

The Degrees Initiative (**Contractor**)

c/o Sedulo London

Office 605, Albert House

256–260 Old Street

London

EC1V 9DD

02 July 2025

Attention: Andy Parker

Dear Andy,

FPCW-PR01-P021 GRID-CC: Global to Regional Impacts Downscaling for Climate Cooling– Research Contract Agreement - Offer Letter

Congratulations, we can't wait to see what you will achieve and very much look forward to working with you and your team.

You recently submitted an application in response to Exploring Climate Cooling. We are pleased to confirm that ARIA wishes to appoint you to deliver the contract research services as described in the Project for ARIA, subject to the terms and conditions set out in this Offer Letter and its Schedules.

1. Overview of the Agreement

- 1.1. Any reference in this Offer Letter to you or your means the Contractor and any capitalised terms have the meanings given in Schedule 1 below).

Certain variables of the Agreement are set out in the table below:

Project	The project entitled GRID-CC: Global to Regional Impacts Downscaling for Climate Cooling, details of which can be found in Schedule 2.
Maximum Approved Cost (inclusive of taxes)	Maximum Approved Cost (inclusive of all taxes where applicable) is: £2,078,254
Commencement Date	The commencement date is 02 July 2025
Completion Date	The completion is 01 July 2028
Adequate Insurance	Employers' liability - At least £5 million (as required by the Employers' Liability (Compulsory Insurance Act 1969)) Public liability: £10 million (per year in aggregate)

Monitoring and Reporting	The performance reports referred to in clause 7 of Schedule 1 shall be provided by you at the frequency identified in Schedule 2 to the ARIA point of contact as set out in the project kick-off documentation.	
Contractor's Representative	[REDACTED] Programmes Director, [REDACTED] & cc [REDACTED] Chief Operating Officer, [REDACTED]	
ARIA's Representative	Mark Symes, Programme Director [REDACTED]	
Escalation Contacts	ARIA	Contractor
	Chief Product Officer [REDACTED]	[REDACTED], Programmes Director, [REDACTED] & cc [REDACTED] Chief Operating Officer, [REDACTED]
Notices	ARIA Contracts [REDACTED]	[REDACTED] Programmes Director, [REDACTED] & cc [REDACTED] Chief Operating Officer, [REDACTED]

2. Confirmation of Bank Details

- 2.1. You must complete and sign the Confirmation of Bank Details form available [here](#) as part of your acceptance of the Contract and return it to finance@aria.org.uk.

3. Obligations

- 3.1. You will undertake the Project as a contract research and development project carried out at the direction of and for the benefit of ARIA's programmes.
- 3.2. ARIA will pay you the Approved Cost as set out in Schedule 2 for undertaking the Project in accordance with Offer Letter and its Schedules.

4. The Agreement

- 4.1. Once you sign a copy of this Offer Letter in accordance with paragraph 7 (Acceptance) below, it will form a binding **Agreement** between you and ARIA that includes and

incorporates the following documents:

- 4.1.1. the **Conditions** in Schedule 1;
 - 4.1.2. the **Project Activities, Milestones** and **Application** in Schedule 2; and
 - 4.1.3. the terms relating to Data Protection in Schedule 3.
- 4.2. The contract effected by the signing of this Offer Letter constitutes the whole agreement between the parties and supersedes all prior negotiations, agreements, representations or understandings between them relating to the subject matter of this Agreement.
- 4.3. Each party acknowledges that, in entering into the Agreement, it does not rely on any statement, representation, assurance or warranty (Representation) of any person (whether a party to this Agreement or not) other than as expressly set out in the Agreement. Each party agrees that the only remedies available to it arising out of or in connection with a Representation shall be for breach of contract.

5. Warranties

- 5.1. By signing this Offer Letter, you warrant and represent that:
- 5.1.1. your obligations under the Agreement are legal, valid, binding and enforceable;
 - 5.1.2. all authorisations and consents necessary to enable you to enter into and perform the obligations in the Agreement have been obtained;
 - 5.1.3. the person signing the Agreement is duly authorised to sign on your behalf;
 - 5.1.4. there are no actions, suits or proceedings pending or, to your knowledge, threatened against or affecting you before any court or administrative body or tribunal that might affect the ability of you to meet and carry out your obligations under this Agreement;
 - 5.1.5. the Project will be carried out by appropriately experienced, qualified and trained personnel with all due skill, care and diligence;
 - 5.1.6. you will discharge your obligations hereunder with all due skill, care and diligence, including, but not limited to, good industry practice and (without limiting the generality of the foregoing) in accordance with your own established internal procedures; and
 - 5.1.7. the provision of the Project and ARIA's use of the Intellectual Property rights in the Foreground IP granted shall not infringe any Intellectual Property rights of any Third Party.

6. Amendments

Not Used

7. Acceptance

- 7.1. To confirm your acceptance of the Agreement please arrange for an authorised signatory to sign and date the duplicate copy of this Offer Letter as indicated below and return to ARIA as a complete signed original of the Offer Letter including its Schedules, accompanied by evidence of the authorised signatory's authority to enter into the Agreement and to bind the Contractor.
- 7.2. This Offer Letter expires on 4 July 2025 and any acceptance received after this date will not be valid.

Yours sincerely

Signed by the duly authorised signatory of ARIA:

Signature

Name

Position

Date

Signed by the duly authorised signatory of The Degrees Initiative

Signature

Name

Position

Date

SCHEDULE 1 - CONDITIONS

1. PRECEDENCE

- 1.1 Where there is any conflict between the documents that make up this Agreement the conflict will be resolved in accordance with the following order of precedence:
- (a) the Offer Letter;
 - (b) these Conditions;
 - (c) the remaining Schedules to this Agreement with the exception of Schedule 2 Part 2 (the Application);
 - (d) Schedule 2 Part 2 (the Application); and
 - (e) any other documents incorporated by reference in, or developed in accordance with, this Agreement.

2. DURATION AND OBLIGATIONS OF THE PARTIES

- 2.1 The Agreement will subsist for the duration of the Project Period unless extended by agreement or terminated earlier in accordance with its terms. Any provision of the Agreement that expressly or by implication is intended to come into or continue in force on or after termination or expiry of the Agreement shall remain in full force and effect.
- 2.2 You shall manage and complete the Project in accordance with the specification as set out in Schedule 2 Part 1 and shall allocate sufficient resources to the Project to enable you to comply with this obligation.
- 2.3 ARIA may request changes to the Project Activities (including changing the Approved Cost and/or the scope of the Project Activities) by providing at least 30 days written notice to you of such changes and the rationale. ARIA will agree with you the terms of any variation to the Agreement requested by ARIA to implement such changes subject to clause 26 with your agreement to the variation not to be unreasonably withheld, delayed or conditioned.
- 2.4 You shall use reasonable endeavours to meet any performance dates specified in Schedule 2 Part 1 or elsewhere in the Agreement and the obligations of this clause 2.
- 2.5 You shall:
- (a) reasonably co-operate with ARIA in all matters relating to the Project; and
 - (b) promptly inform ARIA of the absence of the Contractor's Representative and/or Key Staff and you must provide a suitably qualified replacement approved by ARIA (such approval not to be unreasonably withheld or delayed);
 - (c) observe, and ensure that all member of your Staff observe, all rules and regulations and any other reasonable requirements of ARIA that ARIA has provided to you; this shall include and not be limited to ensuring that the Approved Cost shall be utilised in accordance with the Project cost breakdown (referred to in Schedule 2) covering all Project materials, equipment and any applicable Sub-Contractor costs;
 - (d) notify ARIA as soon as you become aware of any issues which arise in relation to the Project; and

- (e) before the Commencement Date obtain, and at all times maintain, all necessary licences and consents and comply with all relevant legislation in relation to your obligations under the Agreement.

3. ENVIRONMENTAL REQUIREMENTS

- 3.1 In performing the Project, you shall meet the requirements of all applicable Laws regarding the environment and safety, including laboratory safety requirements, in all material respects.

4. ACCOUNTING AND PAYMENTS

- 4.1 The total amount to be paid by ARIA to you shall not exceed the Approved Cost. Invoices raised by you for Milestone Payments shall be paid by ARIA in accordance with the Agreement (including Schedule 2).
- 4.2 Payments to third parties including Sub-Contractors shall remain your responsibility and you shall ensure that such payments are made promptly within 30 days from the receipt of a valid invoice.
- 4.3 ARIA may suspend payment at any time if (i) in the view of ARIA, acting reasonably, satisfactory progress on the Project has not been maintained (but suspension shall be limited to the affected portions of the activities), or (ii) reports have not been submitted as required under Clause 7. In the event that ARIA suspends payment under (i), you may suspend performance of the Project Activities (and ARIA's corresponding payment obligations shall also suspend) until the parties have agreed, acting in a good faith, a course of action to progress the Project Activities, in which case you shall reinstate your performance of the Project Activities and ARIA shall resume payment (including, as agreed, in respect of any missed payments) in accordance with the provisions of this Agreement. If the parties are unable to agree a course of action and/or ARIA's payment suspension lasts for two (2) months, this Agreement shall automatically terminate.
- 4.4 On completion of the Project Period, the final payment in respect of costs properly incurred under the Agreement will be paid by ARIA to you within 30 (thirty) days, provided that:
 - (a) the Project has been completed in accordance with the Agreement;
 - (b) the reports required under clause 7 have been submitted by you; and
 - (c) an agreement has been reached in respect of any items remaining for disposal.
- 4.5 If at any time an overpayment has been made to you for any reason whatsoever, the amount of such overpayment shall be taken into account in the assessing of any further payments or shall be recoverable from you at ARIA's discretion.
- 4.6 You shall keep and maintain until seven years after this Agreement has been completed, or as long a period as may be agreed between the Parties, full and accurate records of the Project including:
 - (a) all aspects of the Project;
 - (b) all expenditure reimbursed by ARIA; and
 - (c) all payments made by ARIA;

and you shall on request afford ARIA or ARIA's representatives such access to those records as may be required in connection with the Agreement.

4.7 You shall make any payments due to ARIA without any deduction whether by way of set-off, counterclaim, discount, abatement or otherwise, unless you have a valid court order requiring an amount equal to such deduction to be paid by ARIA to you.

4.8 If any sum of money shall be due from you to ARIA or any other government department, the same may be deducted from any sum due now or in future to you under this Agreement or any other agreement with ARIA or with any other Crown Body.

