



Statement of Principles on the Issue of Geoengineering Research Advocacy

December 1, 2024

Whereas planetary warming is already at or near 1.5 degrees Celsius above pre-industrial levels and scientists warn any warming beyond this amount could bring dangerous and irreversible harm to the planet;

Whereas the stunning impacts of the warming so far already include up to 400,000 deaths per year worldwide, growing food insecurity in some of the world's poorest nations, and the quickening collapse of the Thwaites Glacier in Antarctica that could by itself trigger to as much as ten feet of sea level rise;

Whereas since June 2023, the rate of warming has begun to increase so quickly that our best predictive climate models struggle to explain it, likely pointing to thresholds that have been crossed that are triggering potentially disastrous feedback loops;

Whereas the clean-energy revolution is well underway but is still decades from full implementation, and efforts to capture and sequester carbon directly from the atmosphere are in their infancy;

Whereas Dr. James Hansen, America's most prominent climate scientist — and scores of other leading scientists — now calls for "rigorous, rapid"

investments into geoengineering research, including solar radiation modification through aerosol dispersal in the stratosphere;

Therefore, the Chesapeake Climate Action Network supports meaningful US government funding of research into geoengineering techniques based on the following principles:

- 1) We believe humanity's first response to the climate crisis must continue to be a fair and equitable decarbonization of the global economy with parallel and massive investments in climate adaptation measures, especially for the most vulnerable and marginalized communities of the world. This is CCAN's permanent and top priority as an organization.
- 2) Additionally, we support transparent, government-funded research into carefully considered techniques to reflect sunlight away from the planet and other reasonable attempts to lower the planet's temperature through non-energy means, following the ethical and practical guidelines laid out by the White House Office of Science and Technology on June 30, 2023.
- 3) We support limited and responsible testing of these techniques, also following White House guidelines.
- 4) We do NOT support any regional or global deployment of any of these techniques without consensus support from an international decision-making body that includes the voices of countries and peoples most vulnerable to and least responsible for the climate crisis.

- 5) We believe efforts to create said decision-making body and related consensus process must be initiated immediately and run in parallel to research and testing of geoengineering techniques.
- 6) We also support increased research funding worldwide to better understand the recent accelerated pace of global warming and ways to better understand feedback loops and potential tipping points.
- 7) We do NOT support any geoengineering research or testing conducted by, or for the benefit of, any branch of the United States military or any nation's military anywhere in the world.
- 8) We do NOT support any geoengineering research and testing for commercial application by private industry.