



Department
for Environment
Food & Rural Affairs

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Beaconside
Stafford
ST18 0AQ

T: [REDACTED]
helpline@defra.gsi.gov.uk
www.gov.uk/defra

[REDACTED]
UKRI Centre for Ecology &
Hydrology Maclean Building,
Crowmarsh Gifford Wallingford
Berkshire
OX10 8BB

Your ref: ITT_4749
Our ref: Proj_23862
Date: 08 Nov 2019

Dear Sirs

Award of contract for the supply of Innovative approach to monitoring soil health in England and Wales

Following your tender/ proposal for the supply of an Innovative approach to monitoring soil health in England and Wales to Defra, we are pleased to award this contract to you.

This letter (Award Letter) and its Annexes set out the terms of the contract between Defra as the Customer and Centre for Ecology & Hydrology as the Contractor for the provision of the Services. Unless the context otherwise requires, capitalised expressions used in this Award Letter have the same meanings as in the terms and conditions of contract set out in Annex 1 to this Award Letter (the “**Conditions**”). In the event of any conflict between this Award Letter and the Conditions, this Award Letter shall prevail. Please do not attach any Contractor terms and conditions to this Award Letter as they will not be accepted by the Customer and may delay the conclusion of the Agreement.

For the purposes of the Agreement, the Customer and the Contractor agree as follows:

- 1) The Services shall be performed at Centre for Ecology and Hydrology premises, Maclean Building, Crowmarsh Gifford, Wallingford, Berkshire, OX10 8BB.
- 2) The charges for the Services shall be as set out in Annex 2.
- 3) The specification of the Services to be supplied is as set out in Annex 3.
- 4) The Term shall commence on 12 November 2018 and the Expiry Date shall be 31 March 2020.
- 5) The address for notices of the Parties are:

Customer
Defra

Contractor
Centre for Ecology & Hydrology

Nobel House, Smith Square,
London
SW1P 3JR

Maclean Building, Crowmarsh Gifford
Wallingford
Berkshire
OX10 8BB

Attention: [REDACTED]

Attention: [REDACTED]

Email: [REDACTED]

Email: [REDACTED]

- 6) The following persons are Key Personnel for the purposes of the Agreement:

Name: [REDACTED]

Title: [REDACTED]

- 7) The Customer may require the Contractor to ensure that any person employed in the provision of the Services has undertaken a Disclosure and Barring Service check. The Contractor shall ensure that no person who discloses that he/she has a conviction that is relevant to the nature of the Services, relevant to the work of the Customer, or is of a type otherwise advised by the Customer (each such conviction a "**Relevant Conviction**"), or is found by the Contractor to have a Relevant Conviction (whether as a result of a police check, a Disclosure and Barring Service check or otherwise) is employed or engaged in the provision of any part of the Services.

Payment

All invoices should be sent, quoting a valid purchase order number (PO Number), to: Accounts-Payable.def@sscl.gov.uk or Shared Services Connected Limited, PO Box 790, Phoenix House, Celtic Springs Business Park, Newport, Gwent, NP10 8FZ. Within 10 Working Days of receipt of your acceptance of this letter via Bravo, we will send you a unique PO Number. You must be in receipt of a valid PO Number before submitting an invoice.

To avoid delay in payment it is important that the invoice is compliant and that it includes a valid PO Number, PO Number item number (if applicable) and the details (name and telephone number) of your Customer contact (i.e. Contract Manager). Non-compliant invoices will be sent back to you, which may lead to a delay in payment. If you have a query regarding an outstanding payment please contact our Accounts Payable section either by email to Accounts-Payable.def@sscl.gov.uk or by telephone 0845 603 7262 between 09:00-17:00 Monday to Friday.

Liaison

For general liaison your contact will continue to be [REDACTED]
[REDACTED]

We thank you for your co-operation to date, and look forward to forging a successful working relationship resulting in a smooth and successful supply of the Goods. Acceptance of the award of this contract will be made by electronic signature carried out in

accordance with the 1999 EU Directive 99/93 (Community framework for electronic signatures) and the UK Electronic Communications Act 2000. Acceptance of the offer comprised in this Agreement must be made within 7 days from the date of this Award Letter and the Agreement is formed on the date on which the Contractor communicates acceptance on the Customer's electronic contract management system ("Bravo"). No other form of acknowledgement will be accepted. Please remember to quote the reference number above in any future communications relating to this contract.

Yours sincerely





Department
for Environment
Food & Rural Affairs

Short Form Contract

Contract for developing an innovative approach to monitoring soil health in England and Wales

Contract Reference ecm_53520

November 2018

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1. Interpretation

1.1 In these terms and conditions:

Term	Description
“Agreement”	means the contract between (i) the Customer acting as part of the Crown and (ii) the Contractor constituted by the Contractor’s acceptance of the Award Letter via Bravo;
“Award Letter”	means the letter from the Customer to the Contractor printed above these terms and conditions;
“Bravo”	means the Customer’s electronic contract management system
“Central Government Body”	<p>means a body listed in one of the following sub-categories of the Central Government classification of the Public Sector Classification Guide, as published and amended from time to time by the Office for National Statistics:</p> <p>Government Department;</p> <p>Non-Departmental Public Body or Assembly Sponsored Public Body (advisory, executive, or tribunal);</p> <p>Non-Ministerial Department; or</p> <p>Executive Agency;</p>
“Charges”	means the charges for the Services as specified in the Award Letter;
“Confidential Information”	means all information, whether written or oral (however recorded), provided by the disclosing Party to the receiving Party and which (i) is known by the receiving Party to be confidential; (ii) is marked as or stated to be confidential; or (iii) ought reasonably to be

	considered by the receiving Party to be confidential;
“Contractor”	means the organisation named as Contractor in the Award Letter;
“Controller”	has the meaning given in the GDPR;
“Customer”	means the person identified in the letterhead of the Award Letter;
“Data Loss Event”	means any event that results, or may result, in unauthorised access to Personal Data held by the Contractor under this Agreement, and/or actual or potential loss and/or destruction of Personal Data in breach of this Agreement, including any Personal Data Breach;
“Data Protection Impact Assessment”	means an assessment by the Controller of the impact of the envisaged processing on the protection of Personal Data;
“Data Protection Legislation”	means (i) the GDPR, the LED and any applicable national implementing Laws as amended from time to time (ii) the DPA 2018 to the extent that it relates to processing of personal data and privacy; and (iii) all applicable Law about the processing of personal data and privacy;
“Data Protection Officer”	has the meaning given in the GDPR;
“Data Subject”	has the meaning given in the GDPR;
“Data Subject Request”	means a request made by, or on behalf of, a Data Subject in accordance with rights granted pursuant to the Data Protection Legislation to access their Personal Data;
“DPA 2018”	means the Data Protection Act 2018;
“Expiry Date”	means the date for expiry of the Agreement as set out in the Award Letter;
“FOIA”	means the Freedom of Information Act 2000;
“GDPR”	means the General Data Protection Regulation (Regulation (EU) 2016/679);

