



<p>RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>Atlantic Region Procurement & Contracting Contracting and Procurement Division, Finance Branch, Environment Canada 17th Floor, 45 Alderney Drive, Dartmouth NS B2Y 2N6</p> <p>BID SOLICITATION DEMANDE DE SOUMISSIONS</p> <p>PROPOSAL TO: ENVIRONMENT CANADA</p> <p>We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and conditions set out or referred to in the document, at the price(s) provided.</p> <p>SOUSSION À: ENVIRONNEMENT CANADA</p> <p>Nous offrons d'effectuer ou de fournir au Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document, au(x) prix indiqué(s).</p>	<p>Title – Titre Analysis, Quality Control and Validation of Canadian Wetlands Data</p>	
	<p>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP K2A51-14-9100</p>	
	<p>Date of Bid solicitation (YYYY-MM-DD) – Date de la demande de soumissions (AAAA-MM-JJ) 2014-12-30</p>	
	<p>Bid Solicitation Closes (YEAR- MM-DD) - La demande de soumissions prend fin (AAAA- MM-JJ)</p> <p>at – à 2:00 P.M. on – le 2015-02-10</p>	<p>Time Zone – Fuseau horaire Atlantic</p>
	<p>F.O.B – F.A.B Destination</p>	
	<p>Address Enquiries to - Adresser toutes questions à Jennifer Legere</p>	
	<p>Telephone No. – N° de téléphone 902-426-9940</p>	<p>Fax No. – N° de Fax 902-426-2690</p>
	<p>Delivery Required (YEAR-MM-DD) – Livraison exigée (AAAA- MM-JJ) 2015-03-31</p>	
	<p>Destination - of Services / Destination des services See herein.</p>	
	<p>Security / Sécurité There is no security requirement associated with this requirement.</p>	
	<p>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l'entrepreneur</p>	
	<p>Telephone No. – N° de téléphone</p>	<p>Fax No. – N° de Fax</p>
	<p>Name and title of person authorized to sign on behalf of Vendor/Firm: (type or print) / Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</p> <p>Signature Date</p>	



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TITLE: Analysis, Quality Control and Validation of Canadian Wetlands Data

PART 1 - GENERAL INFORMATION

1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 and Other Requirements includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, the Non-Disclosure Certification, and the Mandatory Requirements and Evaluation Criteria.

2. Summary

- 2.1 Environment Canada has a requirement for a Contractor to analyze and validate Canadian wetlands data previously collected. Additional information can be found in the Statement of Work at Annex A of the Request for Proposal document. The contract period is anticipated to be from date of award to March 31, 2015 with the option to extend the contract for one (1) additional one (1) year period.
- 2.2 Bidders must provide a list of names, or other related information as needed, pursuant to section 01 Integrity Provisions of Standard Instructions 2003.
- 2.3 For services requirements, Bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in article 3 of Part 2 of the bid solicitation.
- 2.4 The requirement is subject to the Agreement on Internal Trade, the North American free Trade Agreement, and the World Trade Organization – Agreement on Government Procurement.
- 2.5 There are no security requirements associated with this requirement.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.



PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2014-09-25) Standard Instructions - Goods or Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The standard instructions 2004 are modified as follows:

Under “Text” at 02:

Delete: “Procurement Business Number”

Insert: “Deleted”

At Section 02 Procurement Business Number

Delete: In its entirety

Insert: “Deleted”

At Section 05 Submission of Bids, Subsection 05 (2d):

Delete: In its entirety

Insert: “send its bid only to Environment Canada (EC) as specified on page 1 of the bid solicitation or to the address specified in the bid solicitation;”

At Section 06 Late Bids:

Delete: “PWGSC”

Insert: “Environment Canada”

At Section 07 Delayed Bids:

Delete: “PWGSC”

Insert: “Environment Canada”

At Section 08 Transmission by Facsimile, Subsection 08 (1):

Delete: In its entirety

Insert: “Bids may be submitted by facsimile if specified in the bid solicitation.”

At Section 12 Rejection of Bid, Subsection 12 (1) a. and b.:

Delete: In their entirety

Insert: “Deleted”

At Section 17 Joint Venture, Subsection 17 (1) b.:

Delete: “the Procurement Business Number of each member of the joint venture,”

Insert: “Deleted”

At Section 20 Further Information, Subsection 20 (2):

Delete: In its entirety

Insert: “Deleted”



2. Submission of Bids

Bids must be submitted to Environment Canada (EC) at the address and by the date, time and place indicated on page 1 of the bid solicitation.

