kind	Cash	In-Kind	Cash	In-Kind
OCE (Requested):	\$20k		\$20k		\$20k	
Partner (1) Tembec	\$6k	\$3k	\$6k	\$3k	\$6k	\$3k
Partner (2) FRP	\$30k	\$5k	\$30k	\$5k	\$30k	\$5k
Other(s)						
Total	\$56k	\$8k	\$56k	\$8k	\$56k	\$8k