“Information”	has the meaning given under section 84 of the FOIA;
“Key Personnel”	means any persons specified as such in the Award Letter or otherwise notified as such by the Customer to the Contractor in writing;
“Law”	means any law, statute, subordinate legislation within the meaning of section 21(1) of the Interpretation Act 1978, bye-law, enforceable right within the meaning of section 2 of the European Communities Act 1972, regulation, order, regulatory policy, mandatory guidance or code of practice, judgment of a relevant court of law, or directives or requirements of any regulatory body with which the relevant Party is bound to comply;
“LED”	means Law Enforcement Directive (Directive (EU) 2016/680);
“Party”	the Contractor or the Customer (as appropriate) and “Parties” shall mean both of them;
“Personal Data”	has the meaning given in the GDPR;
“Personal Data Breach”	has the meaning given in the GDPR;
“Processor”	has the meaning given in the GDPR;
“Protective Measures”	means appropriate technical and organisational measures which may include: pseudonymising and encrypting Personal Data, ensuring confidentiality, integrity, availability and resilience of systems and services, ensuring that availability of and access to Personal Data can be restored in a timely manner after an incident, and regularly assessing and evaluating the effectiveness of the such measures adopted by it;
“Purchase Order Number”	means the Customer’s unique number relating to the order for Goods to be supplied by the Contractor to the Customer in accordance with the terms of the Agreement;
“Request for Information”	has the meaning set out in the FOIA or the Environmental Information Regulations 2004 as relevant (where the meaning set out for the term “request” shall apply);

“Services”	means the services to be supplied by the Contractor to the Customer under the Agreement;
“Specification”	means the specification for the Services (including as to quantity, description and quality) as specified in the Award Letter;
“Staff”	means all directors, officers, employees, agents, consultants and contractors of the Contractor and/or of any sub-contractor of the Contractor engaged in the performance of the Contractor’s obligations under the Agreement;
“Staff Vetting Procedures”	means vetting procedures that accord with good industry practice or, where applicable, the Customer’s procedures for the vetting of personnel as provided to the Contractor from time to time;
“Sub-processor”	means any third party appointed to process Personal Data on behalf of the Contractor related to this Agreement;
“Term”	means the period from the start date of the Agreement set out in the Award Letter to the Expiry Date as such period may be extended in accordance with Clause 4.2 or terminated in accordance with the terms and conditions of the Agreement;
“VAT”	means value added tax in accordance with the provisions of the Value Added Tax Act 1994; and
“Working Day”	means a day (other than a Saturday or Sunday) on which banks are open for business in the City of London.

1.2 In these terms and conditions, unless the context otherwise requires:

1.2.1 references to numbered clauses are references to the relevant clause in these terms and conditions;

1.2.2 any obligation on any Party not to do or omit to do anything shall include an obligation not to allow that thing to be done or omitted to be done;

1.2.3 the headings to the clauses of these terms and conditions are for information only and do not affect the interpretation of the Agreement;

- 1.2.4 any reference to an enactment includes reference to that enactment as amended or replaced from time to time and to any subordinate legislation or byelaw made under that enactment; and
- 1.2.5 the word 'including' shall be understood as meaning 'including without limitation'.

2. Basis of Agreement

- 2.1 The Award Letter constitutes an offer by the Customer to purchase the Services subject to and in accordance with the terms and conditions of the Agreement.
- 2.2 The offer comprised in the Award Letter shall be deemed to be accepted by the Contractor on receipt by the Customer of the Contractor's notification of acceptance via Bravo within [7] days of the date of the Award Letter.

3. Supply of Services

- 3.1 In consideration of the Customer's agreement to pay the Charges, the Contractor shall supply the Services to the Customer for the Term subject to and in accordance with the terms and conditions of the Agreement.
- 3.2 In supplying the Services, the Contractor shall:
 - 3.2.1 co-operate with the Customer in all matters relating to the Services and comply with all the Customer's instructions;
 - 3.2.2 perform the Services with all reasonable care, skill and diligence in accordance with good industry practice in the Contractor's industry, profession or trade;
 - 3.2.3 use Staff who are suitably skilled and experienced to perform tasks assigned to them, and in sufficient number to ensure that the Contractor's obligations are fulfilled in accordance with the Agreement;
 - 3.2.4 ensure that the Services shall conform with all descriptions and specifications set out in the Specification;
 - 3.2.5 comply with all applicable laws; and
 - 3.2.6 provide all equipment, tools and vehicles and other items as are required to provide the Services.

- 3.3 The Customer may by written notice to the Contractor at any time request a variation to the scope of the Services. In the event that the Contractor agrees to any variation to the scope of the Services, the Charges shall be subject to fair and reasonable adjustment to be agreed in writing between the Customer and the Contractor.

4. Term

- 4.1 The Agreement shall take effect on the date specified in Award Letter and shall expire on the Expiry Date, unless it is otherwise extended in accordance with clause 4.2 or terminated in accordance with the terms and conditions of the Agreement.
- 4.2 The Customer may extend the Agreement for a period of up to 6 months by giving not less than 10 Working Days' notice in writing to the Contractor prior to the Expiry Date. The terms and conditions of the Agreement shall apply throughout any such extended period.

5. Charges, Payment and Recovery of Sums Due

- 5.1 The Charges for the Services shall be as set out in the Award Letter and shall be the full and exclusive remuneration of the Contractor in respect of the supply of the Services. Unless otherwise agreed in writing by the Customer, the Charges shall include every cost and expense of the Contractor directly or indirectly incurred in connection with the performance of the Services.
- 5.2 All amounts stated are exclusive of VAT which shall be charged at the prevailing rate. The Customer shall, following the receipt of a valid VAT invoice, pay to the Contractor a sum equal to the VAT chargeable in respect of the Services.
- 5.3 The Contractor shall invoice the Customer as specified in the Agreement. Each invoice shall include such supporting information required by the Customer to verify the accuracy of the invoice, including the relevant Purchase Order Number and a breakdown of the Services supplied in the invoice period.
- 5.4 In consideration of the supply of the Services by the Contractor, the Customer shall pay the Contractor the invoiced amounts no later than 30 days after verifying that the invoice is valid and undisputed and includes a valid Purchase Order Number. The Customer may, without prejudice to any other rights and remedies under the Agreement, withhold or reduce payments in the event of unsatisfactory performance.

- 5.5 If there is a dispute between the Parties as to the amount invoiced, the Customer shall pay the undisputed amount. The Contractor shall not suspend the supply of the Services unless the Contractor is entitled to terminate the Agreement for a failure to pay undisputed sums in accordance with clause 16.4. Any disputed amounts shall be resolved through the dispute resolution procedure detailed in clause 19.
- 5.6 If a payment of an undisputed amount is not made by the Customer by the due date, then the Customer shall pay the Contractor interest at the interest rate specified in the Late Payment of Commercial Debts (Interest) Act 1998.
- 5.7 Where the Contractor enters into a sub-contract, the Contractor shall include in that sub-contract:
- 5.7.1 provisions having the same effects as clauses 5.3 to 5.6 of this Agreement; and
- 5.7.2 a provision requiring the counterparty to that sub-contract to include in any sub-contract which it awards provisions having the same effect as 5.3 to 5.7 of this Agreement.
- 5.8 In this clause 5.8, “sub-contract” means a contract between two or more Contractors, at any stage of remoteness from the Authority in a subcontracting chain, made wholly or substantially for the purpose of performing (or contributing to the performance of) the whole or any part of this Agreement.
- 5.9 If any sum of money is recoverable from or payable by the Contractor under the Agreement (including any sum which the Contractor is liable to pay to the Customer in respect of any breach of the Agreement), that sum may be deducted unilaterally by the Customer from any sum then due, or which may come due, to the Contractor under the Agreement. The Contractor shall not be entitled to assert any credit, set-off or counterclaim against the Customer in order to justify withholding payment of any such amount in whole or in part.

