

# European Climate Moonshot Concept Note

CLIMATE  
MOONSHOT  
PORTFOLIO

*Billions to  
save trillions*

**Proposed €7–10 Billion / Five-to-Seven-Year R&D Initiative**

EUROPEAN CLIMATE R&D • 2028–2034

EUROPEAN-LED • OPEN-SOURCE • STAGE-GATED



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## European Climate Moonshot — Concept Note

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**Proposal.** Europe should consider a €7–10 billion European Climate Moonshot anchored in Horizon Europe 2028–34 and coordinated, where appropriate, with the European Competitiveness Fund and Euratom, supporting additional high-risk, high-leverage R&D over five to seven years. The Commission has proposed a €175 billion [Horizon Europe](#) 2028–34 program that includes science-driven “moonshot” projects. The initiative would focus on R&D that could materially reduce climate risk or the cost of low-carbon energy.

**Current status.** The objective now is for European institutions to evaluate the concept and, if warranted, design, govern, and fund the program through open competition. This is not a funding request for any particular organization.

**Portfolio summary.** A set of eight \$1B open-source proposals already exists and is available for download at <https://www.aplantosavetheplanet.org/cmp>. The portfolio covers [SAI](#) and [MCB](#) research, nuclear power site-construction [automation](#), nuclear-powered [industrial processing](#), economic [fusion](#), and global climate [model](#) research. A Common [Framework](#) addresses governance, procurement, open data, review, and gates. The existing portfolio is a strawman for European review—not a package to adopt unchanged. Atmospheric-intervention research would build evidence, not authorize deployment.

### What Europe would do.

- Establish a small European-led steering group to convene leading scientists, engineers, economists, and independent reviewers.
- Red-team the portfolio; add, delete, combine, or re-budget according to evidence and priorities.
- Publish a European Climate Moonshot Roadmap and, if warranted, launch competitive R&D calls.

**Implementation mechanism.** Europe should determine the appropriate structure. Possibilities could include a Horizon Europe scientific moonshot, European Partnership, Joint Undertaking, a Commission-level initiative involving multiple DGs, or another EU mechanism. No large execution team is needed now. The immediate need is a small European-led convening group to organize the independent review and Roadmap process; an eventual program would fund many performers and consortia.

**Why now.** Horizon Europe 2028–34 is being negotiated, and the Commission is consulting on future Joint Undertakings and European Partnerships through 16 October 2026. This is a timely point to introduce the concept.

**Immediate ask.** We seek short discussions with European Commission leadership, DG CLIMA, DG RTD, the Joint Research Centre, Parliament’s research committee, and major European research organizations. Our question: *Is a European Climate Moonshot worth independent evaluation, and what European institution or group should convene the Roadmap process?*