

---

## ARIA's Exploring Climate Cooling programme

---

3 November 2025 at 21:07

[REDACTED]  
To: Aria EIR <eir@aria.org.uk>

Thank you for your response. Further to this can you please tell me:

1. Where is the benefit in 'cooling the planet' when cloud seeding blocks the sun and causes people to put on their home central heating? Surely, this only benefits the fossil fuel industry?
2. Sea water is known to have high levels of untreated sewage draining into it everyday. Surely seeding with sea water is feeding the same sewage into our atmosphere and ultimately into our lungs?
3. It was inconvenient for the government to keep receiving complaints and FOIs regarding cloud seeding. Does transferring the practice to private enterprise mean that answering important questions truthfully can be avoided?
4. Does this seeding practice stop during Winter months?

Kind regards,

[REDACTED]

[Quoted text hidden]

---

 **2025.10.15 Letter to [REDACTED].pdf**  
58K

[REDACTED]  
[REDACTED]

1 December 2025

Dear [REDACTED],

### **Request for information**

We are writing in response to your recent request for information to the Advanced Research + Invention Agency ("ARIA") dated 3 November 2025.

#### **Request 1**

*"Where is the benefit in 'cooling the planet' when cloud seeding blocks the sun and causes people to put on their home central heating? Surely, this only benefits the fossil fuel industry?"*

ARIA believes that reducing emissions remains the only sustainable solution to the climate crisis. However, the continued rise in global temperatures has intensified interest in strategies that could cool the climate more rapidly than decarbonisation alone. There is a crucial need for objective and trustworthy science in this area to better understand these proposed approaches. The Exploring Climate Cooling programme intends to answer fundamental scientific questions on the feasibility and risks of cooling approaches. Computer modelling and indoor testing are essential first steps to establish the basic science of earth cooling approaches. However, these methods are simplifications and cannot fully answer some important questions. To better understand potential impacts and effects in real-world conditions, and to improve models, controlled, small-scale outdoor experiments may be necessary. We only consider small-scale outdoor experiments where there is a crucial need for real-world data to answer key scientific questions and improve our models.

ARIA's funded experiments are not intended to block or dim sunlight, nor are they designed to implement large-scale climate interventions. ARIA's Exploring Climate Cooling programme is strictly focused on foundational scientific research, including modelling and, where appropriate, carefully controlled, small-scale outdoor experiments. These efforts aim to deepen understanding of fundamental atmospheric processes, not to pursue climate modification. ARIA is supporting fundamental research that is conducted transparently and without any profit motive. ARIA's goal is to build an open, accessible knowledge base that enables society to make well-informed decisions.

Further information about the Exploring Climate Cooling programme can be found on [ARIA's website](#). In particular, we draw your attention to the [FAQs](#) page, which provides answers to a number of commonly-asked questions about the programme.

## **Request 2**

*"Sea water is known to have high levels of untreated sewage draining into it everyday. Surely seeding with sea water is feeding the same sewage into our atmosphere and ultimately into our lungs?"*

All experiments are designed with safety as the highest priority and an environmental impact assessment will be completed and published before any experiment takes place. None of the experiments will involve the release of toxic substances into the environment. Each experiment is carefully designed so that any effects either dissipate within 24 hours or are fully reversible.

## **Request 3**

*"It was inconvenient for the government to keep receiving complaints and FOIs regarding cloud seeding. Does transferring the practice to private enterprise mean that answering important questions truthfully can be avoided?"*

ARIA is committed to transparency. ARIA has made over 2,000 pages of information concerning the Exploring Climate Cooling programme available to the public. Responses to previous information requests can be found on ARIA's [website](#).

Please note that ARIA is not a private enterprise. It is a non-departmental government body, created by the [Advanced Research and Invention Agency Act 2022](#) and sponsored by the Department for Science, Innovation, and Technology.

## **Request 4**

*"Does this seeding practice stop during Winter months?"*

The first outdoor experiments are anticipated to begin in early 2026, and relate to sea ice thickening in Canada. The teams leading this work have prior experience in the communities in which they work and will operate in full compliance with local regulations. In the UK, outdoor experiments will only proceed following comprehensive community engagement and the completion of all necessary assessments. At this stage, no decisions have been made regarding specific locations for UK-based experiments.

Details of the controlled outdoor experiments, including further information in relation to your above request are available on our [website](#). We refer you to the FAQs entitled "Are

these experiments safe for humans and animals?", "When will the outdoor experiments begin?", "Are you funding activities to block the sun?" and "Why is ARIA funding this programme?".

Yours sincerely,

ARIA