5. NOT USED

6. PROJECT REVIEW

6.1 ARIA will review the Project at the intervals specified in Schedule 2 Part 1. The review will take into account your carrying out of the Project Activities against the Milestones. As part of the ARIA review process, ARIA will review the reports produced by you in accordance with clause 7.

6.2 Following the review carried out under clause 6.1, ARIA may choose to do any of the following, taking into account any representations made by you in the course of the review:

- (a) consent to the Services and the Project continuing in line with existing plans;
- (b) increase or decrease the Approved Cost for the remainder of the Project Period, as applicable;
- (c) redefine the Milestones;
- (d) require you to carry out remedial activity with the aim of improving delivery of the Services; and/or
- (e) terminate the Agreement in accordance with clause 22.

6.3 Any change to these Agreement terms, Project Activities, or Approved Cost pursuant to clause 6.2(a), 6.2(c) or 6.2(d) will be recorded in a written variation to the Agreement in accordance with clause 26.

7. MONITORING AND REPORTING

7.1 NOT USED

7.2 ARIA will require details of all Results and all material Foreground IP, so you must allow ARIA personnel to visit your premises at a reasonable frequency and at dates and times agreed with you to liaise with your applicable researchers for the purpose of identifying Foreground IP, evaluating Milestones and assessing progress with the Project against the specifications detailed in Schedule 2 Part 1. ARIA will treat the Results and Foreground IP, and other information it learns from such visits, as your Confidential Information under clause 11.

7.3 You must provide ARIA with:

- (a) the Milestones and a report on your performance against them at the intervals and for the periods of time specified in Schedule 2 Part 1 and otherwise in compliance with the request of ARIA's Representative and shall detail all Data, methods, Results and

provisional conclusions together with management information and any other information relating to the Project;

- (b) verbal or written reports and ad hoc meetings or discussions as reasonably required by ARIA on any aspect of the Project; and.
- (c) a quarterly report on your use of the Approved Costs, with details broken down in accordance with ARIA's prescribed form.

7.4 ARIA is built for long-term impact and needs to be kept informed of the impact of its Project activities and compliance with the terms of the Agreement. ARIA will therefore have the right to make reasonable requests for information from you from time to time after the end of the Project about any commercial exploitation or other dissemination of the Results and how this has benefited the United Kingdom. You must respond and provide the information requested within one month (unless ARIA specifies otherwise). If requested, ARIA will treat the information provided as your Confidential Information under clause 11. Nothing in this Agreement will be deemed to limit ARIA's ability to use, share or publish such information as part of aggregated and anonymised reporting. This clause 7.4 shall survive termination or expiry of this Agreement.

8. AUDITING AND ASSURANCE

8.1 You must provide supporting evidence as ARIA may reasonably require to prove that you have used the Approved Costs to carry out the Project and provide the Services in accordance with Schedule 2. The supporting evidence shall clearly identify all Project and associated overhead costs. You shall maintain proper financial records relating to the Project at all times during the Project Period and for a period of seven years after the end of the Project Period.

8.2 Subject to clause 11, ARIA and/or its authorised representative or any statutory or regulatory auditors may, at any time during the Project Period and for up to 7 years after the end of the Project Period, conduct audits in relation to your financial records for the Project and your compliance with this Agreement. You must act reasonably in cooperating with any such audit, including by granting access to relevant documentation, premises and personnel.

9. FINANCIAL MANAGEMENT

9.1 You must:

- (a) maintain a sound administration and audit process, including internal financial controls, to safeguard against fraud and theft, money laundering, terrorist financing or any other impropriety, or mismanagement in connection with the administration of the Project; and
- (b) notify ARIA of any actual or suspected cases of fraud, theft or financial irregularity relating to the Project as soon as they are identified, and keep ARIA informed of your remedial actions.

9.2 In the event of any actual or suspected fraud, theft or other financial irregularity ARIA may, at its absolute discretion:

- (a) require you to take any remedial steps that ARIA may reasonably specify; and/or

(b) suspend the Project and future Milestone Payments to you,

and in all cases you must explain to ARIA what steps are being taken to investigate the fraud, theft or irregularity (as applicable) and must keep ARIA informed about the progress of any such investigation. You must, if required by ARIA, refer the matter to an external auditor or any other relevant Third Party.

10. CONFLICTS OF INTEREST

- 10.1 You must inform ARIA promptly of any actual, perceived or potential conflict of interest between your and your Representatives obligations under the Agreement and your and their personal, business or professional interests. You must have adequate procedures to manage and monitor any actual or potential conflicts of interest, whether identified in the application process or notified to ARIA during the Project Period.
- 10.2 If ARIA is not satisfied that you are adequately managing any actual or potential conflicts of interest, or that they are not capable of such management, the parties will discuss the issues raised and try to agree a resolution. If this is not possible, ARIA may request you to cease the conflicting activity and if that is not acceptable to you, either party may terminate this Agreement on at least 30 days' notice in writing.

11. CONFIDENTIALITY

- 11.1 Except to the extent set out in this clause 11 or where disclosure is expressly permitted by the other party, each party must treat all Confidential Information belonging to or disclosed by the other party as confidential and will not disclose any such Confidential Information to any other person without the prior written consent of the other party, except to any persons who are directly involved in the Project, who need to know the information and who are subject to binding obligations of confidentiality to the disclosing party.
- 11.2 ARIA may publish a summary of this Agreement in any medium (having redacted both parties' Confidential Information), including a summary of any changes to the Agreement agreed from time to time. Additionally, ARIA may publish a copy of the Milestones (in whole or in part) in any medium (provided that, where such Milestones contain or constitute your Confidential Information, ARIA has given you a reasonable opportunity to make representations in respect of any redactions or amendments you wish to be applied). For the avoidance of doubt, ARIA's publication rights under this clause 11.2 are exercisable at ARIA's sole discretion.
- 11.3 Nothing in this clause 11 will prevent either party disclosing any Confidential Information of the other party:
- (a) for the purpose of the examination and certification of its accounts and/or pursuant to section 6(1) of the National Audit Act 1983;
 - (b) to any government department, consultant, contractor or other person engaged by that party, provided that such party only discloses information that is necessary for the purpose concerned and obtains appropriate confidentiality undertakings in relation to such information;
 - (c) where disclosure is required by Law, including under the Information Acts to the extent they apply to that party and to the extent that no exception to disclosure under them is applicable; or

- (d) where ARIA (acting reasonably) considers disclosure necessary or appropriate for the carrying out of its public functions.

11.4 Nothing in this clause 11 will prevent either party from using any techniques, ideas or know-how gained during the performance of its obligations under this Agreement in the course of its normal business or activities, to the extent that this does not result in a disclosure of the other party's Confidential Information or an infringement of the other party's Intellectual Property Rights.

12. STATUTORY DUTIES

12.1 Each party must comply with its obligations under the Law, including where applicable, the Information Acts, the EA and the HRA and you shall notify ARIA immediately of any investigation of or proceedings against you under the EA.

12.2 You acknowledge that ARIA is subject to requirements under the Information Acts (other than the FOIA) and you will provide reasonable assistance and cooperation to ARIA to assist ARIA's compliance with its information disclosure obligations.

12.3 You acknowledge that ARIA, acting in accordance with the codes of practice issued and revised from time to time under the Information Acts (other than the FOIA), may disclose information concerning you and this Agreement without consulting you. ARIA must notify you of any request for information to the extent that it is permissible and reasonably practical for it to do so and will give you adequate opportunity to make representations to ARIA before it discloses any information relating to such matters. ARIA will be responsible for determining in its absolute discretion whether any information is exempt from disclosure in accordance with the Information Acts.

12.4 Where you are subject to the Information Acts and receive a request for disclosure that relates to ARIA or this Agreement you will notify ARIA and give ARIA adequate opportunity to make representations to you before you disclose any information relating to such matters.

12.5 You must take account of the requirements of the National Security and Investment Act 2021 before assigning or licensing Results or Foreground IP. You are encouraged to give a voluntary notice to the Secretary of State under the Act in advance of any such assignment or licence if the assignment or licence is likely to meet the requirements of section 18 of the Act and inform ARIA if any mandatory or voluntary notification is made.

12.6 You must take account of the account of the Secure Innovation and Trusted Research Guidance. You must also consider any risks to the physical safety and security of the public and implement any appropriate mitigations and measures where the Project Activities you carry out have the potential to interact with the public.

13. DATA PROTECTION

13.1 Each party must comply at all times with its obligations under the Data Protection Legislation. At ARIA's request you must provide ARIA with all relevant documents and information relating to your data protection policies and procedures that ARIA may reasonably request.

- 13.2 The parties do not envisage that either party will process any Personal Data for or on behalf of the other party under or in connection with this Agreement. Where either party anticipates that the other will process any Personal Data on its behalf under this Agreement it must notify the other party and the parties must agree a variation to this Agreement to incorporate appropriate provisions (such as those set out in Schedule 3) in accordance with, or as otherwise required by, the Data Protection Legislation.

14. NOT USED

15. INTELLECTUAL PROPERTY RIGHTS

- 15.1 You must act in good faith and comply with the spirit of clauses 15 and 16 and not seek to avoid their application by artificial means.

Background IP

- 15.2 This Agreement does not affect the ownership of your Background IP. You must notify ARIA during the Term if any additional Background IP is required either to carry out the Project Activities or to exploit commercially any of the Results.

Foreground IP ownership and licensing

- 15.3 Subject to Clauses 15.4 and 16.2, the Foreground IP shall belong to you and:
- (a) you hereby grant to ARIA a royalty-free non-exclusive licence to use the Foreground IP for internal non-commercial purposes in ARIA's programmes; and
 - (b) you will cooperate with ARIA to facilitate collaborations and future licensing arrangements with Third Parties, including by participating in confidential discussions with ARIA and other Third Parties participating in ARIA's programme, in order to develop and commercialise the Foreground IP, subject to an appropriate agreement being in place with the Third Party. The foregoing shall not require you to enter into any agreement with, or license the Foreground IP to, any Third Party.
- 15.4 Where you assign or grant an exclusive or sole license the Foreground IP to a Third Party, you must impose on that Third Party all of the obligations set out in clause 15 and 16.
- 15.5 You must submit all (i) all patents within or covering the Foreground IP and (ii) data generated from any activities or experiments identified in the Project Activities to the Future Proofing our Climate and Weather Intellectual Property Pledge promptly following creation or filing (as applicable) of such patents and/or data (unless otherwise agreed in writing with, or instructed by, ARIA). For clarity, your rights to use and commercialise Foreground IP set out in clauses 15 and 16 are subject to the terms of the Future Proofing our Climate and Weather Intellectual Property Pledge. You hereby agree to comply and uphold the terms of the Future Proofing our Climate and Weather Intellectual Property Pledge.