6. Premises and equipment

- 6.1 If necessary, the Customer shall provide the Contractor with reasonable access at reasonable times to its premises for the purpose of supplying the Services. All equipment, tools and vehicles brought onto the Customer's premises by the Contractor or the Staff shall be at the Contractor's risk.
- 6.2 If the Contractor supplies all or any of the Services at or from the Customer's premises, on completion of the Services or termination or expiry of the Agreement

(whichever is the earlier) the Contractor shall vacate the Customer's premises, remove the Contractor's plant, equipment and unused materials and all rubbish arising out of the provision of the Services and leave the Customer's premises in a clean, safe and tidy condition. The Contractor shall be solely responsible for making good any damage to the Customer's premises or any objects contained on the Customer's premises which is caused by the Contractor or any Staff, other than fair wear and tear.

- 6.3 If the Contractor supplies all or any of the Services at or from its premises or the premises of a third party, the Customer may, during normal business hours and on reasonable notice, inspect and examine the manner in which the relevant Services are supplied at or from the relevant premises.
- 6.4 The Customer shall be responsible for maintaining the security of its premises in accordance with its standard security requirements. While on the Customer's premises the Contractor shall, and shall procure that all Staff shall, comply with all the Customer's security requirements.
- 6.5 Where all or any of the Services are supplied from the Contractor's premises, the Contractor shall, at its own cost, comply with all security requirements specified by the Customer in writing.
- 6.6 Without prejudice to clause 3.2.6, any equipment provided by the Customer for the purposes of the Agreement shall remain the property of the Customer and shall be used by the Contractor and the Staff only for the purpose of carrying out the Agreement. Such equipment shall be returned promptly to the Customer on expiry or termination of the Agreement.
- 6.7 The Contractor shall reimburse the Customer for any loss or damage to the equipment (other than deterioration resulting from normal and proper use) caused by the Contractor or any Staff. Equipment supplied by the Customer shall be deemed to be in a good condition when received by the Contractor or relevant Staff unless the Customer is notified otherwise in writing within 5 Working Days.

7. Staff and Key Personnel

- 7.1 If the Customer reasonably believes that any of the Staff are unsuitable to undertake work in respect of the Agreement, it may, by giving written notice to the Contractor:
 - 7.1.1 refuse admission to the relevant person(s) to the Customer's premises;

- 7.1.2 direct the Contractor to end the involvement in the provision of the Services of the relevant person(s); and/or
- 7.1.3 require that the Contractor replace any person removed under this clause with another suitably qualified person and procure that any security pass issued by the Customer to the person removed is surrendered,

and the Contractor shall comply with any such notice.
- 7.2 The Contractor shall:
 - 7.2.1 ensure that all Staff are vetted in accordance with the Staff Vetting Procedures;
 - 7.2.2 if requested, provide the Customer with a list of the names and addresses (and any other relevant information) of all persons who may require admission to the Customer's premises in connection with the Agreement; and
 - 7.2.3 procure that all Staff comply with any rules, regulations and requirements reasonably specified by the Customer.
- 7.3 Any Key Personnel shall not be released from supplying the Services without the agreement of the Customer, except by reason of long-term sickness, maternity leave, paternity leave, termination of employment or other extenuating circumstances.
- 7.4 Any replacements to the Key Personnel shall be subject to the prior written agreement of the Customer (not to be unreasonably withheld). Such replacements shall be of at least equal status or of equivalent experience and skills to the Key Personnel being replaced and be suitable for the responsibilities of that person in relation to the Services.

8. Assignment and sub-contracting

- 8.1 The Contractor shall not without the written consent of the Customer assign, sub-contract, novate or in any way dispose of the benefit and/ or the burden of the Agreement or any part of the Agreement. The Customer may, in the granting of such consent, provide for additional terms and conditions relating to such assignment, sub-contract, novation or disposal. The Contractor shall be responsible for the acts and omissions of its sub-contractors as though those acts and omissions were its own.

- 8.2 Where the Customer has consented to the placing of sub-contracts, the Contractor shall, at the request of the Customer, send copies of each sub-contract, to the Customer as soon as is reasonably practicable.
- 8.3 The Customer may assign, novate, or otherwise dispose of its rights and obligations under the Agreement without the consent of the Contractor provided that such assignment, novation or disposal shall not increase the burden of the Contractor's obligations under the Agreement.

9. Intellectual Property Rights

- 9.1 All intellectual property rights in any materials provided by the Customer to the Contractor for the purposes of this Agreement shall remain the property of the Customer but the Customer hereby grants the Contractor a royalty-free, non-exclusive and non-transferable licence to use such materials as required until termination or expiry of the Agreement for the sole purpose of enabling the Contractor to perform its obligations under the Agreement.
- 9.2 All intellectual property rights in any materials created or developed by the Contractor pursuant to the Agreement or arising as a result of the provision of the Services shall vest in the Contractor. If, and to the extent, that any intellectual property rights in such materials vest in the Customer by operation of law, the Customer hereby assigns to the Contractor by way of a present assignment of future rights that shall take place immediately on the coming into existence of any such intellectual property rights all its intellectual property rights in such materials (with full title guarantee and free from all third party rights).
- 9.3 All intellectual property rights in any materials provided by the Contractor to the Customer for the purposes of this Agreement shall remain the property of the Contractor.
- 9.4 The Contractor hereby grants the Customer:
- 9.4.1 a perpetual, royalty-free, irrevocable, non-exclusive licence (with a right to sub-license) to use all intellectual property rights in the materials created or developed pursuant to the Agreement and any intellectual property rights arising as a result of the provision of the Services; and
- 9.4.2 a perpetual, royalty-free, irrevocable and non-exclusive licence (with a right to sub-licence) to use:
- a. any intellectual property rights vested in the Contractor on the date of the Agreement; and which the Contractor uses or contributes in the course of performing the Services; and
 - b. any intellectual property rights created during the Term which vest in the Contractor but which are neither created or developed pursuant to the

Agreement nor arise as a result of the provision of the Services, but only to the extent that such intellectual property rights are used or contributed to the performance of the Services by the Contractor,

including any modifications to or derivative versions of any such intellectual property rights, in the case of 9.4.2 a. and b. which the Customer reasonably requires in order to exercise its rights and take the benefit of the Agreement including the Services provided.

- 9.5 The Contractor shall ensure that the third party owner of any intellectual property rights that are used to perform the Services grants to the Customer a non-exclusive licence or, if itself a licensee of those rights, shall grant to the Customer an authorised sub-licence, to use the intellectual property rights in the same to the extent the Customer (or a replacement contractor) reasonably requires in order for the Customer to exercise its rights under, and receive the benefit of, the Agreement (including without limitation the Services). Such licence or sub-licence shall be non-exclusive, perpetual, royalty-free, worldwide and irrevocable and shall include the right for the Customer to sub-license, transfer, novate or assign to the Crown, a replacement contractor or to any other third party supplying goods and/or services to the Customer.
- 9.6 The Contractor shall indemnify, and keep indemnified, the Customer in full against all costs, expenses, damages and losses including any interest, penalties, and reasonable legal and other professional fees awarded against or incurred or paid by the Customer as a result of or in connection with any claim made against the Customer for actual or alleged infringement of a third party's intellectual property arising out of, or in connection with, the supply or use of the Services, to the extent that the claim is attributable to the acts or omission of the Contractor or any Staff.

10. Governance and Records

- 10.1. The Contractor shall:
- 10.1.1. attend progress meetings with the Customer at the frequency and times specified by the Customer and shall ensure that its representatives are suitably qualified to attend such meetings; and
- 10.1.2. submit progress reports to the Customer at the times and in the format specified by the Customer.
- 10.2. The Contractor shall keep and maintain until 6 years after the end of the Agreement, or as long a period as may be agreed between the Parties, full and accurate records of the Agreement including the Services supplied under it and all payments made by the Customer. The Contractor shall on request afford the Customer or the Customer's representatives such access to those records as may be reasonably requested by the Customer in connection with the Agreement.