3. Former Public Servant – Competitive Bid

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, Bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform Bidders of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c.C-17, the *Defence Services Pension Continuation Act*, 1970, c.D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c.R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c.R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c.M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is Bidders a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.



By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** () **No** ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

Signature: _____

Date: _____

4. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) business days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that Bidders do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

5. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to Bidders.

6. Basis for Canada's Ownership of Intellectual Property

Environment Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following grounds:

- (6.4.1) the main purpose of the contract, or of the deliverables contracted for, is to generate knowledge and information for public dissemination.



7. Improvement of Requirement During Solicitation Period

Should Bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, Bidders is invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least five (5) business days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (1 hard copy)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders; and
- 3) print on both sides of the paper.

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Part 4, Evaluation Procedures, contains additional instructions that Bidders should consider when preparing their technical bid.



Section II: Financial Bid

- 1.1** Bidders must submit their financial bid in accordance with the Basis of Payment in Annex B. The total amount of Applicable Taxes must be shown separately.
- 1.2** Bidders must submit their financial bid in Canadian funds and in accordance with the Basis of Payment in Annex B. The total amount of Applicable Taxes must be shown separately.
- 1.3** Bidders must submit their rates FOB destination; Canadian customs duties and excise taxes included, as applicable; and Applicable Taxes excluded.

1.4 Price Breakdown

In their financial bid, Bidders is requested to provide a detailed breakdown of the price for the following elements for the performance of the Work, as applicable:

- (a) Professional fees: For each individual and (or) labour category to be assigned to the Work, Bidders should indicate: i) the firm hourly rate or the firm daily rate, inclusive of overhead and profit; and ii) the estimated number of hours or days, as applicable. Bidders should indicate the number of hours in one working day.

The professional fees must include the total estimated cost of all travel and living expenses that may need to be incurred for:

- (i) Work described in Part 7, Resulting Contract of the bid solicitation required to be performed within the National Capital Region (NCR). The NCR is defined in the *National Capital Act*, R.S.C. 1985, c. N-4, S.2. *The National Capital Act* is available on the Justice Website: [http://laws-lois.justice.gc.ca/eng/acts/N-4/;](http://laws-lois.justice.gc.ca/eng/acts/N-4/))
- (ii) travel between the successful bidder's place of business and the NCR; and
- (iii) the relocation of resources

to satisfy the terms of any resulting contract. These expenses cannot be charged directly and separately from the professional fees to any contract that may result from the bid solicitation.

- (b) Equipment (*if applicable*): Bidders should specify each item required to complete the Work and provide the pricing basis of each one, Canadian customs duty and excise taxes included, as applicable. These items will be deliverable to Canada upon completion of the contract.
- (c) Materials and Supplies (*if applicable*): Bidders should identify each category of materials and supplies required to complete the Work and provide the pricing basis. Bidders should indicate, on a per category basis, whether the items are likely to be consumed during the performance of any resulting contract.
- (d) Travel and Living Expenses (*if applicable*): Bidders should indicate the number of trips and the number of days for each trip, the cost, destination and purpose of each journey, together with the basis of these costs without exceeding the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the *National Joint Council Travel Directive* and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".
- (e) Subcontracts (*if applicable*): Bidders should identify all of the proposed subcontractors and provide in their financial bid for each one a price breakdown.



- (f) Other Direct Charges (*if applicable*): Bidders should identify all of the categories of other direct charges anticipated, such as long distance communications and rentals, providing the pricing basis for each and explaining the relevance to the work described in Part 7 of the bid solicitation.
 - (g) Applicable Taxes: Bidders should indicate the Applicable Taxes separately.
- 1.5** Bidders should include the following information in their financial bid:
- (a) Their legal name; and
 - (b) The name of the contact person (including this person's mailing address, phone and facsimile numbers and email address) authorized by Bidders to enter into communications with Canada with regards to their bid; and any contract that may result from their bid.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of Bidders itself (which includes the experience of any companies that formed Bidders by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

1.1 Technical Evaluation

Mandatory and point rated technical evaluation criteria are included in Annex D.

1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, Canadian customs and excise taxes included.

2. Basis of Selection

- 1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation;
 - b. meet all mandatory technical evaluation criteria; and
 - c. obtain the required minimum of 296 points (80%) overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 370 points.