Attribution to ARIA

- 15.6 You must ensure that whenever any Results are used with or communicated to Third Parties or are exploited commercially, ARIA's funding of the Project is suitably accredited in accordance with ARIA's accreditation guidelines in force at the time. When using ARIA's name and logo you will comply with ARIA's branding guidelines in force at the time.

Patenting and Publication

- 15.7 You must ensure that all Foreground IP is protected and managed in a professional manner, which may include patenting of any Results that are patentable.
- 15.8 You must notify ARIA where practicable at least 30 days (and in any event at least 48 hours) before publication of any Results by any person. This is intended to give ARIA the opportunity to discuss with you the possibility of filing a patent application before publication, and if appropriate assisting you with that process.
- 15.9 You must give ARIA as much notice as possible, but no less than 30 days' notice, of any decision to abandon or withdraw patent protection for any of the Results for the lifetime of the relevant patents or such shorter period as is agreed with ARIA so that ARIA can consider whether it wishes to request the assignment of the patents to ARIA or its nominee.

16. COMMERCIALISATION OF FOREGROUND IP AND RESULTS

- 16.1 Save for Results that are subject to the terms of the Future Proofing our Climate and Weather Intellectual Property Pledge, where they are capable of exploitation you should use all reasonable endeavours to exploit the Results. This should be done in accordance with the Commercialisation Hypothesis.
- 16.2 Save for Results that are subject to the terms of the Future Proofing our Climate and Weather Intellectual Property Pledge, if for any reason you choose not to exploit any such Results within a reasonable timeframe (or, where applicable, the timeframe set out in the Commercialisation Hypothesis) you are encouraged to discuss the position with ARIA, and you may request that ARIA exploit them or assist you with their exploitation. In this case ARIA may request that you assign the relevant Foreground IP to it or its nominee. Any assignment would include a licence back to the relevant Foreground IP for research purposes.

Non-UK Commercialisation

- 16.3 A royalty of 0.25% of your Net Sales which use or incorporate Foreground IP shall be payable to ARIA if you are incorporated outside of the United Kingdom (the "**ARIA Non-UK Fee**"). For the avoidance of doubt, the ARIA Non-UK Fee shall be calculated solely in respect of the share of the Net Sales which corresponds to the value resulting directly from the Foreground IP.
- 16.4 The ARIA Non-UK Fee shall be payable within 90 days following the end of each relevant calendar year, for a period of ten (10) years from the First Sale Date, up to an aggregate total equal to 20 times the Approved Cost.
- 16.5 In the event that:
- (a) there is a change of control of the Foreground IP, such that you assign or grant an exclusive licence to the Foreground IP to another person; or

- (b) you extend rights to the Foreground IP within your Group, such that you grant another entity within your Group a licence to the Foreground IP,

then,
- (c) you must notify ARIA immediately; and
- (d) include clauses 16.3 to 16.5 in the relevant instrument and ensure that it expressly provides that the provisions are intended to be enforceable by ARIA by virtue of the Contracts (Rights of Third Parties) Act 1999 (or any equivalent in any jurisdiction) and take any other step required to ensure that the ARIA Non-UK Fee is payable by the transferee or licensee (as applicable).

16.6 For the avoidance of doubt, in respect of:

- (a) clause 16.5(a), provided that you have complied with clause 16.5(d), your obligation to pay the ARIA Non-UK Fee shall cease and pass to the transferee or licensee (until, in the case of an exclusive licence, the termination or expiry of such licence); and
- (b) clause 16.5(d) the transferee or licensee shall only be liable to pay the ARIA Non-UK Fee to ARIA for the remainder of the aggregated total amount and the ten (10) year period specified in clause 16.4 prorated from the date of the relevant instrument.

Assignment of IP

16.7 You must, on written request by ARIA, promptly assign any Foreground IP to ARIA (or to a Third Party nominated by ARIA) if you do not:

- (a) undertake further research and development work in respect of that Foreground IP; or
- (b) commercially exploit (and you are not using reasonable endeavours to commercially exploit) that Foreground IP,

within eight years of its creation, and each party shall bear its own costs in relation to any such assignment.

Pricing for Crown Body customers

16.8 You must ensure that any Crown Body is able to procure, in a reasonable timeframe and in suitable quantities for its requirements, any products and services that are covered by, use or incorporate the relevant Foreground IP:

- (a) at the Crown Discount price until the total Crown Discount given to all Crown Bodies equals two times the Approved Cost; and
- (b) thereafter at the Most Favoured Nation Price; and

you must provide details of the yearly amount of Crown Discount being provided to ARIA within 90 days after the end of each calendar year. You must use reasonable endeavours to reach the total set out in clause 16.9(a) within 10 years after the first sale to a Crown Body.

17. ASSETS

17.1 You must take all practical steps to purchase all materials and equipment at a fair and reasonable price and provide invoices issued to you for assets purchased in connection with the Project as part of the Approved Cost.

17.2 At the end of the Project Period all equipment purchased for use on the Project with funds provided by ARIA shall remain your property.

18. INSURANCE

18.1 You must maintain Adequate Insurance (including public liability insurance) either as a self-insurance arrangement or with an insurer of good repute to cover all insurable claims and liabilities under or in connection with the Agreement. You must provide evidence of that insurance to ARIA on request.

19. ASSIGNMENT AND SUB-CONTRACTING

19.1 You may not, transfer, assign, novate or otherwise dispose of the whole or any part of the Agreement or any rights under it, to another organisation or individual, without ARIA's prior written consent.

19.2 You may only subcontract any of the Services or Project Activities except to the extent permitted, and to the Sub-Contractors identified, in Schedule 2, Part 1. You must seek ARIA's prior consent to appoint any new Sub-Contractors not identified in Schedule 2 Part 1. You shall (i) be responsible for the acts and omissions of any Sub-Contractors as though they were your own, and (ii) enter into a written agreement with each Sub-Contractor on terms that are at least as protective of ARIA's rights and interests as the terms of this Agreement and which contains all other provisions as are necessary to ensure that the Sub-Contractor complies with your obligations under this Agreement.

20. NOT USED

21. PUBLICITY

21.1 The parties will agree the text of a press release or other announcement to publicise the award of the Project and all such publicity must comply with ARIA's accreditation and branding guidelines. Neither party may make any other press release or announcement about the Project or publicise details of the Agreement without the other's consent, except as required by Law.

21.2 You must comply with all reasonable requests from ARIA to facilitate visits and provide reports, statistics, photographs (with consent of your personnel if required) and case studies that will assist ARIA in its promotional and impact assessment activities relating to the Project Activities.

22. EVENTS OF DEFAULT AND TERMINATION

Events of Default

22.1 ARIA may exercise its rights set out in clause 22.2 if any of the following events (**Events of Default**) occur:

- (a) you fail to comply with any of your obligations under clauses 2.2, 7.2, 9.1, 11, 12, 13 or 25, or commit a material breach of any other term of this Agreement in the reasonable opinion of ARIA;

- (b) you do not commence the Project Activities within 30 days after the Commencement Date unless an extension is agreed with ARIA;
- (c) you fail to improve the performance of the Project Activities, notwithstanding your having undertaken the remedial activity agreed with ARIA under clause 6.2;
- (d) you provide ARIA with any materially misleading or inaccurate information in the specification for the Project as detailed in Schedule 2 or in subsequent related correspondence;
- (e) you commit a Prohibited Act or fail to report a Prohibited Act to ARIA, whether committed by you or a Sub-Contractor, immediately upon becoming aware of it;
- (f) you are subject to an Insolvency Event;
- (g) you undergo a Change of Control which will, in the reasonable opinion of ARIA:
 - (i) be materially detrimental to, or result in fundamental changes to, the Project;
 - (ii) result in your being unable to undertake the Project; and/or
 - (iii) raise national security concerns.

Rights reserved for ARIA in relation to an Event of Default

- 22.2 If an Event of Default has or may have occurred, ARIA may by written notice to you take any one or more of the following actions:
- (a) suspend the Project and the payment of the whole or any part of Milestone Payments for such period as ARIA may determine, acting reasonably;
 - (b) reduce the Approved Cost, in which case the Milestone Payments will thereafter be made in accordance with the reduction and notified to you; and/or
 - (c) subject to clause 22.4, terminate this Agreement with immediate effect as from the date of service of the notice of that termination.
- 22.3 Where this Agreement is terminated for an Event of Default that is or includes a Prohibited Act, ARIA may require you to repay the entire amount of the Milestone Payments previously paid to you.

Opportunity for you to remedy an Event of Default

- 22.4 If ARIA wishes to exercise any right under clause 22.2 in connection with an Event of Default which is capable of remedy:
- (a) ARIA will provide reasonable notice to you specifying particulars of the Event of Default, how it must be remedied and the timescales for its remedy; and
 - (b) following receipt of a notification under clause 22.4(a), you will be given a reasonable opportunity to remedy the Event of Default before ARIA exercises the relevant right under clause 22.2.
- 22.5 Without prejudice to any other provision of the Agreement, you may terminate the Agreement on written notice to ARIA if ARIA commits a material breach of the Agreement which is either not capable of being remedied or, if the breach is capable of being remedied, ARIA fails to remedy such breach within 30 (thirty) days of receiving written notice requiring it to do so. Notwithstanding anything to the contrary in the Agreement, termination of the Agreement under this Clause 22.5 also results in the automatic termination of the licence granted to ARIA under Clause 15.3(a).

General Termination Rights

- 22.6 Without prejudice to any other provision of the Agreement, either party may terminate the Agreement at any time by giving at least 60 days' prior written notice to the other party.
- 22.7 Pursuant to clause 2.5, if ARIA is unwilling to accept a nominated successor(s) to Key Staff on it may terminate the Agreement by at least 30 days' written notice to you.