11. Confidentiality, Transparency and Publicity

11.1. Subject to clause 11.2, each Party shall:

11.1.1. treat all Confidential Information it receives as confidential, safeguard it accordingly and not disclose it to any other person without the prior written permission of the disclosing Party; and

11.1.2. not use or exploit the disclosing Party's Confidential Information in any way except for the purposes anticipated under the Agreement.

11.2. Clause 11.1 shall not apply to the extent that such information:

11.2.1. was in the possession of the Party making the disclosure without obligation of confidentiality prior to its disclosure by the information owner;

11.2.2. was obtained from a third party without obligation of confidentiality;

11.2.3. was already in the public domain at the time of disclosure otherwise than by a breach of the Agreement; or

11.2.4. is independently developed without access to the other Party's Confidential Information.

11.3. Notwithstanding clause 11.1, a Party may disclose Confidential Information which it receives from the other Party:

11.3.1. where disclosure is required by applicable law or by a court of competent jurisdiction;

11.3.2. to its auditors or for the purposes of regulatory requirements;

11.3.3. on a confidential basis, to its professional advisers;

11.3.4. to the Serious Fraud Office where the Party has reasonable grounds to believe that the other Party is involved in activity that may constitute a criminal offence under the Bribery Act 2010;

11.3.5. where the receiving Party is the Contractor, to the Staff on a need to know basis to enable performance of the Contractor's obligations under the Agreement provided that the Contractor shall procure that any Staff to whom it discloses Confidential Information pursuant to this clause 11.3.5 shall observe the Contractor's confidentiality obligations under the Agreement; and

11.3.6. where the receiving Party is the Customer:

- a) on a confidential basis to the employees, agents, consultants and contractors of the Customer;
- b) on a confidential basis to any other Central Government Body, any successor body to a Central Government Body or any company to which the Customer transfers or proposes to transfer all or any part of its business; or
- c) to the extent that the Customer (acting reasonably) deems disclosure necessary or appropriate in the course of carrying out its public functions.

and for the purposes of the foregoing, references to disclosure on a confidential basis shall mean disclosure subject to a confidentiality agreement or arrangement containing terms no less stringent than those placed on the Customer under this clause 11.

- 11.4. The Parties acknowledge that, except for any information which is exempt from disclosure in accordance with the provisions of the FOIA, the content of the Agreement is not Confidential Information and the Contractor hereby gives its consent for the Customer to publish this Agreement in its entirety to the general public (but with any information that is exempt from disclosure in accordance with the FOIA redacted) including any changes to the Agreement agreed from time to time. The Customer may consult with the Contractor to inform its decision regarding any redactions but shall have the final decision in its absolute discretion whether any of the content of the Agreement is exempt from disclosure in accordance with the provisions of the FOIA.
- 11.5. The Contractor shall not, and shall take reasonable steps to ensure that the Staff shall not, make any press announcement or publicise the Agreement or any part of the Agreement in any way, except with the prior written consent of the Customer.
- 11.6. The Contractor shall be permitted to publish the results of the Services subject to the consent of the Authority which shall not be unreasonably withheld or delayed.

12. Freedom of Information

- 12.1 The Contractor and the Customer acknowledge that they are both subject to the requirements of the FOIA and the Environmental Information Regulations 2004. Each Party shall promptly notify the other of and consult with each other in relation to any Request for Information it receives related to the Services or the subject-matter of this Agreement and shall, in respect of such Request for Information, provide all necessary assistance and cooperation as reasonably requested by the other Party to enable it to comply with its obligations under the FOIA and the Environmental Information Regulations 2004.
- 12.2 For the avoidance of doubt both the Customer and the Contractor acknowledge

that whomever receives the Request for Information shall retain absolute discretion as to whether the Confidential Information is exempt from disclosure or is required to be disclosed pursuant to a Request for Information they have received

- 12.3 Notwithstanding the foregoing, the Parties acknowledge that they may be required under the FOIA and the Environmental Information Regulations 2004 to disclose Information concerning the other Party or the Services (including commercially sensitive information) without consulting or obtaining consent from the other Party. In these circumstances the Party that received the Request for Information shall, in accordance with any relevant guidance issued under the FOIA, take reasonable steps, where appropriate, to give the other Party advance notice, or failing that, to draw the disclosure to the other Party's attention after any such disclosure.

13. Protection of Personal Data and Security of Data

- 13.1. The Parties acknowledge that for the purposes of the Data Protection Legislation, the Customer is the Controller and the Contractor is the Processor unless otherwise specified in Schedule 1. The only processing that the Contractor is authorised to do is listed in Schedule 1 by the Customer and may not be determined by the Contractor.
- 13.2. The Contractor shall notify the Customer immediately if it considers that any of the Customer's instructions infringe the Data Protection Legislation.
- 13.3. The Contractor shall provide all reasonable assistance to the Customer in the preparation of any Data Protection Impact Assessment prior to commencing any processing. Such assistance may, at the discretion of the Customer, include:
- a. a systematic description of the envisaged processing operations and the purpose of the processing;
 - b. an assessment of the necessity and proportionality of the processing operations in relation to the Services;
 - c. an assessment of the risks to the rights and freedoms of Data Subjects; and
 - d. the measures envisaged to address the risks, including safeguards, security measures and mechanisms to ensure the protection of Personal Data.
- 13.4. The Contractor shall, in relation to any Personal Data processed in connection with its obligations under this Agreement:
- a. process that Personal Data only in accordance with Schedule 1 unless the Contractor is required to do otherwise by Law. If it is so required the Contractor

shall promptly notify the Customer before processing the Personal Data unless prohibited by Law;

- b. ensure that it has in place Protective Measures which are appropriate to protect against a Data Loss Event, which the Customer may reasonably reject (but failure to reject shall not amount to approval by the Customer of the adequacy of the Protective Measures), having taken account of the:
 - i. nature of the data to be protected;
 - ii. harm that might result from a Data Loss Event;
 - iii. state of technological development; and
 - iv. cost of implementing any measures;
- c. ensure that :
 - i. the Staff do not process Personal Data except in accordance with this Agreement (and in particular Schedule 1);
 - ii. it takes all reasonable steps to ensure the reliability and integrity of any Staff who have access to the Personal Data and ensure that they:
 - 1. are aware of and comply with the Contractor's duties under this clause;
 - 2. are subject to appropriate confidentiality undertakings with the Contractor or any Sub-processor;
 - 3. are informed of the confidential nature of the Personal Data and do not publish, disclose or divulge any of the Personal Data to any third party unless directed in writing to do so by the Customer or as otherwise permitted by this Agreement; and
 - 4. have undergone adequate training in the use, care, protection and handling of Personal Data; and
- d. not transfer Personal Data outside of the European Union unless the prior written consent of the Customer has been obtained and the following conditions are fulfilled:
 - i. the Customer or the Contractor has provided appropriate safeguards in relation to the transfer (whether in accordance with the GDPR Article 46 or LED Article 37) as determined by the Customer;
 - ii. the Data Subject has enforceable rights and effective legal remedies;