Bids not meeting (a) or (b) or (c) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated information to be awarded a contract. The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its



obligations under the Contract, if any certification made by Bidders is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify Bidders' certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

2. Additional Certifications Required Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform Bidders of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

2.1 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

Signature: _____ **Date:** _____



2.2 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

Signature: _____ **Date:** _____

2.3 Rate or Price Certification

The Bidder certifies that the price proposed

- a. is not in excess of the lowest price charged anyone else, including the Bidder's most favoured customer, for the like quality and quantity of the goods, services or both;
- b. not include an element of profit on the sale in excess of that normally obtained by the Bidder on the sale of goods, services or both of like quality and quantity, and
- c. does not include any provision for discounts to selling agents.

Signature: _____ **Date:** _____

PART 6 – SECURITY AND INSURANCE REQUIREMENTS

1. Security Requirement

There are no security requirements associated with this requirement.

2. Insurance Requirements

Bidders must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Bidder, if awarded a contract as a result of the bid solicitation, can be insured in accordance with the Insurance Requirements specified in the contract.

If the information is not provided in the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.



PART 7 - RESULTING CONTRACT

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

1. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex A.

2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

2.1 General Conditions

2010B (2014-09-25), General Conditions - Professional Services (Medium Complexity), as modified below, apply to and form part of the Contract.

General conditions 2010B is modified as follows:

At Section 12 Transportation Costs

Delete: In its entirety

Insert: "Deleted"

At Section 13 Transportation Carriers' Liability

Delete: In its entirety.

Insert: "Deleted"

At Section 18, Confidentiality:

Delete: In its entirety

Insert: "Deleted"

Insert Subsection: "35 Liability"

"The Contractor is liable for any damage caused by the Contractor, its employees, subcontractors, or agents to Canada or any third party. Canada is liable for any damage caused by Canada, its employees or agents to the Contractor or any third party. The Parties agree that no limitation of liability or indemnity provision applies to the Contract unless it is specifically incorporated in full text in the Articles of Agreement. Damage includes any injury to persons (including injury resulting in death) or loss of or damage to property (including real property) caused as a result of or during the performance of the Contract."

A. For professional services requirements where the deliverables are copyrightable works:

At Section 19 Copyright

Delete: In its entirety

Insert:

1. In this section:
"Material" means anything that is created or developed by the Contractor as part of the Work under the Contract, and in which copyright subsists.
"Background Information" means all Intellectual Property that is not Foreground Information that is incorporated into the Work or necessary for the performance



- of the Work and that is proprietary to or the confidential information of the Contractor, its subcontractors or any other third party;
"Foreground Information" means all Intellectual Property first conceived, developed, produced or reduced to practice as part of the Work under the Contract;
2. Material that is created or developed by the Contractor as part of the Work under the Contract belongs to Canada. The Contractor must incorporate the copyright symbol and either of the following notices, as appropriate: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
 3. At the request of the Contracting Authority, the Contractor must provide to Canada, at the completion of the Work or at such other time as the Contracting Authority may require, a written permanent waiver of moral rights as defined in the Copyright Act, R.S., 1985, c. C-42, in a form acceptable to the Contracting Authority, from every author that contributed to the Work. If the Contractor is an author, the Contractor permanently waives the Contractor's moral rights.
 4. All Intellectual Property Rights in the Material belongs to Canada as soon as they come into existence. The Contractor has no right in or to any such Intellectual Property except any right that may be granted in writing by Canada.
 5. The Contractor also grants to Canada a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free license to use the Background Information to the extent that this information is required by Canada to exercise its rights to use the Material. This license cannot be restricted in any way by the Contractor providing any form of notice to the contrary, including the wording on any shrink-wrapped license attached to any deliverable.

2.2 Supplemental General Conditions

The following supplemental general conditions apply to and form part of the Contract:
4007 (2010-08-16), Canada to own Intellectual Property Rights in Foreground

2.3 Specific Person(s)

The Contractor must provide the services of the following person(s) to perform the Work as stated in the Contract: _____ (*name(s) of person(s) to be inserted by Bidder*).

2.4 Non-Disclosure Agreement

The Contractor must obtain from its employee(s) or subcontractor(s) the completed and signed non-disclosure agreement, attached at Annex D, and provide it to the Contracting Authority before they are given access to information by or on behalf of Canada in connection with the Work.

3. Security Requirement

- 3.1 There is no security requirement applicable to this Contract.

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of Contract to March 31, 2015 inclusive.

4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to one (1) additional one (1) year period under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.



