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E-004704/2025

Answer given by Mr Hoekstra
on behalf of the European Commission
(14.1.2026)

The Commission is aware of Stardust Solutions' activities but lacks detailed information on the company's commercial plans.

The Commission is closely monitoring developments related to solar radiation modification (SRM).

The Commission has funded projects to investigate ethical and governance aspects of SRM and related research¹. The Commission requested the Group of the Chief Scientific Advisors to conduct a scientific risk assessment of SRM technologies. The Group delivered its Opinion² on 9 December 2024, reviewing studies on the effect of SRM on e.g. precipitation, temperature, stratospheric ozone, renewable energy, agriculture, hydrological cycle, etc.

The Commission recognises the potential environmental, public health and geopolitical risks associated with SRM, particularly when those technologies are being advanced without a clear international governance structure.

The Commission's position on SRM is set out in the Joint Communication of the Commission and High Representative on the Climate-Security Nexus of 28 June 2023³ which states that 'risks, impacts and unintended consequences that these technologies pose are poorly understood, and necessary rules, procedures and institutions have not been developed' and stresses that the EU, guided by the precautionary principle, 'will support international efforts to assess comprehensively the risks and uncertainties of climate interventions, including solar radiation modification and promote discussions on a potential international framework for its governance, including research related aspects'.

¹ See, in particular, TechEthos (<https://doi.org/10.3030/101006249>), GENIE (<https://doi.org/10.3030/951542>) and Co-CREATE (<https://doi.org/10.3030/101137642>).

² <https://scientificadvice.eu/advice/solar-radiation-modification/>.

³ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52023JC0019>.