- iii. the Contractor complies with its obligations under the Data Protection Legislation by providing an adequate level of protection to any Personal Data that is transferred (or, if it is not so bound, uses its best endeavours to assist the Customer in meeting its obligations); and
 - iv. the Contractor complies with any reasonable instructions notified to it in advance by the Customer with respect to the processing of the Personal Data;
 - e. at the written direction of the Customer, delete or return Personal Data (and any copies of it) to the Customer on termination of the Agreement unless the Contractor is required by Law to retain the Personal Data.
- 13.5. Subject to clause 13.6 the Contractor shall notify the Customer immediately if, in relation to any Personal Data processed in connection with its obligations under this Agreement, it:
- a. receives a Data Subject Request (or purported Data Subject Request);
 - b. receives a request to rectify, block or erase any Personal Data;
 - c. receives any other request, complaint or communication relating to either Party's obligations under the Data Protection Legislation;
 - d. receives any communication from the Information Commissioner or any other regulatory authority;
 - e. receives a request from any third party for disclosure of Personal Data where compliance with such request is required or purported to be required by Law; or
 - f. becomes aware of a Data Loss Event.
- 13.6. The Contractor's obligation to notify under clause 13.5 shall include the provision of further information to the Customer in phases, as details become available.
- 13.7. Taking into account the nature of the processing, the Contractor shall provide the Customer with full assistance in relation to either Party's obligations under Data Protection Legislation in relation to any Personal Data processed in connection with its obligations under this Agreement and any complaint, communication or request made under Clause 13.5 (and insofar as possible within the timescales reasonably required by the Customer) including by promptly providing:
- a. the Customer with full details and copies of the complaint, communication or request;

- b. such assistance as is reasonably requested by the Customer to enable the Customer to comply with a Data Subject Request within the relevant timescales set out in the Data Protection Legislation;
- c. the Customer, at its request, with any Personal Data it holds in relation to a Data Subject;
- d. assistance as requested by the Customer following any Data Loss Event;
- e. assistance as requested by the Customer with respect to any request from the Information Commissioner's Office, or any consultation by the Customer with the Information Commissioner's Office.

13.8. The Contractor shall maintain complete and accurate records and information to demonstrate its compliance with this clause 13. This requirement does not apply where the Contractor employs fewer than 250 staff, unless:

- a. the Customer determines that the processing is not occasional;
- b. the Customer determines the processing includes special categories of data as referred to in Article 9(1) of the GDPR or Personal Data relating to criminal convictions and offences referred to in Article 10 of the GDPR; or
- c. the Customer determines that the processing is likely to result in a risk to the rights and freedoms of Data Subjects.

13.9. The Contractor shall allow for audits of its Personal Data processing activity by the Customer or the Customer's designated auditor.

13.10. Each Party shall designate its own Data Protection Officer if required by the Data Protection Legislation.

13.11. Before allowing any Sub-processor to process any Personal Data related to this Agreement, the Contractor must:

- a. notify the Customer in writing of the intended Sub-processor and processing;
- b. obtain the written consent of the Customer;
- c. enter into a written agreement with the Sub-processor which give effect to the terms set out in this clause 13 such that they apply to the Sub-processor; and

- d. provide the Customer with such information regarding the Sub-processor as the Customer may reasonably require.
- 13.12. The Contractor shall remain fully liable for all acts or omissions of any of its Sub-processors.
- 13.13. The Customer may, at any time on not less than 30 Working Days' notice, revise this clause by replacing it with any applicable controller to processor standard clauses or similar terms forming part of an applicable certification scheme (which shall apply when incorporated by attachment to this Agreement).
- 13.14. The Parties agree to take account of any non-mandatory guidance issued by the Information Commissioner's Office. The Customer may on not less than 30 Working Days' notice to the Contractor amend this Agreement to ensure that it complies with any guidance issued by the Information Commissioner's Officer.
- 13.15. When handling Customer data (whether or not Personal Data), the Contractor shall ensure the security of the data is maintained in line with the security requirements of the Customer as notified to the Contractor from time to time.
- 13.16. This clause 13 shall apply during the Term and indefinitely after its expiry.

14. Liability

- 14.1 The Contractor shall not be responsible for any injury, loss, damage, cost or expense suffered by the Customer if and to the extent that it is caused by the negligence or wilful misconduct of the Customer or by breach by the Customer of its obligations under the Agreement.
- 14.2 Subject always to clauses 14.3:
 - 14.2.1 the aggregate liability of the Contractor in respect of all defaults, claims, losses or damages howsoever caused, whether arising from breach of the Agreement, the supply or failure to supply of the Services, misrepresentation (whether tortious or statutory), tort (including negligence), breach of statutory duty or otherwise shall in no event exceed a sum equal to 125% of the Charges paid or payable to the Contractor; and
 - 14.2.2 In no event shall the Contractor be liable to the Customer for any:
 - a) loss of profits;

- b) loss of business;
- c) loss of revenue;
- d) loss of or damage to goodwill;
- e) loss of savings (whether anticipated or otherwise); and/or
- f) any indirect, special or consequential loss or damage.

14.3 Nothing in the Agreement shall be construed to limit or exclude either Party's liability for:

14.3.1 death or personal injury caused by its negligence or that of its Staff;

14.3.2 fraud or fraudulent misrepresentation by it or that of its Staff; or

14.3.3 any other matter which, by law, may not be excluded or limited.

15. Force Majeure

15.1 Neither Party shall have any liability under or be deemed to be in breach of the Agreement for any delays or failures in performance of the Agreement which result from circumstances beyond the reasonable control of the Party affected. Each Party shall promptly notify the other Party in writing when such circumstances cause a delay or failure in performance and when they cease to do so. If such circumstances continue for a continuous period of more than two months, either Party may terminate the Agreement by written notice to the other Party.

16. Termination

16.1 The Customer may terminate the Agreement at any time by notice in writing to the Contractor to take effect on any date falling at least 1 month (or, if the Agreement is less than 3 months in duration, at least 10 Working Days) later than the date of service of the relevant notice.

- 16.2 Without prejudice to any other right or remedy it might have, the Customer may terminate the Agreement by written notice to the Contractor with immediate effect if the Contractor:
- 16.2.1 (without prejudice to clause 16.2.5), is in material breach of any obligation under the Agreement which is not capable of remedy;
 - 16.2.2 repeatedly breaches any of the terms and conditions of the Agreement in such a manner as to reasonably justify the opinion that its conduct is inconsistent with it having the intention or ability to give effect to the terms and conditions of the Agreement;
 - 16.2.3 is in material breach of any obligation which is capable of remedy, and that breach is not remedied within 30 days of the Contractor receiving notice specifying the breach and requiring it to be remedied;
 - 16.2.4 undergoes a change of control within the meaning of section 416 of the Income and Corporation Taxes Act 1988;
 - 16.2.5 breaches any of the provisions of clauses 7.2, 11, 12, 13 and 17;
 - 16.2.6 becomes insolvent, or if an order is made or a resolution is passed for the winding up of the Contractor (other than voluntarily for the purpose of solvent amalgamation or reconstruction), or if an administrator or administrative receiver is appointed in respect of the whole or any part of the Contractor's assets or business, or if the Contractor makes any composition with its creditors or takes or suffers any similar or analogous action (to any of the actions detailed in this clause 16.2.6) in consequence of debt in any jurisdiction; or
 - 16.2.7 fails to comply with legal obligations in the fields of environmental, social or labour law.
- 16.3 The Contractor shall notify the Customer as soon as practicable of any change of control as referred to in clause 16.2.4 or any potential such change of control.
- 16.4 The Contractor may terminate the Agreement by written notice to the Customer if the Customer has not paid any undisputed amounts within 90 days of them falling due.
- 16.5 Termination or expiry of the Agreement shall be without prejudice to the rights of either Party accrued prior to termination or expiry and shall not affect the continuing rights of the Parties under this clause and clauses 2, 3.2, 6.1, 6.2, 6.6, 6.7, 7, 9, 10.2, 11, 12, 13, 14, 16.6, 17.4, 18.3, 19 and 20.7 or any other provision

of the Agreement that either expressly or by implication has effect after termination.