Canada may exercise this option at any time by sending a written notice to the Contractor at least seven (7) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Jennifer Legere
Contracting Manager, Atlantic
Contracting and Procurement Division
Finance Branch, Environment Canada
17th Floor, 45 Alderney Drive, Dartmouth NS B2Y 2N6
Tel: 902-426-9940
Fax: 902-426-269
E-mail: jennifer.legere@ec.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Technical Authority

The Technical Authority for the Contract is: *(To be determined at contract award)*

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative

Name: _____
Title: _____
Legal Company Name: _____
Operating Name: _____
Address: _____

Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail address: _____
Procurement Business Number or Tax Number: _____

6. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a *Public Service Superannuation Act (PSSA)* pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.



7. Payment

7.1 Basis of Payment

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to a limitation of expenditure of \$_____ (*amount to be inserted at contract award*). Customs duties are not applicable and Applicable Taxes are extra.

7.2 Limitation of Expenditure

- (a) Canada's total liability to the Contractor under the Contract must not exceed \$ _____ (*to be inserted at contract award*). Customs duties are included and the Applicable Taxes are extra.
- (b) No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (i) when it is 75 percent committed, or
 - (ii) four (4) months before the contract expiry date, or
 - (iii) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

- (c) If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3 PWGSC SACC Manual Clauses

A9117C (2007-11-30) T1204 - Direct Request by Customer Department
H1000C (2008-05-12) Single Payment

8. Invoicing Instructions

8.1.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.

8.1.2 Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- (a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all such documents have been verified by Canada;
- (c) the Work delivered has been accepted by Canada.

9. Certifications

9.1 Compliance

Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with



any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

10. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. *(To be inserted by Bidder)*

11. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 4007 Supplemental General Conditions (2010-08-16), Canada to own Intellectual Property Rights in Foreground;
- (c) 2010B General Conditions - Professional Services (Medium Complexity) (2014-09-25) as modified;
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, the signed Non-Disclosure Certification;
- (g) the Contractor's bid dated _____ *(To be inserted by Bidder)*.

12. Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.



ANNEX A STATEMENT OF WORK

SW 1 Title: Analysis, Quality Control and Validation of Canadian Wetlands Data

SW 2 Background

As part of the Canadian Environmental Sustainability Indicators (CESI) initiative, the federal government generates environmental indicator reports that make it possible to monitor the long-term trends on important topics that are of concern to Canadians, i.e. air quality (atmospheric pollutants and greenhouse gas emissions), water quality and availability and protecting nature. Ecosystem indicators make it possible to monitor the progress being made in protecting nature across Canada.

Wetlands are a component of the ecosystem indicators. Wetlands provide several ecological services. They provide habitat for a large variety of birds, mammals, plants and insects. Wetlands help maintain a unique biodiversity in Canada. They also play a major role in the restocking and storing water as well as carbon sequestration. The wetlands situation in Canada and the identification of losses or gains help guide policies and management decisions regarding wetlands.

CESI has asked the Canadian Wildlife Service (CWS) to develop and implement the wetlands situation in Canada, circa 2000, and the trends observed over the last 20 years through remote sensing and the geographic information system (GIS). The wetlands situation and trends in Canada is one of the main components of the wildlife and habitat monitoring program conducted by the CWS. Wetlands are known to be an essential habitat for migratory birds and several species at risk. The range and integrity of wetlands are an effective measurement of the overall health of an ecosystem. Environment Canada's Canadian Wildlife Service would like to implement a wetland monitoring approach that meets the needs of ecosystem indicators and that is adapted to the Canadian context.

In order to provide a national view of the wetlands situation in Canada, the information must be coherent (standardized), compatible (structured), documented and qualified for Canada as a whole. In order to accomplish this, the Canadian Wildlife Service, in collaboration with the Department of Natural Resources Canada (NRCan), has gathered the existing geospatial data on wetlands. The database is currently at NRCan. This source data was developed in accordance with a data model that defines the five major wetland classifications (bog, fen, swamp, marsh and shallow water) and that is still flexible enough to maintain categories that cannot be defined under these five classifications.

SW 3 Objective

The objective of quality control on wetlands data is to assess the quality of the thematic layers produced from sources after they are translated into the data model using comparable satellite images from across Canada. The quality control process must evaluate the thematic and spatial precision by comparing the data produced to the information extracted from images that are near the date and conditions present on the ground when the information was gathered in order to document the interpretation errors. One must then check to see if the databases properly represent the period circa 2000. The purpose of this analysis is therefore to highlight the level of confidence in the polygons (representing the wetlands) based on the source as part of the evaluation of the state of wetlands in Canada circa 2000. This analysis will enable the Canadian Wildlife Service to get closer to its objective of being able to report effectively on the wetland situation and trends in Canada.

