

Opportunity seeds: Scoping Our Planet

Call for proposals

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v1.0

Table of Contents

Summary	3
Scope	4
Application	5
Criteria	6
Timeline	7
Guidance	8
Part 1: Core application	8
Part 2: Timeline, budget and administrative questions	10
How to apply	12

SUMMARY

Intro to opportunity seeds

Breakthroughs require finding people who think differently about what's possible – and empowering them to follow their vision.

To support scientific and technological breakthroughs, outside of programmes, ARIA Programme Directors can award opportunity seeds to support ambitious research aligned to the opportunity spaces they've identified. To understand how opportunity seeds work within our model, see [how we're working](#).

Scoping Our Planet funding call

The opportunity space, '[Scoping Our Planet](#)', led by Programme Directors [Gemma Bale + Sarah Bohndiek](#), asks "how we can fill the gaps in Earth system measurement to equip society to respond confidently to the climate crisis?" We're looking to fund high potential proposals with up to £500k each¹. We initially expect to fund up to 10 opportunity seeds in this space.

We're looking for bold ideas that could challenge assumptions, open up new research paths, or provide steps towards new capabilities. If you have an important idea you're obsessed with, but you don't currently have the resources or support to take it forward, we'd like to hear from you.

Ideas could come from anywhere, so we welcome applications from individuals and teams who are early in their career or who have atypical backgrounds. We care more about your idea and your intrinsic motivation than we do about your CV.

¹ inclusive of VAT (where applicable) and all other costs such as overhead.

SCOPE

Beyond this scope and our [evaluation criteria](#), we don't have preconceptions about what ideas you might send our way. You don't need to contort your project to fit our goals: we want to hear what you really want to do.

In scope:

- + Ideas that sit within the '**Scoping Our Planet**' opportunity space. By this, we mean your proposal should show how your idea **either** aligns with **or** challenges the assumptions of the Summary, Beliefs, or Observations in the [opportunity space document](#).
- + Ideas that could change the conversation about what is possible or valuable.
- + Ideas that range from early stage curiosity-driven research through to pre-commercial science and technology.

Out of scope:

- + Ideas that target Gemma + Sarah's goal of **forecasting climate tipping points by uniting measurements and models to create an early warning system**, as described in their [programme thesis](#). We expect to release a programme funding call in the coming months.
- + Ideas that are undifferentiated or that are likely to happen without ARIA support.
- + Commercial or close-to-commercial stage products.

Budget and length of projects: We provide funding from between £10k and £500k, inclusive of VAT (where applicable) and all associated costs (both direct and indirect). There is no minimum length for a proposed project; the maximum length is three years.

Who can apply: We welcome applications from across the research and development (R&D) ecosystem, including individuals (including those not affiliated with an organisation), universities (including proposals from students, postdocs and staff), research institutions, small, medium and large companies, charities and public sector research organisations.

If you are an overseas applicant you should note that our primary focus will be on funding those who are based in the UK or those willing to conduct all or part of the project from the UK. However, funding will be available to applicants outside the UK if we believe the proposed project can significantly benefit the UK.

APPLICATION

We've designed a short and straightforward application. We hope you can spend no more than two-three hours writing it, though you may wish to spend more time thinking through your idea before applying.

Part 1: Core application

This is the main part of the application, which consists of five questions about you and your idea. We'll base our initial shortlist and selection on this part, so try to make it clear why your idea is important.

Your proposal can be **up to three pages**. Optionally, you may include diagrams or graphics as part of your proposal.

The questions are (*click on the link for guidance on answering each question*):

1. [What do you want to do?](#)
2. [Why is it of scientific or technological importance?](#)
3. [Why hasn't it been done yet?](#)
4. [How do you plan to make it happen?](#)
5. [Why are you the right person or team to work on it?](#)

Part 2: Timeline, budget and administrative questions

Here you can provide a rough timeline and budget. If you're not sure, you can put a ballpark estimate and we can work out details later in the process. We also need you to answer a few more questions, such as which country you plan to operate from. These can be found under [additional questions](#).

CRITERIA

Once you have submitted your application, it will pass through an initial review to ensure it is within the opportunity space identified above. At this stage we will carry out some checks to verify your identity and review any national security risks.

If a submission is not considered to be within the opportunity space or is outside of the scope, it will be rejected prior to a full review, and you will be notified accordingly.