16.6 Upon termination or expiry of the Agreement, the Contractor shall:

16.6.1 give all reasonable assistance to the Customer and any incoming Contractor of the Services; and

16.6.2 return all requested documents, information and data to the Customer as soon as reasonably practicable.

17. Compliance

17.1 The Contractor shall promptly notify the Customer of any health and safety hazards which may arise in connection with the performance of its obligations under the Agreement. The Customer shall promptly notify the Contractor of any health and safety hazards which may exist or arise at the Customer's premises and which may affect the Contractor in the performance of its obligations under the Agreement.

17.2 The Contractor shall:

17.2.1 comply with all the Customer's health and safety measures while on the Customer's premises; and

17.2.2 notify the Customer immediately in the event of any incident occurring in the performance of its obligations under the Agreement on the Customer's premises where that incident causes any personal injury or damage to property which could give rise to personal injury.

17.3 The Contractor shall:

17.3.1 perform its obligations under the Agreement in accordance with all applicable equality Law and the Customer's equality and diversity policy as provided to the Contractor from time to time; and

17.3.2 take all reasonable steps to secure the observance of clause 17.3.1 by all Staff.

17.4 The Contractor shall supply the Services in accordance with the Customer's environmental policy as provided to the Contractor from time to time.

17.5 The Contractor shall comply with, and shall ensure that its Staff shall comply with, the provisions of:

17.5.1 the Official Secrets Acts 1911 to 1989; and

17.5.2 section 182 of the Finance Act 1989.

18. Prevention of Fraud and Corruption

18.1 The Contractor shall not offer, give, or agree to give anything, to any person an inducement or reward for doing, refraining from doing, or for having done or refrained from doing, any act in relation to the obtaining or execution of the Agreement or for showing or refraining from showing favour or disfavour to any person in relation to the Agreement.

18.2 The Contractor shall take all reasonable steps, in accordance with good industry practice, to prevent fraud by the Staff and the Contractor (including its shareholders, members and directors) in connection with the Agreement and shall notify the Customer immediately if it has reason to suspect that any fraud has occurred or is occurring or is likely to occur.

18.3 If the Contractor or the Staff engages in conduct prohibited by clause 18.1 or commits fraud in relation to the Agreement or any other contract with the Crown (including the Customer) the Customer may:

18.3.1 terminate the Agreement and recover from the Contractor the amount of any loss suffered by the Customer resulting from the termination, including the cost reasonably incurred by the Customer of making other arrangements for the supply of the Services and any additional expenditure incurred by the Customer throughout the remainder of the Agreement; or

18.3.2 recover in full from the Contractor any other loss sustained by the Customer in consequence of any breach of this clause.

19. Dispute Resolution

19.1 The Parties shall attempt in good faith to negotiate a settlement to any dispute between them arising out of or in connection with the Agreement and such efforts shall involve the escalation of the dispute to an appropriately senior representative of each Party.

- 19.2 If the dispute cannot be resolved by the Parties within one month of being escalated as referred to in clause 19.1, the dispute may by agreement between the Parties be referred to a neutral adviser or mediator (the “Mediator”) chosen by agreement between the Parties. All negotiations connected with the dispute shall be conducted in confidence and without prejudice to the rights of the Parties in any further proceedings.
- 19.3 If the Parties fail to appoint a Mediator within one month, or fail to enter into a written agreement resolving the dispute within one month of the Mediator being appointed, either Party may exercise any remedy it has under applicable law.

20. General

- 20.1 Each of the Parties represents and warrants to the other that it has full capacity and authority, and all necessary consents, licences and permissions to enter into and perform its obligations under the Agreement, and that the Agreement is executed by its duly authorised representative.
- 20.2 A person who is not a party to the Agreement shall have no right to enforce any of its provisions which, expressly or by implication, confer a benefit on him, without the prior written agreement of the Parties.
- 20.3 The Agreement cannot be varied except in writing signed by a duly authorised representative of both the Parties.
- 20.4 The Agreement contains the whole agreement between the Parties and supersedes and replaces any prior written or oral agreements, representations or understandings between them. The Parties confirm that they have not entered into the Agreement on the basis of any representation that is not expressly incorporated into the Agreement. Nothing in this clause shall exclude liability for fraud or fraudulent misrepresentation.
- 20.5 Any waiver or relaxation either partly, or wholly of any of the terms and conditions of the Agreement shall be valid only if it is communicated to the other Party in writing and expressly stated to be a waiver. A waiver of any right or remedy arising from a breach of contract shall not constitute a waiver of any right or remedy arising from any other breach of the Agreement.
- 20.6 The Agreement shall not constitute or imply any partnership, joint venture, agency, fiduciary relationship or other relationship between the Parties other than the contractual relationship expressly provided for in the Agreement. Neither Party shall have, nor represent that it has, any authority to make any commitments on the other Party's behalf.

- 20.7 Except as otherwise expressly provided by the Agreement, all remedies available to either Party for breach of the Agreement (whether under the Agreement, statute or common law) are cumulative and may be exercised concurrently or separately, and the exercise of one remedy shall not be deemed an election of such remedy to the exclusion of other remedies.
- 20.8 If any provision of the Agreement is prohibited by law or judged by a court to be unlawful, void or unenforceable, the provision shall, to the extent required, be severed from the Agreement and rendered ineffective as far as possible without modifying the remaining provisions of the Agreement, and shall not in any way affect any other circumstances of or the validity or enforcement of the Agreement.

21. Notices

- 21.1 Any notice to be given under the Agreement shall be in writing and may be served by personal delivery, first class recorded or, subject to clause 21.3, e-mail to the address of the relevant Party set out in the Award Letter, or such other address as that Party may from time to time notify to the other Party in accordance with this clause:
- 21.2 Notices served as above shall be deemed served on the Working Day of delivery provided delivery is before 5.00pm on a Working Day. Otherwise delivery shall be deemed to occur on the next Working Day. An email shall be deemed delivered when sent unless an error message is received.
- 21.3 Notices under clauses 15 (Force Majeure) and 16 (Termination) may be served by email only if the original notice is then sent to the recipient by personal delivery or recorded delivery in the manner set out in clause 21.1.

22. Governing Law and Jurisdiction

- 22.1 The validity, construction and performance of the Agreement, and all contractual and non contractual matters arising out of it, shall be governed by English law and shall be subject to the exclusive jurisdiction of the English courts to which the Parties submit.

SCHEDULE 1 - PROCESSING, PERSONAL DATA AND DATA SUBJECTS

1. This Schedule shall be completed by the Customer, who may take account of the view of the Contractor, however the final decision as to the content of this Schedule shall be with the Customer at its absolute discretion.

2. The contact details of the Customer Data Protection Officer are:

DGC.GDPR@defra.gsi.gov.uk

3. The contact details of the Contractor Data Protection Officer are:



Polaris House

Swindon

SN2 1FL

dataprotection@ukri.org

4. The Contractor shall comply with any further written instructions with respect to processing by the Customer.

5. Any such further instructions shall be incorporated into this Schedule.

Data Processing descriptor	Narrative
Identity of the Controller and Processor	The Parties acknowledge that for the purposes of the Data Protection Legislation, the Customer is the Controller and the Contractor is the Processor in accordance with Clause 13.1.
Subject matter of the processing	For the purposes of this Contract this is any personal data controlled by the Authority or, as the case may be, the relevant Customer, for the purposes of carrying out its duties and enforcing its rights under this Contract.
Duration of the processing	For the duration of the Contract.
Nature and purposes of the processing	The nature of the processing means any operation such as collection, recording, organisation, structuring, storage, adaptation or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction of data (whether or not by automated means) etc. Storage and use of Personal details of Contacts of the Provider, and third parties working to the specification for purposes of providing services in accordance with the Contract.