SW 4 Scope of Work

Evaluate the quality of a sample of wetland polygons selected from Canada's wetland database to document the level of confidence in the wetland categories based on the data source and the year this



information was gathered. The sample is spread out over the entire country.

SW 5 Tasks

- Task 1: Develop a scientific concept or approach for multi-scale, multi-date and multi-source data access and management, specifically in the area of wetlands.
- Task 2: Develop a methodology allowing extracting wetlands information from the multi-scale, multi-date and multi-source data, including remote sensing raster datasets
- Task 3: Establish a logic model that can transform remote sensing raster datasets information into geo-referenced vector data and manage these types of datasets to allow data quality assessment and control of an existing wetlands datasets.
- Task 4: Propose a statistical methodology for selecting test zones, collecting wetlands data samples, and setting wetlands data quality assessment indicators (thematic accuracy and localization precision).
- Task 5: Acquisition from various free web or internet sources and processing of raw remote sensing data (geometric and radiometric correction) and/or analysis (using visual and/or object oriented technics), and validation of pre-processed raster datasets.
- Task 6: Perform remote sensing and auxiliary data classification and interpretation within the selected test zones.
- Task 7: Delineate and extract wetlands layers and transform the output into polygon layers with associate attribute values.
- Task 8: Compare the outputs from previous step and the wetlands data in the existing database and cross-validate the final results.
- Task 9: Analyze the thematic accuracy and localization precision of the data within the test zones and extrapolate the results to the entire dataset of the wetlands database.
- Task 10: Create an accuracy map of the Canadian wetlands data and provide graphics showing the statistics of the data quality across the selected zones.
- Task 11: Produce a report summarizing the approaches and methodologies used in process as well all copies of algorithms/codes developed during the said processes.

SW6 Deliverables

Tasks	Deliverables	Estimated number hours (h)
Task 1: Develop a scientific concept or approach for multi-scale, multi-date and multi-source data access and management, specifically in the area of wetlands. Task 2: Develop a methodology allowing extracting wetlands information from the multi-scale, multi-date and multi-source data, including remote sensing raster datasets.	Deliverable # 1 - Provide a strong methodology to manage multi-scale, multi-date and multi-source data, specifically in the area of Wetlands.	60
Task 3: Establish a logic model that can transform remote sensing raster datasets information into geo-referenced vector data and manage these types of datasets to allow data quality assessment and control of an existing wetlands datasets.	Deliverable # 2 - A logic model that can transform the remote sensing raster datasets information into geo-referenced vector wetlands data is created.	20
Task 4: Propose a statistical methodology for selecting test zones, collecting wetlands data samples, and setting wetlands data quality assessment indicators (thematic accuracy and localization precision).	Deliverable # 3 - A new methodological approach based on well-established statistical technics with the aim of selecting test zones, sampling datasets, and setting wetlands data quality indicators is	20



	proposed.	
<p>Task 5: Acquisition from various free web or internet sources and processing of raw remote sensing data (geometric and radiometric correction) and/or analysis (using visual and/or object oriented technics), and validation of pre-processed raster datasets.</p> <p>Task 6: Perform remote sensing and auxiliary data classification and interpretation within the selected test zones</p> <p>Task 7: Delineate and extract wetlands layers and transform the output into polygon layers with associate attribute values.</p>	<p>Deliverable # 4 – Provide a new wetlands thematic layer in vector format (polylines and/or polygons)</p>	75
<p>Task 8: Compare the outputs from previous step and the wetlands data in the existing database and cross-validate the final results</p> <p>Task 9: Analyze the thematic accuracy and localization precision of the data within the test zones and extrapolate the results to the entire dataset of the wetlands database</p>	<p>Deliverable # 5 – Data analysis report including text, graphs, and tables is created</p>	20
<p>Task 10: Create an accuracy map of the Canadian wetlands data and provide graphics showing the statistics of the data quality across the selected zones.</p>	<p>Deliverable # 6 – Canadian wetlands accuracy map is created</p>	15
<p>Task 11: Produce a report summarizing the approaches and methodologies used in process as well all copies of algorithms/codes developed during the said processes.</p>	<p>Deliverable # 7 - Final report documenting all work done under this contract is provided.</p>	15

SW 7 Official Languages:

The work will be conducted in English. The department is under the obligation to respect the spirit and the letter of the Official Languages Act R.S.1985,C.31 (4th Suppl.). It is therefore imperative that the Contractor when representing the Crown ensures that verbal communications are in the preferred official language of the participants. Written communications will be in the language(s) of the participants and must be submitted to the Project authority before they are issued. If participants are required to communicate by telephone with the Contractor or his/her representatives, the Contractor must ensure that all persons, including receptionists and other contacts who will be receiving these calls, are bilingual.