We will evaluate the proposal against the criteria outlined below, rather than scoring each answer separately. We expect proposals to spike against our criteria, and to have different strengths and weaknesses. Final selection will be based on an assessment of the proposal as a whole.

In evaluating your proposal, we'll consider the following criteria:

- a) **Importance and vision of the proposal.** We're looking for ambitious and/or consensus-shifting ideas that have the potential to change the conversation about what's possible or valuable. So we want to understand: if your idea worked out (and we know it might not), would you learn or demonstrate something important? Might it provide a step towards unlocking an important scientific or technical capability? If initial results are promising, would we be compelled to double down on the bet with additional funding or support?
- b) **Our confidence that the individual or team can deliver on the proposal.** This doesn't mean your CV or credentials. Instead, we'll be looking for whether you can demonstrate deep problem knowledge, a well-considered plan, and intrinsic motivation to work on the idea.
- c) **Relevance to ARIA.** We're looking to support ideas that would be unlikely to happen without us; for example, because they are particularly speculative or are underserved by other funders. We also want to enrich the opportunity space, so we will consider the proposal's potential to diversify skill sets and backgrounds that can contribute to the space.

As part of our evaluation, we will also consider:

- + Whether the proposed plan or experimental design is likely to deliver on the goals of the proposal.

- + The reasonableness and realism of the proposed budget and timeline, to the extent appropriate.
- + If you're not currently operating in the UK we'll also assess the extent to which the proposed work will benefit the UK.

For more information on our opportunity seed review and selection process, see [here](#).

TIMELINE

This call for opportunity seed proposals will initially be open for four weeks, and may be extended to add additional rounds.

As this is our first set of opportunity seed calls, we may update timelines based on the volume of responses we receive or other learnings.

Applications open	Clarifying questions deadline ²	Application deadline	Shortlisting ³	Final award decision ⁴
23 May 2024	16 June 2024	18 June 2024 (12:00 BST)	3 July - 12 July 2024	17 July 2024

² Clarifying questions received after this date will not be reviewed.

³ Shortlisted / unsuccessful applicants notified. Shortlisted applicants invited to meet with Programme Director.

⁴ Successful / unsuccessful applicants notified.

GUIDANCE

Part 1: Core application

How to format your proposal

- Content layout: *A short title, followed by each application question and your answer*
- Page count: *No longer than 3 pages (3 sides) of A4, including diagrams, excluding references*
- Font: *Arial, black, min 11pt*
- Margins: *At least 0.5 inches on all sides*
- File type: *PDF*

Guidance on answering the questions

- Where possible, be concrete and provide justifications for any claims you make.
- Write your application with simple and clear language that would be understandable to an expert from an adjacent field.
- Remember to review the evaluation criteria shared here.above.

In addition, we've provided a few prompts below that might help spark your answers.

Application questions	Guidance
What is the title of your proposal?	+ <i>Keep your title short, ideally less than one line.</i>
What do you want to do?	+ <i>What's the hunch or big idea you can't get off your mind? Is there a problem space you want to explore? A hypothesis you want to test? A new method, tool, or technology you want to create?</i> + <i>How does your proposal align with or challenge the assumptions of the Scoping Our Planet opportunity space?</i> + <i>What will be the output of your effort?</i>
Why is it of scientific or technological importance?	+ <i>If it works out, how would it disrupt the current frontier of knowledge or supersede the state-of-the-art?</i> + <i>What capabilities or future work could it unlock?</i> + <i>Why do you want to spend your time on this?</i>

<p>Why hasn't it been done yet?</p>	<ul style="list-style-type: none"> + <i>Have recent developments only now made it possible? Has the research community overlooked it? Perhaps no one has put the pieces together like this before?</i> + <i>How is your approach different or unusual compared to what's being funded or developed elsewhere?</i>
<p>How do you plan to make it happen?</p>	<ul style="list-style-type: none"> + <i>Where will you start and what steps will you take?</i> + <i>What are the technical challenges?</i> + <i>What does success look like to you? If there are ways to measure it, do you have early thoughts on how you'll do that?</i>
<p>Why are you the right person (or team) to work on it?</p>	<ul style="list-style-type: none"> + <i>Where does your insight come from?</i> + <i>Do you have any examples that showcase your motivation, niche expertise, or ability to commit?</i> + <i>If you're looking to extend your team, what key expertise should the next member bring?</i>
<p>[Optional] If you would like, you can include diagrams or graphics as part of your application.</p>	<ul style="list-style-type: none"> + <i>Consider including one or more visual aids that help us understand your innovation. Examples could include: a diagram, schema, graph, graphical abstract, etc.</i>

Please note: Supporting data, preliminary data, journal articles, blogs, code or other materials are not required, but may be referenced or linked to in the submission if they directly support your application. However, ensure that your proposal stands on its own.