Consequences of Termination

- 22.8 Termination of this Agreement, however caused, shall not:
- (a) release either party from any duty or obligation of confidence which falls on such party or its servants, agents, employees or former employees under this Agreement or under the general law governing confidential information;
 - (b) prejudice or affect any rights, action or remedy which shall have accrued before termination or shall accrue thereafter to any party; or
 - (c) affect the continuing obligations of the parties under this Agreement.
- 22.9 If the Agreement is terminated you must return any Unspent Monies to ARIA within 30 days after the date of the termination notice, save where ARIA gives written consent to their retention.
- 22.10 Where ARIA terminates the Agreement in accordance with clause 22.6, ARIA will be liable to pay any Unavoidable Costs subject to:
- (a) you taking all reasonable steps to mitigate such loss; and
 - (b) the Unavoidable Costs being:
 - (i) proven, reasonable, and not capable of avoidance or recovery;
 - (ii) incurred under arrangements or agreements that are directly associated with this Agreement;
 - (iii) supported by full particulars, including a fully itemised and costed list of such costs, with supporting evidence and copies of any relevant Sub-Contracts, and such information has been provided to the reasonable satisfaction of ARIA; and
 - (iv) costs not relating to Sub-Contracts with an entity which directly or indirectly controls you, is controlled by you, or is under direct or indirect common control with you.
 - (v) costs that would not have been incurred had this Agreement continued until the end of the Funding Period as set out in the Grant Funding Letter (or, if it has been extended, the expiry of such additional period);
- 22.11 You shall ensure that any Sub-Contract, or the part of the Sub-Contract which relates to the Services, over £250,000 will terminate automatically and immediately upon termination of this Agreement.
- 22.12 If requested by ARIA from time-to-time, you must (acting in good faith) provide ARIA with a reasonable estimate of the Unavoidable Costs which would be payable under this Agreement in

the event that the Agreement was terminated (calculated on the basis described in clause 22.10).

22.13 ARIA's total liability under clause 22.10 shall be limited to the Maximum Approved Cost under the Agreement (or relevant part), including any sums paid, due or becoming due to you at the date of termination.

22.14 If the Agreement is terminated or expires ARIA will not be liable to pay any of your costs (or those of any of your contractors or suppliers) related to any transfer or termination of employment of any employees engaged in the provision of the Project Activities, unless they have been hired for the purpose of the Project Activities, are specified personnel in the Offer Letter, and are normal statutory or contractual requirements. You must at ARIA's request promptly prepare a written exit plan to provide for the cessation or seamless transfer to a Third Party of the Project Activities following expiry or termination of the Agreement.

23. DISPUTE RESOLUTION

23.1 The parties must use all reasonable endeavours to resolve in good faith any dispute that arises during the term of the Agreement.

23.2 All disputes and complaints must be referred in the first instance to the ARIA Representative and the Contractor's Representative.

23.3 If the dispute cannot be resolved between the ARIA Representative and the Project Representative within a maximum of 15 Working Days, then the matter will be escalated to senior officers of the parties for resolution.

23.4 If within a further 10 Working Days after such meeting the dispute has not been resolved, the dispute may be referred, by either party, to mediation. The parties shall agree the mediator within 10 Working Days. The fee for the appointed mediator shall be shared equally between the parties.

23.5 Nothing in this Clause 23 shall preclude either party from commencing proceedings.

24. LIMITATION OF LIABILITY

24.1 Neither party's liability for any of the following shall be subject to the limitations or exclusions of liability otherwise provided for in this clause:

- (a) fraudulent misrepresentation or any other fraudulent act or omission;
- (b) payment of sums properly due and owing to the other in the normal course of performance of this Agreement;
- (c) a breach of clause 13;
- (d) liability arising under any indemnity in this Agreement; or
- (e) liability which may not lawfully be excluded or limited.

24.2 Subject to clause 24.1, ARIA accepts no liability for any consequences or Losses (except, for clarity, as set out in this Agreement or for ARIA's breach of this Agreement), whether arising directly or indirectly, that may arise in connection with:

- (a) your carrying out the Project Activities;
- (b) any reduction, suspension, withdrawal or request for repayment of the Approved Cost in accordance with this Agreement; or
- (c) termination of the Agreement in accordance with this Agreement.

- 24.3 Subject to clause 24.1, neither party will be liable to the other party, whether for breach of contract, tort (including negligence) or otherwise, for:
- (a) loss of profit, sales or turnover;
 - (b) loss of contracts or business opportunities;
 - (c) loss of anticipated savings;
 - (d) loss of goodwill or damage to reputation; or
 - (e) any indirect, special or consequential loss or damage;
- in each case arising out of or relating to this Agreement, whether or not such loss or damage was foreseeable or the other party was advised of its possibility.
- 24.4 Subject to clause 24.1, each party's total aggregate liability arising out of or relating to this Agreement or its subject matter or anything which it has done or not done in connection with this Agreement or its subject matter (whether for breach of contract, tort, including negligence, or otherwise), will not exceed the Approved Cost.
- 24.5 You shall indemnify and defend ARIA against all Losses (including but not limited to any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and reasonable legal costs (calculated on a full indemnity basis) and all other reasonable professional costs and expenses) suffered or incurred by ARIA arising out of or in connection with:
- (a) any claim brought against ARIA for actual or alleged infringement of a Third Party's intellectual property rights arising out of, or in connection with, the receipt, use or supply of the Services; and
 - (b) any claim made against ARIA by a Third Party arising out of, or in connection with, the supply of the Services,
- provided that the foregoing shall not apply to the extent that a claim arises as a result of ARIA's negligence or breach of this Agreement.
- 24.6 If ARIA receives a claim which falls within the scope of the indemnity at clause 24.5 (**Claim**), ARIA shall:
- (a) notify you without unreasonable delay in writing of the Claim;
 - (b) allow you, at your own cost, to conduct all negotiations and proceedings and to settle the Claim, always provided that you shall obtain ARIA's prior approval of any settlement terms, such approval not to be unreasonably withheld;
 - (c) provide you with such reasonable assistance regarding the Claim as is required by you, subject to reimbursement by you of ARIA's costs so incurred; and
 - (d) not, without prior consultation with you, make any admission relating to the Claim or attempt to settle it, provided that you consider and defend the Claim diligently, using competent counsel and in such a way so as not to bring the reputation of ARIA into disrepute.
- 24.7 You shall under no circumstances in connection with this Agreement be entitled to recover damages, or obtain payment, reimbursement, restitution or indemnity more than once in respect of the same loss, shortfall, damage, deficiency, breach or other event or circumstance.

24.8 ARIA shall be entitled to set off any of your outstanding liabilities against any amounts that are payable by it pursuant to this Agreement.

25. RESEARCH ETHICS AND INTEGRITY

25.1 Not Used

25.2 All research data:

- (a) must be generated using sound scientific techniques and processes;
- (b) must be accurately recorded in accordance with good scientific practices by the people conducting the research; and
- (c) must be analysed appropriately, without bias and in accordance with good scientific practices.

25.3 The Results must be stored securely and be easily retrievable with document trails that allow reconstruction of key decisions and conclusions of the Project.

25.4 You must comply with the Code of Conduct and ensure that your Staff undertake their duties in a manner consistent with the principles set out in the Code of Conduct. You must immediately notify ARIA if you become aware of any actual or suspected breaches of the principles contained in the Code of Conduct.

26. VARIATIONS

26.1 Any variation to this Agreement will only be valid if it is agreed in writing and signed by an authorised representative of each party.

26.2 You may request a variation to the Agreement or the Project at any time giving full details of the justification of the request and ARIA may agree to vary the Agreement or refuse the request and require the continuation of the Project in accordance with the Agreement.

27. GENERAL

27.1 **Force majeure:** Neither party shall be in breach of this Agreement nor liable for delay in performing, or failure to perform, any obligations under this Agreement to the extent such delay or failure result from events, circumstances or causes beyond its reasonable control. In such circumstances the affected party shall be entitled to a reasonable extension of the time for performing such obligations. If the period of delay or non-performance continues for 3 months, the party not affected may terminate this agreement by giving 30 days' written notice to the affected party.

27.2 **Notices:** All notices and other communications in relation to this Agreement must be in writing and will be deemed to have been duly given if personally delivered, e-mailed, or mailed (first class postage prepaid) to the address of the relevant party as stated in clause 2.1 of the Offer Letter. If personally delivered or if e-mailed all such communications will be deemed to have been given when received (except that if received on a non-working day or after 5.00 pm on any Working Day they will be deemed received on the next Working Day) and if mailed all

such communications will be deemed to have been given and received on the third Working Day following such mailing.

- 27.3 **Change of control:** You must notify ARIA as soon as practicable in writing of any arrangements that are in progress or in contemplation that if completed will result in a Change of Control, and must provide to ARIA sufficient details about the circumstances surrounding the proposed Change of Control and the identity of the proposed acquiror to allow ARIA to assess whether clause 22.1(g) is likely to apply.
- 27.4 **Severability:** If any provision of this Agreement is held invalid, illegal or unenforceable for any reason by any court of competent jurisdiction, such provision shall be severed and the remainder of the provisions shall continue in full force and effect as if this Agreement had been executed with the invalid provisions eliminated.
- 27.5 **Waiver:** The waiver by either party of any right or remedy in respect of any breach of any term or condition or requirement of this Agreement shall not prevent the subsequent enforcement and shall not be deemed to be a waiver of any right or remedy in respect of any subsequent breach.
- 27.6 **Relationships:** Nothing in this Agreement shall be construed as to make any party the employee, agent, partner or legal representative of the other party for any purpose whatsoever. No party is granted any right to assume or create any obligation or responsibility, expressed or implied, on behalf of or in the name of the other party. In fulfilling obligations pursuant to this Agreement, you will be acting as an independent contractor at arm's length from ARIA.
- 27.7 **Contracts (Rights of Third Parties) Act 1999:** A person who is not a party to this Agreement shall have no right to enforce any terms of it which confer a benefit on him.