SW 8 Travel Considerations

No travel is anticipated in the scope of this contract. No travel costs are to be incurred without prior authorization, in writing, of the Departmental Project Manager.

If applicable, travel costs will be reimbursed subject to the Treasury Board Travel Directive:

http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/TBM_113/menu-travel-voyage_e.asp

SW 9 Government Supplied Materiel/Crown Input

The data will be provided by the scientific authority upon contract award.

SW 10 Security

No security clearance is required.



SW 11 Confidentiality

It is understood and agreed that the Contractor will, during and after the effective period of the solicitation, and any resultant contract, treat as confidential and not divulge, unless authorized in writing by Environment Canada, any information obtained in the course of the performance of the proposed Work.

SW 12 Communications

During the contract period the Contractor shall remain in regular contact with the Project authority identified in this solicitation either by telephone or in person to ensure the project is progressing well. Communications will occur as per an agreed schedule for the duration of the project.



**ANNEX B
BASIS OF PAYMENT**

The prices below are firm, all inclusive prices for the work as described in the Statement of Work at Annex A.

Deliverable #	Rate (\$) (a)	Estimated Level of Effort (hours) (b)	Extended Price (a x b)
1		60	
2		20	
3		20	
4		75	
5		20	
6		15	
7		15	
Hourly rate for Option Year 1 April 1, 2015 to March 31, 2016		50	
Evaluated Total			

The following is a breakdown of the Professional Services (show fee structure all-inclusive of profit and overhead):

Contract Period:		contract signing to 31 March 2015	
Category of Personnel	Per Diem Rates (A)	Estimated Level Of Effort (B)	Total (C) A + B = C
Bidder's Total Price =		\$ _____	

- (a) **Pricing:** All prices must be firm prices exclusive of GST/HST.
- (b) **All Costs to be Included:** The financial bid must include all costs for the requirement described in the bid solicitation for the entire Contract Period, including any option years. The identification of all necessary equipment, software, peripherals, cabling and components required to meet the requirements of the bid solicitation and the associated costs of these items is the sole responsibility of the Bidder.
- (c) **Blank Prices:** Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in the tables. If the Bidder leaves any price blank, Canada will treat the price as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

Payment will be made in accordance with the payment terms in section 7.7, when deliverables are received and accepted by Canada.



ANNEX C
NON-DISCLOSURE CERTIFICATION

I, _____, recognize that in the course of my work as an employee or subcontractor of _____, I may be given access to information by or on behalf of Canada in connection with the Work, pursuant to Contract Serial No. _____ between Her Majesty the Queen in right of Canada, represented by the Minister of Public Works and Government Services and Environment Canada, including any information that is confidential or proprietary to third parties, and information conceived, developed or produced by the Contractor as part of the Work. For the purposes of this agreement, information includes but not limited to: any documents, instructions, guidelines, data, material, advice or any other information whether received orally, in printed form, recorded electronically, or otherwise and whether or not labeled as proprietary or sensitive, that is disclosed to a person or that a person becomes aware of during the performance of the Contract.

I agree that I will not reproduce, copy, use, divulge, release or disclose, in whole or in part, in whatever way or form any information described above to any person other than a person employed by Canada on a need to know basis. I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of or access to such information in contravention of this agreement.

I also acknowledge that any information provided to the Contractor by or on behalf of Canada must be used solely for the purpose of the Contract and must remain the property of Canada or a third party, as the case may be.

I agree that the obligation of this agreement will survive the completion of the Contract Serial No.: _____

Signature

Date



**Annex D
MANDATORY REQUIREMENTS AND EVALUATION CRITERIA**

The proposal should take into account the technical, cost and expertise of the company to meet the following requirements:

1. Technical Aspect

The proposal must contain a statement of understanding of the work to be undertaken, and the reasons which led to its application. The proposal must contain a work plan and indicate the method adopted by the contractor to perform the tasks to achieve the project objectives. The proposal must include a description of the technical approach, methodology, work plan and data sources used.

2. Experience Project Team

The proposal must include resumes of all team members. The curriculum vitae of each member must clearly demonstrate experience related work.

The proposal must include any relevant information to enable Environment Canada to adequately evaluate the proposal based on the criteria listed below must be included.

For each of the criteria from R3 A) through G), each member should provide a summary of examples of work previously accomplished in landscape data management and one (1) reference that will be contacted for confirmation and validation of the work done.