Type of Personal Data	Examples here include: name, address, date of birth, NI number, telephone number, pay, images, biometric data etc.
Categories of Data Subject	Including staff (including volunteers, agents, and temporary workers), customers/clients, stakeholders, suppliers, members of the public, users of a particular website, etc.
<p>Plan for return and destruction of the data once the processing is complete</p> <p>UNLESS requirement under union or member state law to preserve that type of data</p>	<p>The Provider will store relevant personal data in an electronic file, specific to the programme, in its central document management system which is stored, backed up and supported within the UK. Some hard copy documentation may also be stored in a physical matter file in the UK. Relevant personal data will be retained in accordance with the Provider's <i>Physical Records Retention Policy</i>, which specifies a standard retention period for 6 years after termination or expiry of the Contract.</p>

ANNEX 2: Pricing Schedule

Requirement: Developing an innovative approach to monitoring soil health in England and Wales

Organisation Name: Centre of Ecology & Hydrology (CEH)

	£74,700.00
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ANNEX 3: Specification

1. Background

- 1.1 The recently published [25 Year Environment Plan](#) sets out Defra's long term approach to managing and protecting our natural environment. As a natural resource, soil provides the foundation to farming, forestry and the architecture of landscapes across the UK, and provides the wider public with benefits from a multitude of ecosystem services. However, in order to meet Defra's ambition to achieve sustainable management of all soils in England by 2030, it is clear that more information is required to identify appropriate management interventions to improve the health of our soils. Although soil health is very context specific, it can be loosely defined as the ability of soils to function and deliver ecosystem services.
- 1.2 The Plan acknowledges that we currently lack sufficient data to understand the current status of our soils and the need to invest in soil monitoring. Traditional national soil monitoring (i.e. sample collections on a grid or stratified random basis, across the country) has provided valuable contextual information, but , for considerable resource input currently only provides national scale statistics which are not adequate to answer many of today's policy questions. Therefore, recognising the importance of this type of soil monitoring, the purpose of this research is to identify innovative and cost-effective ways of delivering the required additional information to support policy and enhance existing monitoring programmes. Currently, agri-environment schemes rely on limited national monitoring capabilities and therefore a wider understanding of soil health and monitoring approaches will also help support the development of soil metrics for a new effective environmental land management system, as outlined in the [Future Farming Command Paper](#).
- 1.3 Defra has previously funded and supported research on soil quality indicators, traditional national soil monitoring schemes and new alternative cost-effective methods for soil monitoring. Whilst some of this previous research can provide useful context, it has often been constrained by preselection of soil indicators. Therefore, this project aims to design a new solution without such constraints.

2. Welsh Government Policy Position

- 2.1 The [Well-being of Future Generations Act](#) (Wales), [The Environment Act \(Wales\)](#) and associated [Natural Resources Policy](#) (NRP) and [Report on the State of Natural Resources](#) (SoNaRR) (2016) underline that Wales' natural resources provide a wide range of benefits and a wealth of opportunities. These include the ability to support our prosperity and improve our health as a nation. To do so, we need to improve the way we manage our natural resources – our land, sea and air. Soil is an important theme through the natural resource management policy framework and a significant area of investment for the Welsh Government. Whilst soil policy is devolved and at a different position to England, some of the data and future challenges are common to both countries. We seek to continue to co-ordinate and embed best practice for sustainable management of soil resources to achieve improved carbon storage and sequestration, water quality and continued productivity; which we recognise will require an informed approach to monitoring of trends in soil health across Wales.

3. The main aims of this research project are outlined below:

- *To identify the current and anticipated policy questions in England and Wales that require an understanding of the changing health of our soils;*
- *To develop an innovative, cost effective, monitoring solution to improve our understanding of soil health status across England and Wales;*

- *To develop a robust soil monitoring framework/methodology which collates and integrates multiple data sources at the appropriate scales required for answering key soil health policy questions;*
- *To develop a flexible soil monitoring framework/methodology which can allow further data inputs to meet future policy/end user needs;*
- *To provide evidence to inform the development of appropriate soil metrics and a new environmental land management scheme, as set out in the Future Farming Command Paper and the 25 year environment Plan.*
- *To provide evidence to help co-ordinate and embed best practice for sustainable management of soil resources in Wales, as part of the natural resource management policy framework.*

4. Geographic scope

- 4.1 This research project covers both England and Wales under the standard remit of Defra's R&D programme. However, as soils policy is devolved, the policy needs for soils data may differ in each country. Therefore, although a common solution may be proposed for both England and Wales, soils data will need to be reported separately for each country; and a country specific solution may be more appropriate. The spatial scale at a subnational level should also be considered so that locations or situations for soil health interventions can be identified.

5. Research requirements

- 5.1 Research is required to better understand the current and anticipated future policy questions that need to be addressed by soil monitoring (at a national and sub-national level) and to design an innovative approach to collecting and integrating data to answer these questions.

6. Proposed methodology

- 6.1 It is proposed that this project is made up of two related work packages:
- **Work Package 1:** An assessment of the needs for soil health monitoring to support policy making and delivery of our objectives.
 - **Work Package 2:** Developing an innovative approach to monitoring soil health
- 6.2 Research should comply with the [Joint Code of Practice for Research](#) and any use of personal data must comply with [GDPR](#) data protection regulation.
- 6.3 WP1: An assessment of the needs for soil health monitoring to support policy making and delivery of our objectives**
- 6.3.1 This work package should identify the current and anticipated future policy questions in England and Wales that require an understanding of the changing health of our soils. This should also be put in context of relevant UK laws and international commitments.
- 6.3.2 The proposal should identify people and groups who will be approached for interview as well as a methodology for conducting the interviews and analysing the findings.

- 6.3.3 Policy questions should be identified by up to 25 interviews with policy teams (e.g. soils, biodiversity, agriculture, water quality, climate change mitigation and adaptation, and land use planning) within England and Wales. It is expected that most of these interviews will be with government department and agency staff, but up to 5 interviews could be with policy teams within stakeholder organisations (e.g. National Farmers Union, Committee on Climate Change & Adaptation Sub-Committee). As part of the interview it should be established what aspects of soil health are considered most pertinent for each policy area. The interviews could be carried out individually or in groups, using a range of approaches (e.g. unstructured and structured questions) and this should be outlined in the methodology.
- 6.3.4 This WP should focus solely on identifying the questions which need answering and should not at this stage explore soil indicators or parameters to be monitored. Any specific indicators or parameters raised by interviewees should be interrogated to get to the underlying policy question. Once established, these should be put into the context of how policy can be delivered across the country and monitoring requirements to support this over a range of spatial scales. An agreed list (or sub-set of the full list) of up to 8 policy questions will be taken forward in WP2.

6.4 WP2: Developing an innovative approach to monitoring soil health

- 6.4.1 Traditional national soil monitoring is only one of the ways of collecting data on soil health and there is currently a wealth of soil and proxy data being collected by companies, farmers, other land managers and regulators.
- 6.4.2 This WP should take a “big data” approach to combining and integrating soils or proxy data from multiple data sources (including academic data, industry data, long term monitoring data sets and remote sensing) to provide the understanding of the changing health of our soils required by policy, at the appropriate spatial, to address the policy questions identified in WP1. Innovative analytical approaches such as machine learning or AI may be required to mine the data.
- 6.4.2 The proposal should set out the approach by which this work package will be addressed with particular focus on how available relevant datasets will be identified and potentially obtained as well as methodologies for combining soil data from multiple sources (and issues that need to be addressed).
- 6.4.3 The soils or proxy data being collected in each country should be identified (this is not expected to be an exhaustive exercise), and metadata should also be provided in the report. Any barriers to the use of each data source should be explained and any GDPR and intellectual property issues should be specified.