28. GOVERNING LAW

This Agreement (including any non-contractual disputes or claims arising in connection with this Agreement) will be governed by and construed in accordance with the laws of England and Wales and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

29. NOT USED

30. DEFINITIONS AND INTERPRETATION

- 30.1 As used in this Agreement the following terms and expressions shall have the meaning ascribed to them below:

Adequate Insurance means the insurance requirements and amounts set out in the Offer Letter;

Approved Cost means the total cost agreed between the parties for the Project as set out in Offer Letter, inclusive of VAT or other sales tax;

ARIA's Representative means the individual who has been nominated by ARIA to be your day-to-day point of contact in relation to the Project as set out in clause 2.1 of the Offer Letter;

Background IP means IP that is:

- (a) owned by or licensed to a party prior to the Commencement Date; or

(b) developed by or on behalf of a party during the Project Period but not in connection with the Project Activities,

and is in either case used in connection with the Project;

Bribery Act means the Bribery Act 2010 and any subordinate legislation made under that Act from time to time together with any guidance or codes of practice issued by the relevant government department concerning this legislation;

Change of Control means the sale of all or substantially all your assets; any merger, consolidation or acquisition of you with, by or into another person, or any change in the ownership of more than fifty percent (50%) of your voting capital in one or more related transactions;

Code of Conduct means the Code of Conduct for Suppliers published by the Cabinet Office in November 2018 which is available (at the Commencement Date) at https://assets.publishing.service.gov.uk/media/648c3ab5b32b9e000ca968c3/Supplier_Code_of_Conduct_v3.pdf, including any subsequent updates from time to time;

Commencement Date means the date set out in the Offer Letter;

Commercialisation Hypothesis means the exploitation plan set out in Schedule 2 Part 2, as may be amended by agreement between the parties during and after the Project Period;

Completion Date means the date set out in the Offer Letter;

Confidential Information means any information (however conveyed, recorded or preserved) disclosed by or on behalf of a party to the other party, whether before or after the date of the Agreement, that ought reasonably to be considered to be confidential (whether or not it is so marked),

(a) including: (i) information relating to the business, affairs, customers, clients, suppliers or plans of the disclosing party; (ii) the operations, processes, product information, know-how, designs, trade secrets or software of the disclosing party; (iii) any information developed by the parties in the course of carrying out the Project Activities; (iv) Personal Data supplied by either party to the other for the purposes of, or in connection with, the Agreement; and (v) and any information derived from any of the above,

(b) but not including information which: (i) was public knowledge at the time of disclosure (otherwise than by breach of clause 11); (ii) was in the possession of the receiving party, without restriction as to its disclosure, before receiving it from the disclosing party; (iii) is received from a Third Party (who lawfully acquired it) without restriction as to its disclosure; or (iv) is independently developed without access to the Confidential Information; and (v) the content of this specific version of the Agreement, save in respect of any information which is exempt from disclosure under the Information Acts as they apply to the relevant party;

Contractor's Representative means a person authorised to represent you in respect of this Agreement and who shall have the authority to bind you in all matters under this Agreement as set out in clause 2.1 of the Offer Letter;

Crown or Crown Body means the government of the United Kingdom (including the Northern Ireland Assembly and Executive Committee, the Scottish Executive and the National Assembly for Wales), including, but not limited to, government ministers and government departments and particular bodies, persons, commissions or agencies from time to time carrying out functions on its behalf;

Crown Discount means the monetary value of the discount from the Most Favoured Nation Price given to a Crown Body;

Data means information collected and/or used for the purposes of the Project, which can be processed manually, electronically or by other means;

Data Protection Legislation means all applicable laws from time to time in force in England and Wales on data protection, including but not limited to, the Data Protection Act 2018, the retained EU law version of the GDPR and the Privacy and Electronic Communications (EC Directive) Regulations 2003, SI 2003/2426, and any national laws or regulations implementing Directive 2002/58/EC (as updated by

Directive 2009/136/EC) and any judicial or administrative interpretation of any of the above, and any guidance, guidelines, codes of practice, approved codes of conduct and approved certification mechanisms issued by any relevant supervisory authority as applicable;

EA means the Equality Act 2010 and any subordinate legislation made under that Act from time to time together with any guidance or codes of practice issued by the relevant government department concerning the legislation;

EIR means the Environmental Information Regulations 2004 or Environmental Information (Scotland) Regulations 2004;

Escalation Contact means the escalation contact appointed by ARIA or by you (as the case may be), which at the Commencement Date will be the individuals listed as such in the Offer Letter;

First Sale Date means the date on which you first bill an amount to a customer in respect of the sale of goods or services (or any other transaction) which use or incorporate Foreground IP;

FOIA means the Freedom of Information Act 2000 and the Freedom of Information (Scotland) Act 2002, any subordinate legislation made under those Acts from time to time together with any guidance or codes of practice issued by the relevant government department concerning the legislation;

Foreground IP means the Intellectual Property developed during and in connection with the Project;

Future Proofing our Climate and Weather Intellectual Property Pledge means [the pledging system for patents relating to approaches for actively cooling the earth operated by ARIA/a third party in the form at Annex A;

Gross Sales means total invoiced value of sales made during a specific period, including all amounts billed to customers such as from the sale of goods, services, licence income, royalty income, franchise fees, commissions, subscription fees, before any deductions;

Group in relation to a company, that company, any subsidiary or holding company from time to time of that company;

HRA means the Human Rights Act 1998 and any subordinate legislation made under that Act from time to time together with any guidance or codes of practice issued by the relevant government department concerning the legislation.

Information Acts means the Data Protection Legislation and the EIR, as amended from time to time;

Insolvency Event means:

(i) where you pass a resolution, or the court makes an order that you be wound up (otherwise than for the purpose of a bona fide and solvent reconstruction or amalgamation); or (ii) a receiver, manager or administrator on behalf of a creditor is appointed in respect of all or part of your business or assets; or (iii) circumstances arise which entitle a court or creditor to appoint a receiver, manager or administrator or which entitle the court (otherwise than for the purpose of a solvent and bona fide reconstruction or amalgamation) to make a winding up order; or (iv) you cease to trade or are unable to pay your debts within the meaning of the Insolvency Act 1986 or any similar event occurs under the law of any other jurisdiction;

Intellectual Property or IP means copyright, rights related to or affording protection similar to copyright, rights in databases, patents and rights in inventions, semi-conductor topography rights, trade marks, rights in internet domain names and website addresses and other rights in trade names, designs, know-how, trade secrets and any modifications, amendments, updates and new releases of the same and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world;

Key Staff means the persons named in Schedule 2 Part 1;

Law means any law, statute, bye-law, regulation, order, regulatory policy, guidance or industry code, judgement of a relevant court of law, or directives or requirements of any regulatory body, delegated or subordinate legislation.

Losses means all losses, liabilities, damages, costs, expenses (including legal fees), disbursements, costs of investigation, litigation, settlement, judgement, interest and penalties whether arising in contract, tort (including negligence), breach of statutory duty, misrepresentation or otherwise.

Milestones means the outputs of the Project Activities described in paragraph 3.2 of Schedule 2;

Milestone Payments means the payments made based on progress towards the Milestones as set out in Schedule 2 of this Agreement;

Most Favoured Nation Price means a price that is no higher than that offered to or agreed with any other customer for equivalent quantities of equivalent products or services;

Net Sales means Gross Sales after relevant accounting deductions, such as sales tax, packaging, insurance, carriage and freight, trade discounts and credits, returns and allowances, import taxes and similar applicable government levies;

Non-UK Entity means a legal entity that is not a UK Entity;

Personal Data has the meaning as defined in the Data Protection Act 2018 or successor legislation;

Prohibited Act means:

(a) directly or indirectly offering, giving or agreeing to give to any servant of ARIA or the Crown any gift or consideration of any kind as an inducement or reward for: (i) doing or not doing (or for having done or not having done) any act in relation to the obtaining or performance of the Services; and/or (ii) showing or not showing favour or disfavour to any person in relation to the Agreement; or

(b) committing any offence: (i) under the Bribery Act; (ii) under legislation creating offences in respect of fraudulent acts; and/or (iii) at common law in respect of fraudulent acts in relation to this Agreement; and/or defrauding or attempting to defraud or conspiring to defraud ARIA or the Crown;

Project means the Project Activities together with the Results;

Project Activities means the scope specified in Schedule 2 Part 1;

Project Period means the period commencing on the Commencement Date and ending on the Completion Date or such later date as may be agreed between the parties unless otherwise determined in accordance with the terms of the Agreement;

Project Review means the process for reviewing the Project outlined in clause 6;

Representative means any of the parties' duly authorised directors, employees, officers, agents, professional advisors and consultants;

Results means any Data, reports or information or other material generated by the Project;

Secure Innovation and Trusted Research Guidance means the best practice for the implementation of basic protective security measures guidance provided by NCSC and NPSA which can be found on ARIA's website;

Services means the services being provided by you to enable fulfilment of the Project;

Staff means your Representative and all employees, consultants agents and Sub-Contractors which you engage in relation to the Project;

Sub-Contract means any contract or agreement or proposed contract or agreement between you and any Third Party whereby that Third Party agrees to provide to you the Services or any part thereof or facilities or services necessary for the provision of the Services or any part thereof or necessary for the management, direction or control of the Services or any part thereof, and **Sub-Contractor** shall be construed accordingly;

Third Party means any person or organisation other than you or ARIA;

UK Entity means a legal entity that has or whose ultimate parent company has, its headquarters and principal establishment in the United Kingdom;

Unavoidable Costs means the amounts paid or payable by you to your Sub-Contractors or other third parties in respect of the termination of Sub-Contracts as a direct result of the early termination of this Agreement and which are not capable of recovery;

Unspent Monies means any monies paid to you which remain unspent at the end of the Project Period because of termination or breach of the Agreement. Unspent Monies do not include non-cancellable costs incurred prior to termination; and

Working Day means any day other than a Saturday, Sunday or public holiday in England and Wales.

30.2 The interpretation and construction of the Agreement shall be subject to the following provisions:

- (a) a reference to any Law includes a reference to that Law as amended, extended, consolidated or re-enacted from time to time;
- (b) references to a person include an individual, company, body corporate, corporation, unincorporated association, firm, partnership or other legal entity or Crown Body;
- (c) the headings to Clauses are for ease of reference only and shall not affect the interpretation or construction of the Clauses;
- (d) references to Clauses are references to Clauses in the part of the Agreement (i.e. the Offer Letter or particular Schedule or Annex as the case may be) in which they appear, unless otherwise stated;
- (e) a reference to any Law includes a reference to that Law as amended, extended, consolidated or re-enacted from time to time; and
- (f) the words "including", "other", "in particular", "for example" and similar words will not limit the generality of the preceding words and will be construed as if they were immediately followed by the words "without limitation".

SCHEDULE 2

PART 1 - PROJECT ACTIVITIES

1. Background

For the world to make evidence-based and equitable decisions about climate intervention, it must accelerate SRM (solar radiation modification) evaluation in the world's most climate vulnerable regions. Access to high-quality and relevant climate data is a prerequisite for the evaluation of SRM and its impacts in the Global South. Data provision is currently underwritten by the goodwill and volunteerism of experts in the Global North, but this approach is reaching its limits. The proposed project would fill this gap by initially performing global statistical downscaling on relevant climate data sets and then creating an accessible data repository housed at the University of Cape Town (UCT). The repository of downscaled data would constitute a public good that would enable much more accessible SRM analysis across the Global South.