	Rated Criteria	Maximum Score	Score
	R1. APPROACH and METHODOLOGY		
R1 (MAXIMUM POINTS: 17) (MINIMUM POINTS: 12)	<p>A) <i>Proposal demonstrates a comprehensive methodological approach to complete all aspects of the project including</i></p> <p>The proposed approach and method:</p> <p>(12) The description of the technical approach and method is detailed enough to include a description of each step that will be undertaken to meet each Output in the Statement of Work and data sources. The approach and method are complete, realistic and technically feasible; the approach offers advantages with no tradeoffs and these advantages are clearly stated;</p> <p>(9) The description of the technical approach and method, including a description of each step that will be undertaken to meet each Output in the Statement of Work and data sources, is a) missing some details OR b) not easily realistic or technically feasible. The approach offers some advantages;</p> <p>(6) The description of the technical approach and method is incomplete or not realistic or not technically feasible OR the approach is not convincingly advantageous;</p> <p>(3) The description of the technical approach and method is incomplete OR not realistic OR not technically feasible OR the approach offers no advantages;</p> <p>(0) Advantages to the proposed approach are not presented;</p>	A) 12	



	<p>B) <i>Possible problems and challenges that could impact the quality and/or delivery of the project and proposed solutions</i></p> <p>(5) Possible problems and challenges that could arise that would impact the quality and/or delivery of the project are clearly described and demonstrate a realistic approach and understanding of the project; the proposed solutions are realistic and within the scope of the project.</p> <p>(3) Possible problems and challenges that could arise that would impact the quality and/or delivery of the project are not clearly described or are incomplete, i.e. that they are not entirely compatible with the proposed approach OR do not demonstrate a realistic understanding of the project.</p> <p>(1) Possible problems and challenges that could arise that would impact the quality and/or delivery of the project are poorly described.</p> <p>(0) Problems, challenges and solutions are not identified.</p>	B) 5	
	Sub-Total for R1		
	R2 WORK PLAN AND SCHEDULE		
<p>R2</p> <p>(MAXIMUM: 23 POINTS)</p> <p>(MINIMUM POINTS: 16)</p>	<p>A) <i>Proposal provides a detailed schedule and work plan which demonstrates a commitment to meeting the project objectives and deliverables on time and how quality assurance will be addressed thorough the project. The following rating scheme will be used to evaluate this criterion:</i></p> <p>(15) The bidding company provided a detailed Work Plan with a clear and logical understanding of the Objectives of the Statement of Work and quality assurance was addressed.</p> <p>(10) Objectives of the Statement of Work and quality assurance were addressed. Some details are missing</p> <p>(5)The bidding company provided a Work Plan with some understanding of the Objectives of the Statement of Work and quality assurance but is missing many details</p> <p>(0)The bidding company did not include a schedule or work plan</p> <p>B) <i>In the work plan, qualified and experience personnel are assigned to each Tasks:</i></p> <p>(8) For each Task, all the personnel assigned to the Task are qualified and experienced to successfully complete the</p>	<p>A) 15</p> <p>B) 8</p>	



	<p>Task.</p> <p>(6) For each Task, there are enough qualified and experienced personnel assigned in a supervision role to ensure the successful completion of the Task.</p> <p>(4) For some Tasks, the personnel assigned are not qualified and experienced to ensure successful completion of the Task.</p> <p>(2) For most Tasks or for key tasks, the personnel assigned are not qualified and experienced to ensure successful completion of the Task.</p> <p>(0) The personnel assigned to each Task are not identified.</p>		
	Sub-Total for R2		
	R3 PROJECT TEAM EXPERIENCE		
R3 (MAXIMUM POINTS: 210)	<p>Does the project team have a balance of team members who have the experience required to meet the objectives of this work? Proof of experience must be provided in the team members' resumes.</p> <p>A) Does the team have experience in fusing multi-resolutions and multi-temporal optical satellite images? MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>B) Does the team have experience in developing logic model that automatically transform remote sensing datasets (satellite images) for vector geospatial data quality control? MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>C) Does the team have experience in developing statistical methodology and remote sensing for selecting spatial test zones, collecting geospatial data samples, and setting data quality assessment indicators (thematic accuracy and localization precision). MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>D) Does the team have experience in acquiring (from various free web or internet sources), analyzing, processing and validating raw remote sensing data (geometric and radiometric correction, using visual and/or object oriented technics, and validation of pre-processed raster datasets), performing remote sensing and auxiliary data classification and interpretation within selected test zones, and delineating and extracting data layers as well transforming the output into polygon layers with associate attribute values. MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>E) Does the team have experience in free software use and development as well in developing Open data and Open GIS approaches, methodology and tools for acquiring multi-sources, multi-dates and multi-scales geospatial datasets be</p>	<p>A) 30</p> <p>B) 30</p> <p>C) 25</p> <p>D) 40</p> <p>E) 30</p>	



