

From: [REDACTED]
Date: Fri, 27 Mar 2026 at 08:56
Subject: Re: Response from ARIA on Exploring Climate Cooling Programme
To: ARIA Hello <hello@aria.org.uk>

I am once again contacting you as I have grave concerns regarding your plans to play god with the sunshine.

I cannot stress enough the importance of full spectrum light for the health of not only humanity but also the whole of nature.

Please confirm why this is being considered in the UK where we do not get enough sun all year round. Many people already suffer Vitamin D deficiencies and your plans could have a detrimental impact on the lives of millions of people. I believe anyone who considers this as a good thing has absolutely zero understanding of how light (photons) affects the human body and its impact on melatonin and nitric oxide production. This is dangerous ground and something I cannot abide to. The sun doesn't belong to a corporation and you have no right to play around with it.

Regards

[REDACTED]
Sent from my iPhone

20 April 2026

Dear [REDACTED],

Environmental Information Regulations 2004 ("EIR") Request

We are writing in response to your recent request for information to the Advanced Research + Invention Agency ("**ARIA**") dated 27 March 2026 in which you asked:

"I am once again contacting you as I have grave concerns regarding your plans to play god with the sunshine.

I cannot stress enough the importance of full spectrum light for the health of not only humanity but also the whole of nature.

Please confirm why this is being considered in the UK where we do not get enough sun all year round. Many people already suffer Vitamin D deficiencies and your plans could have a detrimental impact on the lives of millions of people. I believe anyone who considers this as a good thing has absolutely zero understanding of how light (photons) affects the human body and its impact on melatonin and nitric oxide production. This is dangerous ground and something I cannot abide to. The sun doesn't belong to a corporation and you have no right to play around with it."

Response to EIR request

ARIA's funded experiments are not designed to block or dim the sun, or carry out large-scale climate modification. Our programme focuses strictly on building an independent, transparent evidence base to support the effective governance of emerging climate cooling approaches. This includes foundational research, modelling, and where necessary, carefully controlled, small-scale outdoor experiments to investigate fundamental scientific processes.

While a number of ARIA's funded outdoor experiments will examine if clouds can be made slightly more reflective for short periods (a few hours), these experiments will be strictly confined in size and time, and should have no effect noticeable to the human eye.

No noticeable effect on weather or seasons will occur. Independent environmental impact assessments are performed before and after any outdoor experiment to ensure no lasting environmental impact. All experiments use non-toxic materials, are limited in size, scale, and duration, ensuring effects dissipate within 24 hours or are fully reversible.

Any outdoor experiment will only go ahead once an independent environmental impact assessment has been made, and if the results of this suggest that the experiments will be safe (the impact assessment will also be made publicly available before experiments start). These experiments will only go ahead after a period of meaningful public engagement with local communities, and will all be subject to oversight by the programme's independent Oversight Committee.

For more information about the Exploring Climate Cooling programme, including details of the funded projects, teams, amount of funding and locations, please see our website: [Exploring Climate Cooling](#). For your convenience, we have enclosed a copy of this information at **Annex 1**.

Yours sincerely,

ARIA

You can ask us to review our response. If you want us to carry out a review, please let us know within 40 working days by emailing eir@aria.org.uk.

If you are still dissatisfied after our internal review, you may complain to the Information Commissioner's Office (ICO) for further investigation who can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

Annex 1: Exploring Climate Cooling

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Opportunity space: Future Proofing Our Climate and Weather

Programme: Exploring Climate Cooling



Exploring Climate Cooling

This £56.8m programme aims to build a robust evidence base to explore – with independent oversight – if climate cooling approaches could ever be feasible, scalable, safe, and governable.



To build an evidence base to support the effective governance of emerging climate cooling approaches. We are funding transparent, public-good research — from ethics to real-world experiments — so the world can make better-informed decisions about this field.