The proposed project would then demonstrate the potential of the repository and the downscaled data. It would convene a consortium of SRM experts from Asia, Africa, the Americas and Europe to conduct a global modelling pilot study on key global and regional climate impacts, with particular attention to potential regional tipping elements. Having single, authoritative, global studies on the impacts of SRM on key processes and sectors would be invaluable for developing the necessary evidence base to inform proper debate.

This project is proposed by a coalition that is uniquely capable of delivering such an ambitious programme of work. The Degrees Initiative (UK) has singularly transformed the global SRM research environment, and the Degrees Modelling Fund is the largest SRM research programme in the world, supporting 26 SRM research projects in 22 developing countries and emerging economies. Project data provision and downscaling would be managed by leading SRM scientists from the University of Cape Town (South Africa) and Cornell University (USA), and the data repository would be managed at the University of Cape Town, which is already well set up to do this.

2. Aims and objectives of the Project Activities

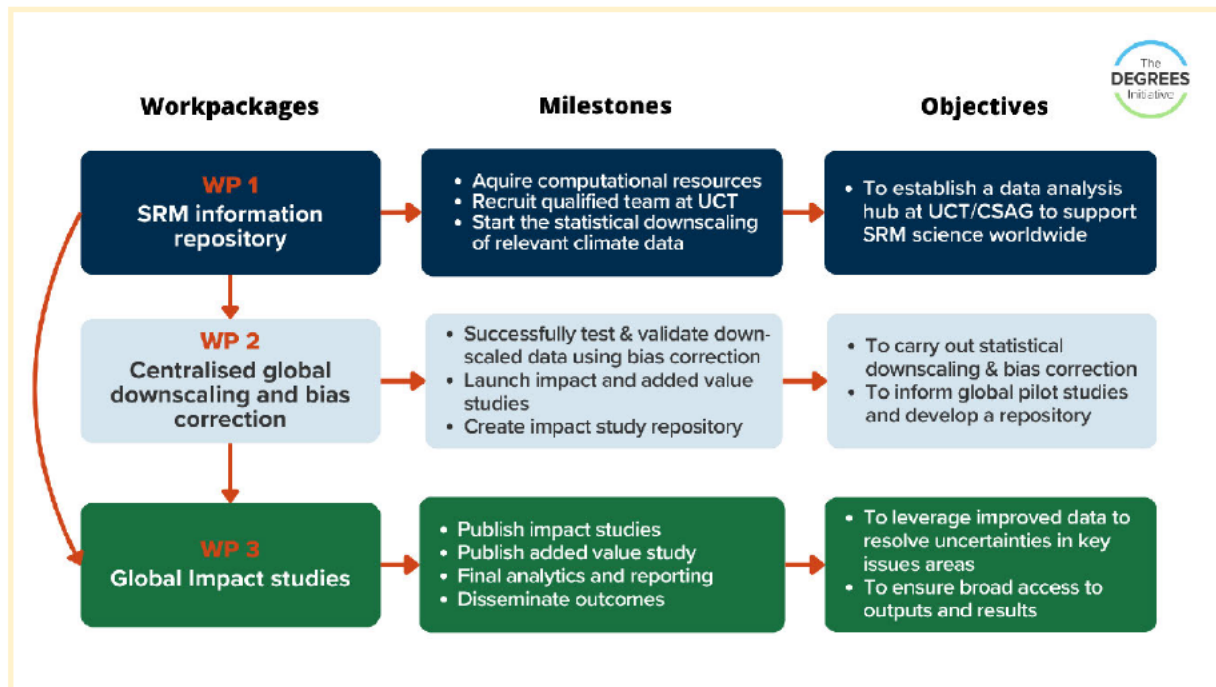
Overall aim:

To advance data accessibility and policy-relevant research on SRM, especially for vulnerable regions in the Global South, by building tools, data infrastructure, and international scientific collaborations necessary to evaluate SRM's potential impacts at regional scales.

Primary objectives:

- Enhance access to downscaled climate data for SRM research, focusing on regions most vulnerable to climate change, via a data analysis hub at UCT/CSAG.
- Establish a publicly accessible SRM data repository at UCT, enabling remote analysis without requiring local downloads.
- Improve global capacity for evaluating SRM impacts through downscaling and bias correction of key climate variables using advanced methodologies.

- Demonstrate the utility of downscaled data by coordinating a global pilot study modelling the regional impacts of SRM on policy-relevant sectors such as health, agriculture, water availability, and/or potential tipping points.
- Produce a structured, peer-reviewed repository of SRM impact studies to inform debate and further scientific research.



3. Project Activities

3.1 Work packages

You propose a project in three related work packages (WPs), all coordinated by the Degrees Initiative with partners from the USA and across the Global South. The first two WPs would conduct statistical downscaling and bias correction of key global SRM modelling datasets and create a repository for SRM research output. Together, these WPs would improve global access to regional-scale data, provide a foundation for modelling SRM impacts and reduce barriers to research, especially in the Global South. Scientists would be empowered to more easily and accurately understand how SRM might impact their regions which would act as an “output multiplier” for more and better SRM research around the world.

The third WP would convene a global consortium of scientists to produce a study modelling the effects of SRM on key policy-relevant climate impacts, such as health, agriculture or water availability, with additional attention to potential tipping elements. These would demonstrate the potential of downscaled data while producing new, policy-relevant science.

WP 1 – SRM information repository

You propose to create a repository of SRM research data and research output housed at the University of Cape Town and managed by a dedicated data technician. This repository will serve as an online, remote data analysis tool that does not require the user to download the data locally, e.g. a Jupyter Hub; a catalogue of all SRM research papers to provide access to a knowledge base often unavailable to researchers at institutions unable to pay article costs; and provide a structured platform to support the

broader SRM community. Establishing the hub would represent a public good that acts as an “output multiplier” for SRM evaluation, enabling better and more accessible SRM research worldwide. One post-doctoral researcher will be employed at UCT over years 2 and 3 to support the creation of a repository of SRM research data, and to carry out the technical work in WP3.

WP 2 - Centralised global downscaling and bias correction

This work package will complete a statistical downscaling and bias correction of global climate data using a range of methodologies that have already been employed for future projections of climate change, and that will make the evaluation of the local impacts of SRM more reliable, robust and accessible in conjunction with WP1. The downscaling and bias correction methodologies may include, depending on feasibility, quality of the products, as well as the team’s capacity, Ensemble Generalised Analog Regression Downscaling (En-GARD), bias-correction spatial disaggregation (BCSD, as used in the ISIMIP and NASA-NEX-GDDP-CMIP6 projects) and Multivariate Adapted Constructed Analogs (MACA), as well as new potential machine-learning driven methods of downscaling. Most SD methods downscale only rainfall and temperature. However, this proposal aims to improve existing downscaled products, and you will explore the possibility to downscale also other variables such as wind, humidity, and incoming solar radiation, which are required by many impact models, including those for agriculture, health, and renewable energy.

It will leverage current climate model outputs, including the new GeoMIP simulations, which are part of CMIP7 and the ARISE and GAUSS ensembles. The team will employ two post-doctoral researchers, one at UCT who will assist with the downscaling and the other at Cornell University to perform the downscaling based on GeoMIP data. Additionally, the project will provide funding for workshops to educate scientists about the use and limitations of downscaled outputs. The repository mentioned in WP1 will be used to share these outputs globally. The constant engagement with the Degrees Initiative’s community will ensure that the downscaled and bias-corrected data can be validated in the regions that matter most, providing a “reality-check” that will allow for a robust, trustworthy product.

WP 3 - Global impacts studies

Degrees will convene a global scientific consortium, with members from Africa, Asia, and South and Central America to conduct a modelling study on important impacts of global warming. Possible initial impact studies would include agriculture and food security, water security, extreme heat and heat exposure, health (climate-borne diseases and heat exposure) and biodiversity with additional attention to potential tipping elements. Such impact studies are reliant on downscaled and bias-corrected climate data, as opposed to the large-scale direct GCM output, to better capture the regionalised and local impacts of changes in temperature and hydrology that are context-dependent (i.e. they might depend on orography in a way that is not captured at the global scale), and therefore will greatly benefit from the output of WP2, which will provide a communal framework for worldwide impact assessments. These studies would represent a significant advancement in global SRM evaluation, offering an unprecedented level of granularity because of the downscaling and bias correction conducted in this project. The same post-doctoral researcher that was mentioned in WP1 will be employed at UCT to conduct the research for years 2 and 3 of the project, as the downscaled data will be produced during year 1. Having demonstrated what is possible and its impact on SRM evaluation, you would then seek further funding from other sources to continue studies on additional impacts. As such, any ARIA funding would leverage additional external funding.

Year 1 - Laying foundations and establishing infrastructure

1. Establish a data analysis hub at UCT/CSAG (Months 1 - 6)
 - a. Procure computational hardware for the Climate Systems Analysis Group at the University of Cape Town.
 - b. Install and configure hardware to create a high-performance hub for data analysis, processing and hosting.
 - c. Recruit a qualified technician to support the CSAG analysis hub.
 - d. Hire one post-doctoral research fellow specialising in statistical downscaling and data accessibility.
 - e. Begin the downscaling and secure transfer of relevant datasets to UCT.
2. Begin statistical downscaling (Months 6 - 12):
 - a. Complete statistical downscaling of relevant data sets.
 - b. Testing and validation of initial results.

Year 2: Data processing and regional output development

1. Complete statistical downscaling (Months 1-4):
 - a. Finalise downscaling of datasets and validate outputs for accuracy and reliability using bias-correction.
2. Enhance data accessibility (Months 1-12):
 - a. Ensure the centre maintains high quality downscaled data for key regions including Southeast Asia, Latin America and the Caribbean, South Asia, and Africa.
 - b. Ensuring the centre's data, including the research repository, is easily accessible.
3. Global pilot study (Months 1-12):
 - a. Design and execute a pilot study focusing on a specific climate variable (e.g., precipitation trends or temperature variability) or sector (e.g. agriculture, health, water availability).
4. Create impact study repository (Months 6-12):
 - a. Collect and curate 50 impact studies to begin building the SRM research repository.
5. Data access and usage analytics (Months 3-12):
 - a. Establish tracking systems to monitor data access and usage.
6. Added value study (Months 6-12):
 - a. Begin the analysis to quantify added value the downscaling brings over the raw GCM-scale data. Work closely with CORDEX in this study as they have similar questions.

Year 3: Expansion, validation, and delivery

4. Maintain high-quality regional datasets (Months 1-12):

- 4.1 Ensure datasets are continually updated, refined, and validated for priority regions.
- 4.2 Collaborate with international partners to address emerging research needs.