	<p>satellite images or auxiliary data from various websites and data sources? MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>F) Does the team have experience accessing, analyzing and integrating large datasets in using Geo Network and web-based Applications? MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p> <p>G) Does the team have experience working with wetlands and/or landscape metadata applications and specifications? MAXIMUM POINTS 30 (1 point per year per team member, up to 10 years)</p>	<p>F) 30</p> <p>G) 25</p>	
	Sub-Total for R3	210	
R4 (MAXIMUM POINTS: 120)	<p>RESEARCH AND DEVELOPMENT Each team member should provide either a published paper, thesis or any R&D work done. Each cited reference should include the following information:</p> <ul style="list-style-type: none"> • Client Organization Name; • Project description including role played by the team member; • Project duration, including start and end dates; • Client Contact name, position, and current phone number and email address <p>A) Each team member should demonstrate, using project description(s), that they possesses the experience on projects related to research and development work pertaining to developing scientific concept or approach for accessing, fusioning and managing multi-resolutions (multi-scale) and multi-temporal, and multi-source optical satellite images, specifically for wetlands studies, or broadly in the area of landscape assessment and planning.</p> <p>A maximum of two (2) reference projects for each team members will be evaluated as described below. If a team member submits more than two (2) referenced projects, only the first two (2) in order of presentation will be evaluated.</p> <ul style="list-style-type: none"> • 5 points for each project presented for each team members for a maximum of 2 projects per team member. (MAXIMUM OF 30 POINTS) 	A) 30	
	B) Each team member should demonstrate, using project description(s), that they possesses the experience on projects related to research and development work pertaining to developing methodologies allowing to extract geospatial	B) 30	



	<p>data (polygon, lines and point) from the multi-scale, multi-date and multi-source data, including remote sensing raster datasets by using a mosaic of diachronic data.</p> <p>A maximum of two (2) reference projects for each team members will be evaluated as described below. If a team member submits more than two (2) referenced projects, only the first two (2) in order of presentation will be evaluated.</p> <ul style="list-style-type: none"> • 5 points for each project presented for each team members for a maximum of 2 projects per team member. (MAXIMUM OF 30 POINTS) 		
	<p>C) Each team member should demonstrate, using project description(s), that they possesses the experience on projects related to research and development work pertaining to developing logic models that can transform remote sensing raster datasets information into geo-referenced vector wetlands data and manage these types of datasets to allow data quality assessment and control within the existing geodatabase.</p> <p>A maximum of two (2) reference projects for each team members will be evaluated as described below. If a team member submits more than two (2) referenced projects, only the first two (2) in order of presentation will be evaluated.</p> <ul style="list-style-type: none"> • 5 points for each project presented for each team members for a maximum of 2 projects per team member. (MAXIMUM OF 30 POINTS) 	C) 30	
	<p>D) Each team member should demonstrate, using project description(s), that they possesses the experience on projects related to research and development work pertaining to acquiring (from various sources) and processing raw remote sensing data (geometric and radiometric correction) and/or analysis (visual or object oriented technics) and validation of pre-processed raster datasets</p> <p>A maximum of two (2) reference projects for each team members will be evaluated as described below. If a team member submits more than two (2) referenced projects, only the first two (2) in order of presentation will be evaluated.</p> <ul style="list-style-type: none"> • 5 points for each project presented for each team members for a maximum of 2 projects per team member. (MAXIMUM OF 30 POINTS) 	D) 30	
	Sub-Total for R4	120	
	Maximum Total Points	370	



	An OVERALL score of 80% or 296/370 is required.	Maximum points	Minimum points required
R1	APPROACH and METHODOLOGY	A) 12 B) 5	A) & B) 12
R2	WORK PLAN AND SCHEDULE	A) 15 B) 8	A) & B) 16
R3	PROJECT TEAM EXPERIENCE	A) 30 B) 30 C) 25 D) 40 E) 30 F) 30 G) 25	
R4	RESEARCH AND DEVELOPMENT	A) 30 B) 30 C) 30 D) 30	

The firm obtaining the lowest compliant cost per point proposal (determined by dividing the bid price by the total points achieved in the evaluation of the bidder's proposal) will be recommended for award of a contract.