Why this programme

Cutting emissions is the only sustainable solution to the climate crisis. However, ever-rising global temperatures are driving a surge of interest in approaches designed to cool the climate on timescales faster than decarbonisation.

This new field is evolving fast, attracting venture capital and giving rise to new private companies. Yet our understanding of the impacts, risks, governability, and even the basic feasibility of these approaches is poor.

We lack the deep technical and societal understanding required to govern this field responsibly: to reduce risk in a way that is ethical, legitimate, and inclusive.

This programme exists to fill that evidence gap. We are funding fundamental research — transparently, and free from any profit motive. We are focused on building the open and objective knowledge base the world needs to make better-informed decisions, which could include deciding not to use these approaches.

How we're doing it

Our international research portfolio is comprehensive, funding everything from computer modelling, to ethical frameworks, and observations of natural analogues of climate cooling approaches (like volcanoes). Where essential questions cannot be answered by models, we also fund a limited number of small-scale, carefully controlled outdoor experiments, with stringent requirements for safety, respectful engagement, and transparency.

The world has a critical window of opportunity to build this evidence base, ensuring that robust safeguards can be developed while this field is still at a nascent stage. We are committed to sharing our results openly for the common good, and to working in partnership with others with the same

[Read the programme](#)**Overview**

Oversight + Governance

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[Read the accessible version of the programme thesis](#)



Explore the funded projects

We're funding 22 research teams uniting specialists across diverse disciplines – from atmospheric physics, chemistry, and climate modelling to chemical engineering, systems analysis, and oceanography, alongside crucial expertise in governance and ethics – reflecting the programme's holistic approach.

[Discover more](#)

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Programme Director Mark Symes provides a status update on our funded projects and the importance of building a scientific evidence base on climate cooling.

[Read more](#)

Meet the programme team

Our Programme Directors are supported by a core team that provides a blend of operational coordination and highly specialised technical expertise.

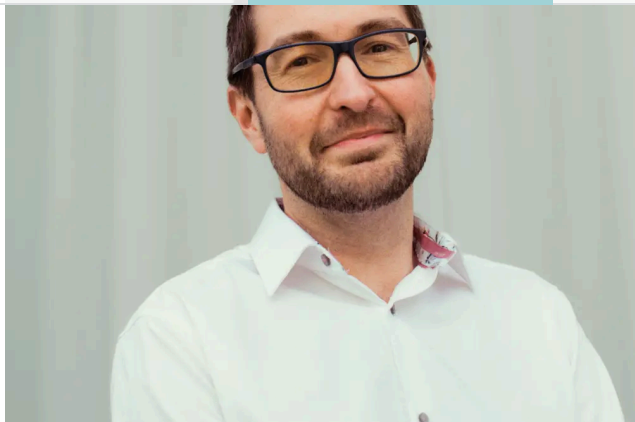


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Mark Symes

Programme Director

Mark is an electrochemist with a 15-year career developing sustainable fuels in the drive towards net zero. He joined ARIA from the University of Glasgow, where he is Professor of Electrochemistry and Electrochemical Technology.



George Horner

Technical Specialist

George has a background in atmospheric physics, holding a PhD from Imperial College London, where he was researching how clouds evolve over time and how they may be impacted by aerosol particles.



Mike Farrar

Programme Specialist

Mike is a condensed matter physicist by training and joined ARIA from his postdoc at Oxford, where he conducted research on novel photovoltaics. Prior to this, he was responsible for the set-up of several high volume, thin-film deposition operations across the globe for the world's largest electronics original equipment manufacturers. Mike supports ARIA as an operating partner from Pace.

Decarbonisation is the only sustainable route out of the climate crisis. However, decarbonisation is not happening quickly enough to protect many parts of the world from the worst effects of global heating.

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proposed interventions – so that, if the world ever faces a decision on climate cooling approaches, it will be made with rigorous scientific evidence.”

Mark Symes

Programme Director