5. Complete impact study repository (Months 1-8):

5.1 Expand the repository to contain 100 rigorously reviewed impact studies, accessible via the research hub.

6. Complete global impact studies (Months 8-12):

6.1 Complete analysis on chosen impact studies for write up in an international journal.

7. Complete added value study (Months 6-12):

7.1 Complete analysis of added value for write up in an international journal.

8. Final analytics and reporting (Months 8-12):

8.1 Analyse and report on data usage, identifying trends and areas for improvement.

8.2 Develop a comprehensive project report summarising achievements, lessons learned, and recommendations for future initiatives.

9. Dissemination and stakeholder engagement (Months 6-12):

9.1 Host workshops and webinars to share project findings and outputs.

9.2 Engage with stakeholders to identify future collaborative opportunities and funding sources

9.3 The following Milestones will be used to monitor your delivery of the Project. The costs associated with completing these Milestones are estimated in the [REDACTED]

ID	Milestones	Measure	Date
1	WP1: Cape Town Hub (x1) fully operational and repository of initial datasets loaded.	Hardware installed at UCT, software tested and operational including Jupyter hub, and datasets loaded e.g. geoMIP data.	Commencement Date + 10 months
2	WP2: Workshop run on use and limitations of downscaled outputs.	Workshop educates at least 20 scientists on how to use downscaled outputs. Suggestions and engagement info collated from users and synthesized into action items.	Commencement Date + 12 months
3	WP3: Consortium	A consortium of SRM experts from Asia, Africa, the Americas and Europe formed, agrees on a	Commencement Date + 12 months

	research topic chosen	research topic that will use the outputs of WP1 and WP2 to explore an impact of global warming, and delivers a short scoping report outlining rationale for topic selection.	
4	WP2: Completion of statistical downscaling for selected global datasets.	*insert measure here* Final validation and bias-correction of datasets completed. Initial draft of paper outlining results, including comparison across different downscaling methods, differences between large scale and downscaled data and outcomes of bias corrections.	Commencement Date + 14 months
5	WP1: Impact study of repository completed	Monitoring report on repository usage complete on e.g. number of users, terabytes added, hours spent on system, CPU hours run, where users are located and whether they are a continuing or new entrant to the field. The aim is to have between 4 and 12 user teams in year 2. Feedback on the system will be collected in a Degrees meeting.	Commencement Date + 16 months
6	WP3: Commencement of pilot studies	Four separate two year agreements signed between Degrees and institutions of consortium members to work on the research topic chosen in milestone 3.	Commencement Date +16 months
7	WP2: Validation that key regions are using the repository.	At least four key Global South regions (Southeast Asia, Latin America, South Asia, Africa) datasets are available and are being used by researchers.	Commencement Date + 24 months
8	WP2: Value of downscaled data shown.	Submission of an “added-value” analysis publication to an international, indexed, and peer-reviewed journal demonstrating improvements of downscaled data over raw GCM data.	Commencement Date + 36 months

9	WP3: Results from studies using repository are published.	At least four scientific papers accepted in international, indexed, and peer-reviewed journals and a synthesis report published. <i>Data related to published papers uploaded to open-access ARIA repository.</i>	Commencement Date + 36 months
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In addition to the above Milestones, the following project plan will be used to track progress throughout the project and may be updated from time to time: [REDACTED]

10. **Project Reporting requirements**

You will complete, submit and attend the following reporting/meeting requirements at the frequency set out below:

Frequency	Requirement
Planning	<ul style="list-style-type: none"> • Roles and responsibilities • External communications • Vision • Project details • Code and data management • Project plan + project management
Quarterly	<p>Reporting:</p> <ul style="list-style-type: none"> • Technical status - Red/Amber/Green • Delivery status - Red/Amber/Green • The latest progress against milestone(s) from last quarter • Key Learning, discoveries and decisions • Stories to highlight • Priorities for the next quarter • Challenges • Changes to team and new collaborations • Invoicing and cost reporting <p>Optional:</p> <ul style="list-style-type: none"> • technical evidence saved to drive e.g. report or presentation as requested by PD • review meeting slide deck saved to drive as requested by PD
Annual	<ul style="list-style-type: none"> • ARIA impact metrics • Attendance at annual ARIA event

Ad hoc	<ul style="list-style-type: none"> As required, Programme Director/ Programme Team may request additional information and evidence Workshops - potential to be invited to ARIA workshops
Project closure	<ul style="list-style-type: none"> Project closure report

11. **Payment**

11.1 Subject to your compliance with the terms of this Grant Agreement, ARIA will make Grant payments quarterly in arrears.

For quarterly payments, the cadence of payments will align with ARIAs financial year beginning 1st April e.g Quarter 1 Grant Claims will be for the period of 1st April to 30 June, Quarter 2 Grant Claims will be for the period of 1st July to 30 Sept and so on.

11.2 Before paying any Grant Claim, ARIA must be satisfied that the Project Activities have been carried out during the Funding Period (or that part of the Funding Period to which the claim for Grant relates).

11.3 Grant Claims must be submitted to ARIA by the 15th Working Day of the month following the end of the relevant period.

11.4 Payment of the Grant Claim will be made within 30 days after ARIA approves your Grant Claim.

12. **Principal investigator/key researchers**

12.1 For the purposes of clause 22.7, the following principle investigators or key researchers have been identified:

Name	Role	Organisation
Andy Parker	Principal Investigator	The Degrees Initiative
Prof. Babatunde Abiodun	WP2 lead	University of Cape Town
Dr Christopher Lennard	WP1 lead	University of Cape Town
Dr Daniele Visoni	Cornell lead	Cornell University

13. **Sub-Contractors**

13.1 For the purposes of clause 19, the following Sub-Contractors have been agreed:

Name	Description of activity	Location
University of Cape Town, Climate Systems Analysis Group	This is the location for the setup, installation and future management of the hardware in work package one, with the creation of an accessible data repository that will be housed at the University of Cape Town (UCT)	South Africa
University of Cape Town, Environmental & Geographical Science department	Work package two, global statistical downscaling on relevant climate data sets will be performed by this group at University of Cape Town (UCT)	South Africa
Cornell University	Project data provision and downscaling at UCT would be supported by leading SRM scientists from Cornell University (USA)	USA
TBC scientists	Per work package 3 – a consortium of scientists will be working on the global impact study	Global North countries (including UK) & Global South countries (non-UK)

PART 2: APPLICATION FORM

Application titled 'Global to Local Impacts of SRM Project (GLISP)' submitted 9 December 2024.

SCHEDULE 3: Data Protection

1. DEFINITIONS

The following definitions apply in this Schedule.

Controller, Processor, Data Subject, Personal Data, Personal Data Breach and Processing: have the meanings given to them in the Data Protection Legislation.

Data Protection Legislation all applicable data protection and privacy legislation in force from time to time in the UK including the UK GDPR; the Data Protection Act 2018 (DPA 2018) (and regulations made thereunder) and the Privacy and Electronic Communications Regulations 2003 (SI 2003/2426) as amended and all other legislation and regulatory requirements in force from time to time which apply to a party relating to the use of Personal Data (including, without limitation, the privacy of electronic communications); and the guidance and codes of practice issued by the Information Commissioner or other relevant regulatory authority and applicable to a party.

Domestic Law: the law of the United Kingdom or a part of the United Kingdom.

UK GDPR: has the meaning given to it in section 3(10) (as supplemented by section 205(4)) of the Data Protection Act 2018.

2. GENERAL OBLIGATION

- 2.1. Both parties will comply with all applicable requirements of the Data Protection Legislation. This paragraph 2.1 is in addition to, and does not relieve, remove or replace, a party's obligations or rights under the Data Protection Legislation.

3. DATA PROCESSING

- 3.1. The parties acknowledge that for the purposes of the Data Protection Legislation, ARIA is the Controller and you are the Processor when performing its obligations under this Agreement (the scope, nature and purpose of processing by the Provider, the duration of the processing and the types of Personal Data and categories of Data Subject are set out in paragraph 3.7, as updated from time to time).
- 3.2. Without prejudice to the generality of paragraph 2.1, ARIA will ensure that it has all necessary appropriate consents and notices in place to enable lawful transfer of the Personal Data to you [and/or lawful collection of the Personal Data by [the Provider] on behalf of ARIA] for the duration and purposes of Agreement.
- 3.3. Without prejudice to the generality of paragraph 2.1, you shall, in relation to any Personal Data processed in connection with the performance by the Provider of its obligations under Agreement:
 - 3.3.1. process that Personal Data only on the documented written instructions of ARIA unless you are required by Domestic Law to otherwise process that Personal Data. Where you are relying on Domestic Law as the basis for processing Personal Data, you shall promptly notify ARIA of this before performing the processing required by the Domestic Law unless the Domestic Law prohibits you from so notifying ARIA;
 - 3.3.2. ensure that it has in place appropriate technical and organisational measures, reviewed and approved by ARIA, to protect against unauthorised or unlawful processing of

Personal Data and against accidental loss or destruction of, or damage to, Personal Data, appropriate to the harm that might result from the unauthorised or unlawful processing or accidental loss, destruction or damage and the nature of the data to be protected, having regard to the state of technological development and the cost of implementing any measures (those measures may include, where appropriate, pseudonymising and encrypting Personal Data, ensuring confidentiality, integrity, availability and resilience of its 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 technical and organisational measures adopted by it);

- 3.3.3. ensure that all personnel who have access to and/or process Personal Data are obliged to keep the Personal Data confidential; and
- 3.3.4. not transfer any Personal Data outside of the UK unless the prior written consent of ARIA has been obtained and the following conditions are fulfilled:
 - 3.3.4.1. ARIA or you have provided appropriate safeguards in relation to the transfer;
 - 3.3.4.2. the Data Subject has enforceable rights and effective legal remedies;
 - 3.3.4.3. you comply with your obligations under the Data Protection Legislation by providing an adequate level of protection to any Personal Data that is transferred; and
 - 3.3.4.4. you comply with reasonable instructions notified to you in advance by ARIA with respect to the processing of the Personal Data;
- 3.3.5. assist ARIA, at ARIA's cost, in responding to any request from a Data Subject and in ensuring compliance with its obligations under the Data Protection Legislation with respect to security, breach notifications, impact assessments and consultations with supervisory authorities or regulators;
- 3.3.6. notify ARIA without undue delay on, and in event within 24 hours of, becoming aware of a Personal Data Breach;
- 3.3.7. at the written direction of ARIA, delete or return Personal Data and copies thereof to ARIA on termination of Agreement unless required by Domestic Law to store the Personal Data; and
- 3.3.8. maintain complete and accurate records and information to demonstrate its compliance with this Schedule and allow for audits by ARIA or ARIA's designated auditor and immediately inform ARIA if, in the opinion you, an instruction infringes the Data Protection Legislation.