6.5 Integration of data

- 6.5.1 A framework or methodology for combining data from multiple identified sources should be developed using a selection of real data. Detail should be provided on how the robustness of this methodology will be ensured, including the reliability of data, for delivering answers to specific policy questions (selected from WP1).
- 6.5.2 Indicators of soil health or soil parameters of interest should not be predetermined. Instead the available data should be assessed for how its use can contribute to answering the policy questions on soil health identified in WP1.

6.6 Addressing gaps in data

- 6.6.1 Gaps in the data required to answer the policy questions should be identified, and analysed according to the most appropriate parameters (for example, by soil type, or land use, region). Cost-effective methods for obtaining the data (e.g. modelling, or sampling) should be proposed. A clear cost analysis of approaches should be provided. Approaches may require collection of new soil or other samples for analysis. If this is the proposed methodology, effort should be made to streamline and extrapolate these approaches to different scales, and detail should be provided on the number and spatial distribution of samples required.

6.7 Flexibility and longevity

- 6.7.1 A key requirement for the monitoring framework is flexibility for integrating additional data, to meet changing data/policy needs in the future and provide added value to its capability, whilst building on existing data sets. The proposal should include how the team intends to develop a set of compatibility criteria, to ensure ease of data integration and allow ongoing standardisation of national monitoring over time (i.e. to assess progress of delivering the 25 Year Environment Plan goals), especially as technology advancements enable access to new and improved datasets. An explanation of any maintenance requirements must also be provided.

7. Project team

- 7.1 The project team should clearly demonstrate:
- A track record in managing and successfully completing research of this type proposed, including references
 - Expertise in utilising and mining 'big data'
 - Relevant experience in environmental monitoring
 - Relevant experience in policy/stakeholder engagement and analysis
- 7.2 In addition it is desirable that a small proportion of the team can demonstrate:
- Relevant knowledge and understanding of soil science.
- 7.3 Given the different types of research activity involved in the project, the team may wish to consider a consortium approach.

8. Key Performance indicators (KPIs)

8.1 The following process applies to the use of KPIs for the Project:

- Measurement of KPIs will start one month after the commencement of the Contract.
- KPIs will be measured and reported on by the Appointed Contractor.
- The Appointed Contractor and Defra's project manager will meet (probably by phone) to review KPIs regularly, to be determined at the Project's Inception meeting

8.2 Suggested KPIs, measures of KPIs and base level requirements are set out in the table below:

Key performance indicator (KPI)	Measure(s)	Measurement	Base level requirement
Adherence to project scope	<ul style="list-style-type: none">• Defra's project manager is advised within two weeks of any changes to what the Project will be delivering, how it will be delivered, or the Project's team.• Steps are taken to resolve problems with delivery by the Appointed Contractor within two weeks of notifying Defra's project manager.• The Appointed Contractor submits regular progress reports (agreed with Defra at the conception meeting) to Defra's project manager that review the Project's progress against milestones and update the Project's risk and issues register.	The Appointed Contractor provides information and within the specified time frame.	Meets expectations 96% - 100% of the time.
Quality of delivery	<ul style="list-style-type: none">• The Appointed Contractor adequately addresses feedback delivered by Defra on draft and final versions of all documents, templates and other materials.	An assessment as to whether feedback has been adequately addressed.	Meets expectations 96% - 100% of the time.
Timeliness of delivery	<ul style="list-style-type: none">• Delivery by the Appointed Contractor to the dates specified in the Project's plan for draft and final versions of all documents, and reporting and evaluation in the project plan (or variations in these agreed with Defra's Project Manager).	Timeliness of delivery compared with deadlines project plan (or variations agreed with Defra's project manager).	Meets expectations 96% - 100% of the time.
Adherence to budget	<ul style="list-style-type: none">• Performance against budgeted cost	Comparison of cost against budget agreed in the Contract.	Meets expectations 96% - 100% of the time.

9. Project management

- 9.1 The project leader will be responsible for the management and delivery of the project and will act as the liaison point with the Defra project manager.
- 9.2 A project initiation meeting between the Defra and the successful Tenderer will be required at the start of the project. A further meeting should take place at the end of the project to discuss the draft final report. Other project meetings can be proposed as appropriate. All project meetings will be held in the Defra offices in London.
- 9.3 Secretariat and production of minutes from meetings is the responsibility of the successful Tenderer, who will share meeting minutes with the project team and Defra.

10. Reporting requirements

- 10.1 In order to assist the Defra project manager to observe the progress we request that you include sufficient milestones related to the work packages within the project that will demonstrate the progress of the research.
- 10.2 The project will start 12th November 2018 and will last for 17 months.
- 10.3 Compulsory **milestones** are as follows:
- A project initiation meeting with Defra
 - Submission of final report for WP1 by 15th February 2019 (please note, final payment will not be released until the report has been reviewed and deemed satisfactory by Defra). As a minimum this should include aims and objectives, methodology, key findings and analysis, conclusions and a list of policy questions to be taken forward into WP2
 - Submission of draft final report for WP2 no later than 2 weeks before a final project meeting. The report should include an explanation of the assumptions and the level of uncertainty in the results
 - Submission of final report for WP2 (please note, final payment will not be released until the report has been reviewed and deemed satisfactory by Defra). This should include aims and objectives, detailed methodology and its strengths/limitations in relation to answering the selected policy questions, as well as details on data compatibility requirements for future use.
 - In addition, interim briefing notes will need to be submitted for use in updating the Minister progress of the project. The first and second set of notes should be received by 15th May 2019, and 15th August 2019 respectively, and should be no longer than 4 sides of A4, font size 11. The note must be written for a non-technical audience (i.e. in Plain English).

11. Payment method

- 11.1 The project will be paid by milestones as follows

Payment date	Milestone	Amount
March 2019	WP1 report accepted.	
July 2019	1 st interim briefing note (May) accepted and draft of 2 nd briefing note distributed for review.	
November 2019	Final report accepted.	
	Total (excluding VAT)	
		£74,700.00

Travel and Subsistence Policy

All Travel and Subsistence should be in line with Defra's Travel and Subsistence Policy. Claims should always be supported by valid receipts for audit purposes and must not exceed any of the stated rates below. Should the stated rate be exceeded, Defra reserve the right to reimburse only up to the stated rate.

Rail Travel

All Journeys – Standard class rail unless a clear business case demonstrating value for money can be presented. This includes international rail journeys by Eurostar and other international and overseas rail operators.

Mileage Allowance

Mileage Allowance	First 10,000 business miles in the tax year	Each business mile over 10,000 in the tax year
Private cars and vans – no public transport rate*	45p	25p
Private cars and vans – public transport rate	25p	25p
Private motor cycles	24p	24p
Passenger supplement	5p	5p
Equipment supplement**	3p	3p
Bicycle	20p	20p

*NB the 'no public transport rate' for car and van travel can only be claimed where the use of a private vehicle for the journey is essential e.g. on grounds of disability or where there is no practical public transport alternative. If the use of the vehicle is not essential the 'public transport rate' should be claimed.

** Under HMRC rules this expense is taxable.

UK Subsistence

Location	Rate
London (Bed and Breakfast)	£130 per night
Rates for specific cities (Bed and Breakfast)	Bristol £100 per night Weybridge £100 per night Warrington £90 per night Reading £85 per night
UK Other (Bed and Breakfast)	£75 per night for all other locations