Part 2: Timeline, budget and administrative questions

How to format your answers

You can fill out these questions directly in the application portal, so there's no need to format them in a particular way.

Guidance on answering the questions

Application questions	Guidance
<p>What timeframe do you think you'll need for your proposed work in months?</p> <p><i>There is no minimum length for a proposed project. The maximum length is 36 months.</i></p>	<p><i>We value speed, so if you think you could do the work faster with a greater budget, we'd prefer you to bias your proposal in that direction.</i></p> <p><i>It's ok if you're not sure – you can input a rough estimate or range.</i></p>
<p>How much funding do you need to bring your idea to life?</p> <p><i>Please provide an estimate in GBP (inclusive of VAT where applicable and all other costs) of what you consider a reasonable funding amount for your goals.</i></p> <p><i>The minimum funding amount is £10,000. The maximum amount is £500,000.</i></p>	<p><i>Ask for the amount of funding needed to get your idea somewhere exciting. Don't be afraid to be ambitious.</i></p> <p><i>It's ok if you're not sure – give your best estimate.</i></p>
<p>[Optional] If you would like, you can provide:</p> <ul style="list-style-type: none"> • Alternative budget and timeline scenarios • And/or a breakdown of costs 	<p><i>This is not required. However, we recognise that you might want to provide two different scenarios such as a Proof of Concept vs a more expansive plan.</i></p> <p><i>If so, let us know what the two scenarios would look like, and which one you think makes the most sense.</i></p>
<p>Does your proposal depend on background (pre-existing) IP?</p>	<p><i>If yes, give us an indication of:</i></p> <ul style="list-style-type: none"> + <i>What background IP is required</i> + <i>Whether you currently have rights to that IP</i>

<p>Have you already secured grant funding for a similar project or are you currently in the process of seeking support from other funding sources for the same idea?</p>	<p><i>If yes, tell us more about the funding you already have or are applying for.</i></p>
<p>Are there any other factors or restrictions that might impact your freedom to operate and deliver the idea?</p>	<p><i>These might include, for example: potential conflicts of interest; import/export restrictions; legal and regulatory restrictions that you are aware of.</i></p>
<p>Are you planning to give a portion of the work to external subcontractors?</p>	<p><i>If yes, let us know what work you plan to give to a subcontractor.</i></p> <p><i>Subcontractors are any proposed third parties that you plan to enter into a contract or agreement with for services necessary for the delivery or management of the project.</i></p>
<p>Do you intend to carry out the project as part of an organisation or as an individual?</p>	<p><i>In the application portal, please select the option that best describes your situation and provide details where required.</i></p>
<p>Where are you currently operating from?</p>	<p><i>If you're not currently operating in the UK:</i></p> <p><i>We'd like to know your location and your perspective on how the funded project would benefit the UK either immediately or in the long term.</i></p> <p><i>Benefits may include:</i></p> <ul style="list-style-type: none"> <i>+ Enhancing economic growth in the UK.</i> <i>+ Fostering scientific innovation in the UK.</i> <p><i>(This could include where you are currently operating outside the UK, but you would want to conduct the research in the UK).</i></p> <ul style="list-style-type: none"> <i>+ Enhancing the quality of life in the UK (or both in the UK and internationally).</i>

HOW TO APPLY

Before submitting an application, please read this call for proposals in full and the [FAQs for opportunity seeds](#). We also strongly encourage you to read the [general ARIA funding FAQs](#), where you can find further guidance on how ARIA funds research, including more information on intellectual property, budgeting, and our standard grant and contracting agreements.

If you have any further questions relating to the opportunity seed call for proposals, please email clarifications@aria.org.uk. Any questions or responses containing information relevant to all applicants will be provided to everyone that has started a submission within the application portal and published on our website [here](#).

Please read the portal instructions below and create your account before the application deadline. In case of any technical issues with the portal please contact clarifications@aria.org.uk.

Application [portal instructions](#)

[APPLY HERE](#)