- 3.4. [ARIA does not consent to you appointing any sub-Processor of Personal Data under this Schedule.] OR [ARIA consents to your use of sub-Processors engaged in the processing of Personal Data by way of general authorisation in respect of all sub-Processors as at the date of this Schedule. You shall make a list available to ARIA upon request. You shall give ARIA not less than 15 days' prior written notice of a change in the list of sub-Processors to give ARIA an

opportunity to object to such change. ARIA must notify you in the event that it does not agree to a proposed change within 15 days of receiving a notification from you , specifying its grounds for such objection (acting reasonably). If you receive such an objection, then you may (at its option):

3.4.1. cancel its plans to change the affected sub-Processor;

3.4.2. offer an alternative which is acceptable to ARIA; or

3.4.3. take corrective steps to remove the objection identified by ARIA to ARIA's reasonable satisfaction, after which you may proceed with the appointment of the relevant sub-Processor.

3.5. If none of the above options resolve the objection, then without liability for either party, either party may terminate Agreement by providing written notice of termination with immediate effect where such notice of termination is served within 30] days of you informing ARIA of the proposed change.

3.6. You confirm that it has entered or (as the case may be) will enter with its sub-Processors into written agreements incorporating terms which are substantially similar to those set out in this Schedule and which you confirm reflects and will continue to reflect the requirements of the Data Protection Legislation. As between you and ARIA, you shall remain fully liable for all acts or omissions of any sub-Processor appointed by it pursuant to this paragraph 3.4 to 3.6.]

3.7. Scope, Nature, Purpose of Processing, Types of Personal Data and Categories of Data Subjects.

Scope and purpose of Processing:	Provision of the Project Activities by you under this Agreement.
Nature of Processing:	<p>[Here you should describe what the Processor will be doing with the Personal Data, for example collecting it, storing it, retrieving it, consulting it, disseminating it or destroying it, etc.</p> <p>Note the definition of processing in the UK GDPR: "any operation or set of operations which is performed on personal data or on sets of personal data, whether or not by automated means, 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"]</p>
Duration of Processing:	Duration of this Agreement (and any post termination processing that is permitted / required).

Types of Personal Data:	<p>[Describe here the types of data relating to the individuals concerned, e.g. names, addresses, email addresses, financial details, date of birth, place of birth, photographs, nationality, gender, signature, health records, work appraisal records, disciplinary processes, references, job applications, CVs, notes of interviews, etc.</p> <p>If so-called “special categories” of personal data (currently known as sensitive data) are being processed describe them here. Note the definition of special categories of personal data in the UK GDPR: “data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data for the purpose of uniquely identifying a natural person, data concerning health or data concerning a natural person’s sex life or sexual orientation”]</p>
Categories of Data Subjects:	<p>[Describe here the individuals whose data will be processed, by reference to their relationship with the company and its business, e.g. employees, directors, clients, prospects, suppliers, sub-contractors, consultants, job applicants, advisors, key opinion leaders, etc.]</p>

4. INDEMNIFICATION

- 4.1. You shall indemnify and keep ARIA indemnified against all losses, claims, damages, liabilities, fines, interest, penalties, costs, charges, sanctions, expenses, compensation paid to Data Subjects (including compensation to protect goodwill and ex gratia payments), demands and legal and other professional costs (calculated on a full indemnity basis and in each case whether or not arising from any investigation by, or imposed by, a supervisory authority) arising out of or in connection with any failure by you or your employees, subcontractors or agents to comply with any of its obligations under this Schedule or the Data Protection Legislation.
- 4.2. Any limitation of liability set out in this Agreement will not apply to this Schedule’s indemnity or reimbursement obligations.

Annex A - Future Proofing our Climate and Weather Intellectual Property Pledge

1. Submission of Pledged Patents and Experimental Data
 - 1.1 The Pledgor undertakes to submit relevant details of all Pledged Patents to the operator of the Pledge Repository in accordance with the Submission Guidelines.
 - 1.2 The Pledgor undertakes to:
 - (a) submit (or provide a link to a publicly available digital copy of) all Experimental Data to the operator of the Pledge Repository in accordance with the Submission Guidelines; and
 - (b) publish such Experimental Data in accordance with the Submission Guidelines.
2. Experimental Data Licence
 - 2.1 Subject to Clause 6.1, the Pledgor hereby grants a royalty-free, non-exclusive licence under the Experimental Data to any party that wishes to accept it ("Experimental Data Licensee") solely for the purpose of carrying out research in the Field.
 - 2.2 The licence granted under Clause 2.1:
 - (a) is non-transferable and non-sublicensable;
 - (b) permits research activities but does not permit development, manufacture, sale or other exploitation of products or services under the Experimental Data.
 - 2.3 The Experimental Data Licensee may conduct relevant research activities itself or in collaboration with a third party, provided that the Experimental Data Licensee must ensure that such third party agrees to comply with the terms of Clause 2.4 as if such third party were the Experimental Data Licensee.
 - 2.4 The Experimental Data Licensee must:
 - (a) at all times when using the Experimental Data comply with all Laws; and
 - (b) to the extent that any data relating to the Field is generated by or on behalf of the Experimental Data Licensee in the course of carrying out research activities based on or using the Experimental Data or the Pledged Patents, make such data available on the terms of this Pledge (and such data shall be deemed to be Experimental Data pursuant to this Pledge).
3. Research Licence
 - 3.1 Subject to Clause 6.1, the Pledgor grants a royalty-free, non-exclusive licence under the Pledged Patents to any party that wishes to accept it ("Research Licensee") solely for the purpose of carrying out research in the Field.
 - 3.2 The licence granted under Clause 3.1:
 - (a) is non-transferable and non-sublicensable; and
 - (b) permits research activities but does not permit development, manufacture, sale or other exploitation of products or services under the Pledged Patents.
 - 3.3 Subject to Clause 6.1, the licence granted in accordance with Clause 3.1 shall subsist until the expiry of the final Pledged Patent.

- 3.4 The Research Licensee may conduct relevant research activities itself or in collaboration with a third party, provided that the Research Licensee must ensure that such third party agrees to comply with the terms of Clause 3.5 as if such third party were the Research Licensee.
- 3.5 The Research Licensee must:
- (a) at all times when using the Pledged Patents comply with all Laws; and
 - (b) to the extent that any patents relating to the Field are filed by or on behalf of the Research Licensee covering data generated in the course of carrying out research activities based on or using the Pledged Patents or Experimental Data, make such patents available on the terms of this Pledge (and such patents shall be deemed to be Pledged Patents pursuant to this Pledge).
4. Commercial Licence
- 4.1 The Pledgor undertakes to grant a non-exclusive licence on reasonable terms under the Pledged Patents and/or Experimental Data to any Signatory that requests it ("Commercial Licensee") for the purpose of carrying out commercial activities (including development, manufacture, sale or other exploitation of products or services) in the Field.
- 4.2 The Pledgor must grant the licence set out Clause 4.1 in good faith and in a timely fashion following such a licence being requested by the Commercial Licensee.
- 4.3 The Commercial Licensee must at all times when using the Pledged Patents and/or Experimental Data comply with all Laws.
5. Pledgor Know-How
- At the request of a Licensee, the Pledgor undertakes to negotiate in good faith with any Licensee regarding a non-exclusive licence in the Field under any Know-how owned by such Pledgor that is necessary for a Licensee to use the technology covered by the Pledgor's Pledged Patents. Such licence may be for research or commercial purposes as agreed between the Pledgor and Licensee.
6. Termination
- 6.1 The Pledgor may terminate any licence it grants to an Experimental Data Licensee and/or Research Licensee under this Pledge in the event that such Licensee:
- (a) materially breaches the terms of such licence or this Pledge; or
 - (b) breaches any Laws in its use of the Experimental Data or Pledged Patents (as applicable).
7. Transfers of Pledged Patents and/or Experimental Data
- The Pledgor undertakes to make any future assignment of the Pledged Patents and/or Experimental Data to any other party (the "Recipient") conditional on the Recipient (and any successor in title) agreeing to be bound by the terms of this Pledge.
8. No Warranty
- The Pledgor provides the Pledged Patents and the Experimental Data on an "as is" basis. The Pledgor makes no express or implied warranty or representation concerning the Pledged Patents or Experimental Data including but not limited to non-infringement or to the accuracy or completeness of the Pledged Patents or Experimental Data.

9. Compliance with Laws

For the avoidance of doubt, nothing in this Pledge operates to require a Pledgor, Licensee or Signatory to do any acts or grant any rights that do not comply with Laws.

10. Further Publication or Licensing

For the avoidance of doubt, nothing in this Pledge operates to restrain a Pledgor from publishing or licensing any Experimental Data or Pledged Patents more widely or on more permissive terms than those described herein.

11. Governing law and jurisdiction

This Pledge (including any non-contractual disputes or claims arising in connection with this Pledge) will be governed by and construed in accordance with the laws of England and Wales and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

Part 1 of Annex A: Definitions

1. In this Pledge, unless the context otherwise requires, the following definitions shall apply:

Experimental Data	means data generated by or on behalf of the Pledgor relating to the Field and identified by the Pledgor for inclusion in the Pledge pursuant to Clause 1.2;
Field	means approaches for intentionally altering the Earth system through solar radiation modification, modification of ocean circulations, modification of cloud properties, surface engineering works, or weather modification;
Know-how	means the information, methods, formulae, processes and/or applications which may or may not be documented and which enable the use of the technology covered by the Pledged Patents;
Law(s)	means any applicable law, statute, bye-law, regulation, order, regulatory policy, guidance or industry code having the force of law, rule of court, delegated or subordinate legislation in force from time to time;
Licensee	means any Commercial Licensee, Research Licensee or Experimental Data Licensee;
Pledge	means the commitments in relation to patents, know-how and data set out in this pledge document;
Pledge Repository	[TBC]
Pledged Patents	means patents or patent applications owned by the Pledgor relating to the Field and identified by the Pledgor for inclusion in the Pledge pursuant to Clause 1.1;
Signatory	means any party who has agreed to be bound by the terms of this Pledge; and
Submission Guidelines	means the guidelines governing the submission of Experimental Data and details of the Pledged Patents to the Pledge Repository, as amended from time to time.